

PRICELIST
& TARIFA



casals
fans of innovation

2020

THE COMPANY

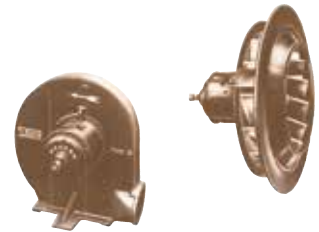
LA EMPRESA

| OUR HISTORY

The history of Casals goes back to the end of the XIX century (1881) when the founder Francesc Casals Fransoy opened a small workshop in the centre of Ripoll (Girona). From the mechanizing of the cast iron pieces and the making of machinery for factories and workshops, this small business developed through the years and became a business dedicated to the manufacturing of spare parts for tools and afterwards to the tooling manufacturing.

In 1924 Casals started manufacturing the first models of industrial fans. At first the series production systems were applied but they developed into the current and modern lines of production. In this way Casals became the leader of the industry. With time, Talleres Casals diversified the production and nowadays Casals Ventilación, one of its divisions, has its own entity and is independent from the rest. Located in Sant Joan de les Abadesses, in a 12.000m² factory, it manufactures over 5.000 references of fans, supplying the national and international market. Besides, there is an additional production plant in Ripoll which is specialized in the manufacture of large industrial impellers and casings. In the last few years the evolution has been very satisfactory and nowadays the export percentage exceeds 60% of the benefits.

Currently, as a fan manufacturer of fans with over 125 years of experience, Casals Ventilación has a wide catalogue available in the market of technical ventilation for building constructions and industrial fans. In this catalogue the wide range of certified fans of 400°C/2h is amongst the most important and noticeable items found. In addition to the professional technical team prepared to resolve the doubts, Casals supplies the most appropriate product to satisfy the needs and projects of our customers.



| OUR REASON FOR BEING

Since the birth of Casals, our reason for being has been the development of our team that works towards the achievement of a common goal: continuous improvement and international growth. In this respect, the training of workers is essential to achieve internal promotion and maintain the illusion of personal growth.

Casals, as the cradle of ventilation in Spain, has always been characterized by the maintenance of quality that endow our products with robustness and durability, as well as respect for the regulations of each country, either at the level of efficiency or specific needs of their legislation. For this reason, the investment dedicated to the R + D + I department, whose team of engineers works for the production of efficient and environmentally friendly products, is indisputable.

All our products are meticulously tested to meet a level of self-demand that aims for excellence.

With its own laboratory that includes test benches and wind tunnel, Casals Ventilación has all the necessary tools to carry out the tests that require the most demanding certifications of the market. The flow tests are carried out in our laboratory according to the ISO 5801:2017 and AMCA 210 standards.

Our organization operates under the quality management system according to ISO 9001. For this reason, Casals philosophy is based on the absolute conviction that the quality required by our products will only be achieved with the total dedication and involvement of the personnel, as well as compliance with established processes.



| NUESTRA HISTORIA

La historia de Casals se remonta a finales del siglo XIX (en 1881) cuando su fundador, Francesc Casals i Fransoy, abre un pequeño taller en el centro de Ripoll (Girona). De la mecanización de piezas de fundición y la construcción de maquinaria para fábricas y talleres, este pequeño negocio pasaría a ser con los años una importante empresa dedicada a la fabricación de componentes de herramientas y luego, de herramientas propiamente. Aquí nace Talleres Casals, situada ya en un nuevo complejo, también en Ripoll.

Es en 1924 cuando Casals empieza a fabricar sus primeros modelos de ventiladores industriales. Comenzó a utilizar unos sistemas de fabricación en serie que posteriormente darían lugar a las actuales y modernas líneas de producción. Fue así como Casals se convirtió en una empresa pionera en el sector.

Con el tiempo, Talleres Casals diversificó su producción hasta el punto que hoy en día, lo que fue una división dedicada a la ventilación, tiene entidad propia y es independiente del resto: Casals Ventilación. Localizada en Sant Joan de les Abadesses, en una planta de 12.000 m² fabrica más de 5.000 referencias de ventiladores, llegando al mercado tanto nacional como internacional. Cuenta también con una planta en Ripoll especializada en la fabricación de turbinas y envolventes para industrial de grandes dimensiones. En los últimos años su evolución ha sido muy satisfactoria y hoy sitúa su nivel de exportación sobre el 60%.

Actualmente, como fabricante de ventiladores con más de 125 años de historia, Casals Ventilación tiene a disposición del mercado un amplio catálogo de ventilación técnica para la edificación y de ventilación industrial. En él destaca una extensa gama de ventiladores certificados 400°C/2h. Todo ello, acompañado de un gran equipo de técnicos preparados para resolver las dudas de los clientes y servir el producto más adecuado a sus necesidades y proyectos.

| NUESTRA RAZÓN DE SER

Desde el nacimiento de Casals, nuestra razón de ser ha sido el desarrollo de nuestro equipo que trabaja para la consecución de un objetivo común: la mejora continua y el crecimiento internacional. En este sentido la formación de los trabajadores y trabajadoras es fundamental para lograr la promoción interna y mantener la ilusión en el crecimiento personal.

Casals, como cuna de la ventilación en España, siempre se ha caracterizado por el mantenimiento de la calidad que dotan de robustez y durabilidad a nuestros productos, así como el respeto a las normativas de cada país ya sea a nivel de eficiencia como necesidades específicas de su legislación. Por ello, es indiscutible la inversión dedicada al departamento de I+D+I, cuyo equipo de ingenieros trabaja para la obtención de productos eficientes y respetuosos con el medio ambiente.

Todos nuestros productos son testados minuciosamente para cumplir con un nivel de auto-exigencia que busca la siempre excelencia.

Con laboratorio propio que incluye bancos de pruebas y túnel de viento, Casals Ventilación dispone de todas las herramientas necesarias para llevar a cabo los ensayos que requieren las certificaciones más exigentes del mercado. Los test de caudal se realizan en nuestro laboratorio siguiendo los estándares ISO 5801:2017 y AMCA 210.

Nuestra organización funciona bajo el sistema de gestión de calidad acorde a la norma ISO 9001. Por este motivo, la filosofía de Casals se basa en la absoluta convicción de que la calidad requerida por nuestros productos únicamente se logrará con la total dedicación e implicación del personal, así como el cumplimiento de los procesos establecidos.



CASALS WEBSITE

WEB CASALS

| www.casals.com

On Casals website you will find many content designed to meet the information needs of our customers, engineers and collaborators.

A modern, interactive website that provides a complete information of the entire catalogue of products Casals and brochures, technical documents, certificates, pictures, videos, access to technical consultation and reserved area for registered users that will allow them to use the product selection software developed by Casals: Fanware.

| www.casals.com

En la web de Casals encontrará multitud de contenidos pensados para satisfacer las necesidades informativas de sus clientes, ingenierías y colaboradores.

Una web moderna e interactiva que ofrece una información muy completa de todo el catálogo de productos Casals, así como folletos, documentos técnicos, certificados, imágenes, vídeos, accesos a consultas técnicas y una zona reservada para usuarios registrados que les permitirá utilizar el nuevo programa de selección de producto Casals: el Fanware.



ONLINE PRODUCT SELECTION SOFTWARE

PROGRAMA DE SELECCIÓN DE PRODUCTO ONLINE

| **FANWARE**

Fanware is the product selection software of Casals where you can freely access directly or through our website:

| **FANWARE**

Fanware, así se llama el programa de selección de producto de Casals al que puede acceder gratuitamente de forma directa o a través de nuestro sitio web:

www.casals.com/fanware



This free application developed by Casals is available from any device (pc, mobile and tablet) with internet, and any operating system. It is available in many languages, it allows searching a product according to a specific flow and pressure, by serie, by type of fan, etc. It is possible making comparatives between different models of fans, download certificates, user manuals and personalized technical reports according to the user settings.

With just one click you can see all technical data of any product of Casals: descriptions, pictures, dimensions diagrams, wiring diagrams, characteristic curves, sound spectrum, accessories and spare parts.

Go to casals.com/fanware to discover all that this software has to offer.

Esta aplicación gratuita desarrollada por Casals se puede usar en cualquier dispositivo móvil (ordenador, móvil o tablet) que disponga de conexión a internet y sea cual sea su sistema operativo. Disponible en múltiples idiomas, permite hacer una búsqueda de producto a partir de un punto de trabajo (caudal-presión), por serie, por tipo de ventilador, etc. Es posible hacer comparativas entre varios modelos de ventilador, extraer certificados, manuales y fichas técnicas personalizadas según las preferencias del usuario. En un solo clic podrá ver todos los datos técnicos de los productos Casals: descripciones, fotografías, esquemas de dimensiones, esquemas de conexiones, curvas características, espectro sonoro, accesorios y recambios.

Acceda a casals.com/fanware para descubrir todo lo que ofrece este programa.



50Hz 60Hz

ErP REGULATIONS FOR NON-RESIDENTIAL AND RESIDENTIAL VENTILATION DIRECTIVA ErP PARA VENTILACIÓN RESIDENCIAL/NO RESIDENCIAL

| Ecodesign directive ErP 2012/27/EU

With the adoption of the Kyoto protocol, the European Union committed to a reduce at least 20% of CO2 emissions by 2020 and increase the use of renewable energies by 20%. The European Union adopted in 2005 the EuP directive (Directive of Products that Use Energy). In 2009 this directive was renamed to ErP (Directive of Energy-Related Products) currently still in force.

In 2012, the 2012/27/EU regulation was published, which modifies the previous ErP regulations. The directive Ecodesing ErP 2012/27/EU and its regulations aim to achieve the objectives set in the Kyoto Protocol.

See the types of products subject to ErP regulations in the following list:

- 327/2011 (EU) g For fans composed of a inlet, impeller, motor and any type of electrical control of the ventilation or fan unit.
- 640/2009 (EU) g IEC Motor regulation.
- 1253/2014 (EU) g Regulation for the residential and non-residential ventilation units.
- 1254/2014 (EU) g B2C energy labeling of residential ventilation units.
- 206/2012 (EU) g For confort fans.

| Directiva Ecodesign ErP 2012/27/EU

Con la adopción del protocolo de Kioto, la unión europea se comprometió a una reducción de al menos el 20% de las emisiones de CO2 para 2020 e incrementar el uso de las energías renovables en un 20%. La Unión Europea adoptó en 2005 la directiva EuP (Directiva de Productos que Utilizan Energía). En 2009 esta norma pasaría a llamarse ErP (Directiva de Productos Relacionados con la Energía) vigente actualmente.

En 2012 se publicó la normativa 2012/27/EU la cual modifica la normativa anterior del ErP. La directiva Ecodesing ErP 2012/27/EU y sus reglamentaciones pretenden conseguir los objetivos marcados en el protocolo de Kioto.

A continuación exponemos los tipos de productos sujetos a la normativa ErP:

- 327/2011 (EU) g Para ventiladores compuestos de una boca de aspiración, turbina, motor y cualquier tipo de control eléctrico de la unidad de ventilación o ventilador.
- 640/2009 (EU) g Regulación del IEC motor.
- 1253/2014 (EU) g Regulación de las unidades de ventilación no residencial y residencial.
- 1254/2014 (EU) g Etiquetado energético B2C de las unidades de ventilación residencial.
- 206/2012 (EU) g Para ventiladores de confort.

| YEAR | FANS Regulation 327/2011 | Different requirements from regulations based on ErP Directive | |
|------|--|---|--|
| | | VENTILATION UNITS Regulation 1253/2014 | MOTORS Regulation 640/2009 |
| AÑO | VENTILADORES Reglamentación 327/2011 | Diversos requisitos basados en la Directiva ErP | |
| | | UNIDADES DE VENTILACIÓN Reglamentación 1253/2014 | MOTORES Reglamentación 640/2009 |
| 2011 | | | >0,75kW efficiency class IE2 >0,75kW clase de eficiencia IE2 |
| 2013 | > 125 W Minimum efficiency according to Tier 1 > 125 W Eficiencia mínima acorde a Nivel 1 | Motorised impellers inside the UVU according to fan regulation Turbinas motorizadas dentro de una UVU* acorde a la reglamentación del ventilador | |
| 2015 | > 125 W Minimum efficiency according to Tier 2 > 125 W Eficiencia mínima acorde a Nivel 2 | Motorised impellers inside the UVU according to fan regulation Turbinas motorizadas dentro de una UVU* acorde a la reglamentación del ventilador | 7,5-375kW IE3 or IE2 + VSD 7,5-375kW IE3 o IE2 + Variador |
| 2016 | | Minimum efficiency requirements for UVU'S* Requisitos mínimos de eficiencia para UVU'S* | |
| 2017 | | | 0,75-375kW IE3** or IE2 + VSD 0,75-375kW IE3** o IE2 + Variador |
| 2018 | | Increased minimum efficiency requirements for UVU'S* Requisitos mínimos de eficiencia para UVU'S* | |

* Needs to be used with VSD0 (Variable Speed Drive).

* UVU: Siglas de "unidad de ventilación unidireccional"

** Casals selection option.

** Opción escogida por Casals.

Directiva ErP- Box RL Plus EEC 2012/27/EU



1253/2014



327/2011



640/2009



The Ecodesign directive 2012/27/EU doesn't establish mandatory requirements for the products themselves, but rather through the implementation of the regulations adopted for each group (Lot) of products that it contemplates. Of the 27 lots in which the ErP divides the different families of products directly related to the fans are three:

LOT 10

Air conditioners and fans for residential - Regulation of application (EU) 206/2012. Domestic air conditioning devices formed by air conditioning equipment, local climate control and comfort fans.

LOT 11

For Electric motors - Regulation (EU) 640/2009. 3rd Phase January 1, 2017 g IE3 or IE2 + Var SFC by Casals (0.75 - 375kW).

LOT 11

Ventilators for non-residential use ventilation - Application Regulation (EU) 327/2011. All fans, with electrical power absorbed between 125 W and 500 kW, marketed and put into service, are subject to the minimum energy efficiency requirements regulated by the European Regulation 327/2011, whether they are axial, centrifugal, tangential or mixed fans. These minimum energy efficiency requirements are required both for individual fans and those that are integrated or incorporated in any other equipment or installation.

LOT 6

- Lot 6 ventilation units. - Application Regulation (EU) 1253/2014 for fans residential and for non-residential use and Regulation (UE) 1254/2014 energy labeling for fans residential use.

January 1, 2018 according to EU 1253/2014:

The minimum thermal efficiency must be 73%. The minimum ventilation efficiency of unidirectional ventilation units (-residential ventilation units) is: $6.2\% \times \ln(P) + 42.0\%$ if $P \leq 30$ kW and 63.1% if $P > 30$ kW.

January 1, 2018 according to EU 1254/2014:

The specific energy consumption, calculated with respect to a temperate climate, should not exceed -20 kWh / (m².a). Maximum LWA of 40 dB. Filter ventilation units must have a visual warning signal to change the filter. Mandatory energy labeling.

The Ecodesign Directive 2012/27/EU for ventilation units doesn't cover the following types of fans subject to other regulations and legislations:

1. Ventilators or ventilation units that operate in potentially explosive atmospheres regulated by the ATEX 2014/34/UE directive.
2. Ventilators or ventilation units that only work in case of emergency, for short-term operation, considering the fire protection requirements established in Directive 89/106/EU.
3. Smoke and heat control systems subjected to UNE-EN 12101-3: 2016.
4. Ventilators or ventilation units that operate when the temperature of the displaced gas exceeds 100°C or the operating ambient temperature of the motor that drives the ventilator, if it is located outside the gas flow, exceeds 65°C.
5. Ventilators or ventilation units that operate when the average annual temperature of the displaced gas or the ambient operating temperature of the motor, if it is located outside the gas flow, is lower than -40°C.
6. Fans that operate with a supply voltage > 1000 VAC or > 1500 VDC.
7. Fans operate in toxic, highly corrosive or flammable environments or in environments with abrasive substances.
8. Ventilators classified as hoods that are subject to Regulation (EU) 66/20. Cooker hoods with a maximum total electrical input power attributable to the fan or fans lower than 280 W.
9. Units that include a heat exchanger or heat pump for energy recovery, or that allow to transfer or extract additional air to the recovery system except the heat transferred with the antifrost.
10. Fans within products equipped with a single electric motor of a power less than or equal to 3kW where the fan is fixed to the same shaft used to drive the main function.
11. Fans in washing machines and washer-dryers with a maximum electrical input power equal to or less than 3kW.
12. For comfort fans, the ERP directive will not be applicable for fans that use non-electric power and air conditioners where the condenser or evaporator side, or both, does not use air to transfer heat.

En este sentido la directiva Ecodesign 2012/27/EU no establece requerimientos obligatorios de los productos por sí mismos, sino a través de la implementación de los reglamentos adoptados de forma particular para cada grupo (Lot) de productos que contempla. De los 27 lotes en los que la ErP divide las distintas familias de productos los directamente relacionados con los ventiladores son tres:

LOT 10

Aire acondicionados y ventiladores para residencial - Reglamento de aplicación (UE) 206/2012. Dispositivos domésticos de climatización formada por los equipos de aire acondicionado, climatización local y ventiladores de confort.

LOT 11

Motores eléctricos - Reglamento de aplicación (UE) 640/2009. 3ª Fase 1 de enero de 2017 g rendimiento IE3 o IE2+Var (0,75 – 375kW).

LOT 11

Ventiladores para ventilación uso no residencial - Reglamento de aplicación (UE) 327/2011. Todos los ventiladores, con potencia eléctrica absorbida comprendida entre 125 W y 500 kW, comercializados y puestos en servicio, están sujetos a los requisitos mínimos de eficiencia energética regulados por el Reglamento Europeo 327/2011 ya sean ventiladores axiales, centrífugos, tangenciales, mixtos. Estos requisitos mínimos de eficiencia energética son exigibles tanto a los ventiladores individuales como a aquellos que se integren o incorporen en cualquier otro equipo o instalación.

LOT 6

Unidades de ventilación. - Reglamento de aplicación (UE) 1253/2014 para ventiladores de uso residencial y no residencial. Reglamento (UE) 1254/2014 para etiquetado energético en ventiladores de uso residencial.

A partir del 1 de enero de 2018 según UE 1253/2014:

La eficiencia térmica mínima será del 73 %. La eficiencia mínima de ventilación de las unidades de ventilación unidireccionales (-unidades de ventilación residencial) es: $6,2\% \times \ln(P) + 42,0\%$ si $P \leq 30$ kW y $63,1\%$ si $P > 30$ kW.

A partir del 1 de enero de 2018 según UE 1254/2014:

El consumo de energía específico, calculado con respecto a un clima templado, no deberá exceder de -20 kWh/(m².a). LWA máximo de 40 dB. Las unidades de ventilación con filtro deberán disponer de una señal visual de aviso de cambio del filtro. Etiquetado energético obligatorio.

La Directiva Ecodesign 2012/27/EU para las unidades de ventilación no contempla los siguientes tipos de ventiladores sujetos a otras regulaciones y legislaciones:

1. Ventiladores o unidades de ventilación que funcionen en atmósferas potencialmente explosivas reguladas por la directiva ATEX 2014/34/UE.
2. Ventiladores o unidades de ventilación que únicamente funcionen en caso de emergencia, para funcionamiento de corta duración, teniendo en cuenta los requisitos de protección contra incendios establecidos en la Directiva 89/106/UE.
3. Sistemas de control de humos y calor sujetos a la UNE-EN 12101-3:2016.
4. Ventiladores o unidades de ventilación que funcionen cuando la temperatura del gas desplazado exceda de 100°C o la temperatura ambiente de funcionamiento del motor que acciona el ventilador, si está situado fuera del flujo de gas, exceda de 65°C.
5. Ventiladores o unidades de ventilación que operen cuando la temperatura media anual del gas desplazado o la temperatura ambiente de funcionamiento del motor, si está situado fuera del flujo del gas, sea inferior a -40°C.
6. Los ventiladores que funcionen con una tensión de alimentación > 1000 VCA o > 1500 VCC.
7. Los ventiladores operen en ambientes tóxicos, altamente corrosivos o inflamables o en ambientes con sustancias abrasivas.
8. Ventiladores clasificados campanas extractoras que están sujetos al Reglamento (UE) 66/20. Las campanas extractoras de cocina con una potencia eléctrica máxima total de entrada atribuible al ventilador o ventiladores inferior a 280 W.
9. Las unidades que incluyan un intercambiador de calor o bomba de calor para la recuperación de energía, o que permitan transferir o extraer aire adicional al del sistema de recuperación excepto el calor transferido con el antifrost.
10. Ventiladores dentro de productos equipados con un único motor eléctrico de una potencia inferior o igual a 3kW en donde el ventilador está fijado al mismo árbol utilizado para accionar la función principal.
11. Ventiladores en lavadoras y lavadoras-secadoras con una potencia eléctrica máxima de entrada igual o inferior a 3kW.
12. Para ventiladores de uso confort la directiva ERP no será aplicable en los ventiladores que usen energía no eléctrica y aires acondicionados donde el lado del condensador o evaporador, o ambos, no use aire para transferir calor.

The Ecodesign Directive 2012/27/UE for fan-mounted motors exempts the following types of ERP motors subject to other regulations and legislations:

1. Motors designed to work totally submerged in a liquid.
2. Motors fully integrated in a product (for example, transmission mechanisms, pumps, fans or compressors) whose energy behavior cannot be tested independently of the product.
3. Motors specifically designed to operate: at altitudes above 1000 meters above the sea level, in places where the ambient air temperature exceeds 40°C, at an operating temperature above 400°C, in places where ambient air temperature is below -15°C for any motor or below 0°C for an motor with an air cooling system, in conditions where the temperature of the coolant water at the inlet of a product is lower than 5°C or higher than 25°C, in potentially explosive atmospheres, as defined in Directive 2014/34/EU.

This increase in efficiency will result in a significant decrease in the cost of energy associated with its use, which will more than compensate, throughout its useful life, the possible initial increase in the purchase cost of the fan.

Directive 2012/27/UE (ErP) developed by the various Regulations (EU) published is mandatory in the 28 countries of the European Union and affects both products that are sold or imported into Europe, or that are integrated in other equipment also exported or imported.

La Directiva Ecodesign 2012/27/EU para los motores montados en ventiladores exime a los siguientes tipos de motores del ERP sujetos a otras regulaciones y legislaciones:

1. Motores diseñados para funcionar totalmente sumergidos en un líquido.
2. Motores totalmente integrados en un producto (por ejemplo, mecanismos de transmisión, bombas, ventiladores o compresores) cuyo comportamiento energético no pueda someterse a ensayo independientemente del producto.
3. Motores diseñados específicamente para funcionar: en altitudes superiores a los 1000 metros por encima del nivel del mar, en lugares donde la temperatura del aire ambiente supere los 40 °C, a una temperatura de funcionamiento superior a 400 °C, en lugares donde la temperatura del aire ambiente sea inferior a - 15 °C para cualquier motor o inferior a 0 °C para un motor con un sistema de refrigeración por aire, en condiciones en las que la temperatura del agua del refrigerante en la entrada de un producto sea inferior a 5 °C o superior a 25 °C, en atmósferas potencialmente explosivas, tal como se definen en la Directiva 2014/34/UE.

Este incremento de eficiencia tendrá como consecuencia una notable disminución del coste de la energía asociada a su uso, lo que compensará sobradamente, a lo largo de su vida útil, el posible incremento inicial del coste de compra del ventilador.

La Directiva 2012/27/EU (ErP) desarrollada por los distintos Reglamentos (UE) publicados es de obligado cumplimiento en los 28 países de la Unión Europea y afecta tanto a los productos que se vendan o sean importados en Europa, o que estén integrados en otros equipos también exportados o importados.

BEFORE BUYING A FAN BE SURE THAT YOUR MANUFACTURER MEETS ERP DIRECTIVE. Note that if your supplier does not comply, your product can not be sold in the EU and can not be stamped or marked CE. Insist your supplier to be legal.

Our R&D department has invested many efforts so that we guarantee that we meet ErP Directive. You can see more information on our free selection software, Fanware, and download the energy efficiency curves of our products.

ANTES DE COMPRAR UN VENTILADOR ASEGÚRESE QUE SU FABRICANTE CUMPLE CON LA DIRECTIVA ERP. Tenga en cuenta que si su proveedor no cumple, su producto no podrá venderse en la Unión Europea ya que no podrá llevar el sello ni marcado CE. Exija a su proveedor que sea legal.

Nuestro departamento de I+D+I ha invertido muchos esfuerzos para garantizar el cumplimiento de la Directiva ErP. Puede ver más información al respecto en nuestro programa de selección Fanware y descargarse las curvas de eficiencia energética de nuestros productos.



All our products exceed the requirements of the directive Ecodesign ErP 2012/27/UE and its regulation (EU) 327/2011 for fans, 1253/2014 for residential and non residential ventilation units, 1254/2014 for energy labeling residential ventilation units and 640/2009 for motors. 206/2012 for comfort fans.

Todos nuestros productos superan los requisitos de la directiva Ecodesign ErP 2012/27/EU y su reglamentación (EU) 327/2011 para ventiladores, 1253/2014 para unidades de ventilación residencial y no residencial, 1254/2014 para el etiquetado energético en unidades de ventilación residencial y 640/2009 para motores. 206/2012 para ventiladores de confort.

high efficiency fans

STANDARDS MANUFACTURING

All Casals products have been studied and manufactured according to the most demanding international standards and using modern systems of design, management and production that allow to obtain reliable equipment in all the circumstances and with an optimal behavior in limit situations because we apply the strictest quality control standards guaranteed by our **ISO 9001: 2015** certification "Quality management systems - Requirements. Quality Management Systems -Requirements" (**266234-2018-AQ-IBE-ENAC by DNV GL Business Assurance**), and always with the utmost concern for the environment and energy saving.

Within this Quality and Service Policy, the company is committed to complying with and enforcing all its personnel and collaborators these values of professionalism and dedication to satisfy the needs of all customers and their facilities within the framework and compliance with the norms and current regulations to be able to have the obligatory and prescriptive **CE** marking in all its products in European and related markets, with an active attitude of being present as a reference company in other markets satisfying their particular requirements with the achievement of certifications such as **AMCA MEMBERSHIP** (Air Movement and Control Association) for the US and related markets and **GOST** (Gosudarstvenny Standard) for the Commonwealth of Independent States of Russia.



ESTÁNDARES DE FABRICACIÓN

Todos los productos Casals han sido estudiados y fabricados siguiendo las normas internacionales más exigentes y mediante el uso de modernos sistemas de diseño, gestión y producción que permiten obtener equipos fiables en todas las circunstancias y con un óptimo comportamiento en situaciones límite al ser elaborados dentro de estrictos controles de calidad avalados por nuestra certificación **ISO 9001: 2015** "Sistemas de gestión de la calidad - Requisitos. Quality management systems -Requirements" (**266234-2018-AQ-IBE-ENAC** realizada por **DNV GL Business Assurance**), y siempre con la máxima preocupación por el medioambiente y el ahorro energético.

Dentro de esta Política de Calidad y Servicio la empresa se compromete a cumplir y hacer cumplir a todo su personal y colaboradores estos valores de profesionalidad y de dedicación para satisfacer las necesidades de todos los clientes y de sus instalaciones dentro del marco y cumplimiento de las normas y reglamentaciones actuales para poder disponer del obligado y prescriptivo marcado **CE** en todos sus productos en mercados europeos y afines, con una activa actitud de buscar estar presente como empresa referente en otros mercados satisfaciendo sus requisitos particulares con la consecución de certificaciones como **AMCA MEMBERSHIP** (Air Movement and Control Association) para el mercado USA y afines y **GOST** (Gosudarstvenny Standard) para la Comunidad de Estados Independientes Rusos.

AMCA - Air movement and control association

AMCA - Asociación americana del movimiento y control del aire

The relationship of Ventilación Industrial Ind., S.L. and AMCA (Air Movement and Control Association) began in 2012 with the achievement of the **AMCA MEMBERSHIP** Certification according to the agreement signed between the two parties (Casals license agreement).

During the year 2013 Ventilación Industrial Ind., S.L. initiated the **AMCA RATING PROGRAM** for the certification of its products marketed under the Casals brand.

La relación de Ventilación Industrial Ind., S.L. y AMCA (Air Movement and Control Association) se inició en el año 2012 con la consecución del Certificado **AMCA MEMBERSHIP** (Certificación de AMCA Membership) según el acuerdo firmado entre las dos partes (Casals licence agreement).

En el transcurso del año 2013 Ventilación Industrial Ind., S.L. inició el **AMCA RATING PROGRAM** para la certificación de sus productos comercializados con la marca Casals.



TESTING FANS

ENSAYOS DE VENTILADORES

ISO 5801 Industrial fans - Performance testing using standardized airways AMCA 211-13 normative reference. (Rating Method used A).

AMCA 210-99/ ASHRAE 51 Industrial fans. Laboratory Methods of Testing Fans for Certified Aerodynamic Performance Rating. AMCA 211-13 normative reference.

ISO 13350 Industrial fans - Performance testing of jet fans. AMCA 211-13 Normative Reference.

UNE 100212:1990 Fans. Devices and installations for fans testing.

ISO 5801 Ventiladores industriales. Ensayos de comportamiento en circuitos normalizados, referencia normativa AMCA 211-13 (Clasificación Método utilizado A).

AMCA 210-99/ ASHRAE 51 Ventiladores industriales. Métodos de ensayos de ventiladores y su certificación de ensayos aerodinámicos, referencia normativa AMCA 211-13.

ISO 13350 Ventiladores industriales. Ensayos de comportamiento de ventiladores de chorro, referencia normativa AMCA 211-13.

UNE 100212:1990 Ventiladores. Dispositivos e instalaciones para el ensayo de ventiladores.

ISO 13348 Industrial fans. Tolerances, methods of conversion and technical data presentation.

EN 12101-3:2015 Smoke and heat control systems - Part 3: Specification for powered smoke and heat exhaust ventilators.

ISO 13348 Ventiladores industriales. Tolerancias, métodos de conversión y presentación de datos técnicos.

EN 12101-3:2015 Sistemas de control de humos y calor. Parte 3: Especificaciones para extractores de humos y calor mecánicos.

BALANCE AND VIBRATION

EQUILIBRADO Y VIBRACIONES

ISO 1940-1 Balance quality requirements for rotors in a constant (rigid) state - Part 1: Specification and verification of balance tolerances.

ISO 10816-1 Mechanical vibration - Evaluation of machine vibration by measurements on non-rotating parts - Part 1: General guidelines.

ISO 14694 Industrial fans - Specifications for balance quality and vibration levels.

ISO 1940-1 Vibraciones mecánicas. Calidad de equilibrado.

ISO 10816-1 Vibraciones mecánicas. Evaluación de las vibraciones de máquinas.

ISO 14694 Ventiladores industriales. Especificaciones para equilibrado y niveles de vibración.

SAFETY

SEGURIDAD

EN ISO 12100-1 Safety of machinery - Basic concepts, general principles for design - Part 1: Basic terminology, methodology.

EN ISO 12100-2 Safety of machinery - Basic concepts, general principles for design - Part 2: Technical principles.

EN 60204-1 Electrical equipment of machines - Part 1: General requirements.

EN 294 Safety of machinery; safety distances to prevent danger zones from being reached by the upper limbs.

ISO 13857 Safety of machinery - Safety distances to prevent danger zones being reached by upper and lower limbs.

UNE 100250 Industrial fans. Mechanical safety of fans (ISO 12499 equivalent).

ISO 12499 Industrial fans - Mechanical safety of fans.

EN ISO 12100-1 Seguridad de las máquinas. Conceptos básicos, principios generales para el diseño.
- Parte 1: Terminología básica, metodología.

EN ISO 12100-2 Seguridad de las máquinas. Conceptos básicos, principios generales para el diseño.
- Parte 2: Principios técnicos.

EN 60204-1 Seguridad de las máquinas. Equipo eléctrico de las máquinas. Parte 1: Requisitos generales.

EN 294 Seguridad de máquinas. Distancias de seguridad para impedir que se alcancen zonas peligrosas con los miembros superiores.

ISO 13857 Seguridad de máquinas. Distancias de seguridad para impedir que se alcancen zonas peligrosas con los miembros superiores e inferiores.

UNE 100250 Ventiladores industriales. Seguridad mecánica de los ventiladores (equivalente ISO 12499).

ISO 12499 Ventiladores industriales. Seguridad mecánica en los ventiladores.

ACOUSTIC

ACÚSTICA

ISO 3744 Acoustics: Determination of sound power levels of noise sources using sound pressure. Engineering method in an essentially free field over a reflecting plane.

ISO 3744 Acústica: Determinación de los niveles de potencia acústica de fuentes de ruido a partir de la presión acústica. Método de ingeniería para condiciones de campo libre sobre un plano reflectante.

MATERIALS

MATERIALES

UNE-EN 10142:2001 Continuously hot-dip zinc coated low carbon steel strip and sheet for cold forming. Technical delivery conditions.

UNE-EN 10147:2001 Continuously hot-dip zinc coated structural steel strip and sheet technical delivery conditions.

UNE-EN 10142:2001 Bandas (chapas y bobinas) de acero bajo en carbono, galvanizadas en continuo por inmersión en caliente para conformación en frío. Condiciones técnicas de suministro.

UNE-EN 10147:2001 Bandas (chapas y bobinas) de acero de construcción galvanizadas en continuo por inmersión en caliente. Condiciones técnicas de suministro.

DIRECTIVES

DIRECTIVAS

2006/42/CE Machinery Directive.

2014/35/UE Low voltage Directive.

2014/30/UE EMC (electromagnetic compatibility) Directive.

2009/125/CE Ecodesign Requirements for Energy-related Products Directive.

2011/65/UE RoHS Directive for restriction of hazardous substances in electrical and electronic equipment.

2012/19/UE Waste Electrical and Electronic Equipment, WEEE.

2006/42/CE Directiva de máquinas.

2014/35/UE Directiva de baja tensión.

2014/30/UE Directiva compatibilidad electromagnética EMC Directive.

2009/125/CE Directiva de requisitos de diseño ecológico para productos que utilizan energía.

2011/65/UE Directiva RoHS para la restricción de ciertas Sustancias Peligrosas en aparatos eléctricos y electrónicos.

2012/19/UE Directiva de residuos de aparatos eléctricos y electrónicos WEEE.

REGULATIONS

REGLAMENTO

(UE) 327/2011 Regard to ecodesign requirements for fans driven by motors with an electric input power between 125 W and 500 kW.

(UE) 640/2009 Regulation regard to ecodesign requirements for electric motors.

(UE) 4/2014 Regulation regard to ecodesign requirements for electric Motors vs Article 1 (EC) 640/2009.

305/2011/EU Construction Products Regulation CPR.

(UE) 327/2011 Reglamento para el diseño ecológico para los ventiladores de motor con una potencia eléctrica de entrada comprendida entre 125 W y 500 kW.

(UE) 640/2009 Reglamento en lo relativo a los requisitos de diseño ecológico para los motores eléctricos.

(UE) 4/2014 Reglamento en lo relativo a los requisitos de diseño ecológico para los motores eléctricos vs artículo 1 (UE) 640/2009.

305/2011/EU Reglamento de Productos de Construcción o CPR.

ATEX EXECUTIONS

EJECUCIONES ATEX



ATEX 2014/34/UE Directive Equipment and protective systems intended for use in potentially explosive atmospheres.

EN 14986 Design of fans working in potentially explosive atmospheres.

EN 13463-1 Non-electrical equipment for use in potentially explosive atmospheres - Part 1: Basic method and requirements.

EN 1127-1 Explosive atmospheres - Explosion prevention and protection - Part 1: Basic concepts and methodology.

Directiva ATEX 2014/34/UE Aparatos y sistemas de protección para uso en atmósferas potencialmente explosivas.

EN 14986 Diseño de ventiladores para trabajar en atmósferas potencialmente explosivas.

EN 13463-1 Equipos no eléctricos destinados a atmósferas potencialmente explosivas. - Parte 1: Requisitos y metodología básica.

EN 1127-1 Atmósferas explosivas. Prevención y protección contra la explosión. - Parte 1: Conceptos básicos y metodología.

EN-60034-30 STANDARD

NORMATIVA EN-60034-30

Efficiency classes of single-speed three phase cage induction motors for rotating electrical machines.

All products of this price list meet EN-60034-30 standard which states that as of January 1st 2015 motors with a rated power of 7.5 - 375kW shall have a level of performance below IE3 or IE2 classification and be equipped with a frequency adjustment control.

Clases de rendimiento para los motores trifásicos de inducción de jaula de velocidad única para máquinas eléctricas rotativas.

Todos los productos de esta tarifa cumplen la normativa EN-60034-30 donde se indica que a partir del 1 de enero de 2015, los motores con una potencia nominal de 7,5 – 375kW no podrán tener un nivel de rendimiento inferior al nivel de clasificación IE3 o IE2 equipados de un mando de regulación de frecuencia.

ICONS LEGEND

LEYENDA ICONOGRÁFICA

There are some icons next to the products description. The meaning of these icons is the following:

Acompañando la descripción de los productos podrá ver algunos iconos cuyo significado es el siguiente:



The product is available under request with 60Hz and special voltages. Contact us to consult its price.

El producto está disponible bajo demanda con motor a 60Hz y voltajes especiales. Contacte para consultar el precio.



The product can work either 50 or 60Hz without factory setting.

El producto puede trabajar indistintamente a 50 o a 60Hz sin necesidad de configurarlo en fábrica.



The product meets the performance requirements outlined in ErP directive 2018.

El producto cumple con las exigencias de eficiencia energética establecidas por la directiva ErP 2018.



The product meets the performance requirements outlined in ErP directive.

El producto cumple con las exigencias de eficiencia energética establecidas por la directiva ErP.



The product is excluded from meeting the ErP directive due to its own exceptions.

El producto está excluido de cumplir con la directiva ErP por motivos descritos en la misma.



Eurovent certificate for exchanger heat recovery units.

Certificado Eurovent para las celulas intercambiadoras de los recuperadores.



It is a certified ATEX fan (for potentially explosive atmospheres).

Se trata de un ventilador certificado ATEX (para trabajar en atmósferas potencialmente explosivas).



Fan for smoke emergency exhaust with motor inside the hazardous area.

Ventilador para la extracción de humo en caso de incendio estando el motor dentro de la zona de riesgo (inmerso).



Fan for smoke emergency exhaust with motor outside the hazardous area.

Ventilador para la extracción de humo en caso de incendio estando el motor fuera de la zona de riesgo (no inmerso; a trasiego).



IMQ Safety certificate to guaranty the electromechanical compatibility.

Certificado IMQ Safety para garantizar la compatibilidad electromagnética.



Fan equipped with permanent magnet motor (PM).

Ventilador equipado con motor de imanes permanentes (PM).



The product drawing for REVIT is available on request

El producto dispone de plano para REVIT

SALES CONDITIONS

CONDICIONES DE VENTA

| PORTES EN PENÍNSULA | | ISLAS CANARIAS (Tenerife, Gran Canaria) | | ISLAS BALEARES | | ANDORRA | | EXPORT |
|---------------------|--------------|---|-----------------|----------------|-----------------|----------------|-----------------|----------|
| Importe pedido | Cargo portes | Importe pedido | Cargo en portes | Importe pedido | Cargo en portes | Importe pedido | Cargo en portes | |
| 0-200 € | 30 € | 0-1500 € | 75 € | 0-1000 € | 50 € | 0-1500 € | 60 € | Ex-Works |
| 201-600 € | 20 € | +1500 € | 0 € | +1000 € | 0 € | +1500 € | 0 € | |
| 601-1000 € | 15 € | Resto de islas | debidos | | | | | |
| +1000 € | 0 € | | | | | | | |

In all cases the material can be collected by the customer with prior notice and request for delivery note.

En todos los casos el material se puede recoger por cuenta del cliente con previo aviso y solicitud de albarán.

PURCHASING TERMS:

- Only claims before 30 days will be accepted.
- Prices excluding VAT.
- Casals has the right to modify prices and products without previous warning.

RETURNS:

- No returns of customized fans will be accepted. In case of standard fans, returns will only be accepted within the first 3 months after delivery.
- A written claim form should be filled and agreed by our sales department before any return is accepted.
- After an evaluation, if the return is not justified, the fan will be returned and the client will be charged for the transport costs as well as 25% depreciation of the fan.
- After an evaluation, if the return is justified, our sales department will arrange collection and credit note, and/or replacement of the fan.

All prices are valid except for printing errors.

EXTENSION OF WARRANTY:

If you require a warranty extension, please always consult before processing the order.

CONDICIONES DE VENTA:

- No se aceptarán reclamaciones después de los 30 días de la fecha de recepción de la mercancía.
- Todos los precios son sin IVA.
- Casals se reserva el derecho de modificar sus precios y productos sin previo aviso.

DEVOLUCIONES:

- No se admitirá ninguna devolución de material de fabricación especial, en ventiladores de catálogo no se aceptarán devoluciones pasados tres meses de la recepción del pedido.
- Las devoluciones serán acordadas con nuestro delegado de ventas por escrito, mediante nuestro impreso de devolución debidamente cumplimentado.
- Si la devolución no es debida a un error de Casals podría ser devuelta con previa negociación, portes debidos y se le aplicará una depreciación mínima del 25%.
- Si la devolución es debida a un error por parte de Casals, se deberá comunicar a nuestro departamento comercial para que procedamos a su recogida y posterior abono.

Precios válidos salvo error tipográfico.

AMPLIACIÓN DE GARANTÍA:

En caso de requerir una ampliación de garantía, consultar siempre antes de tramitar el pedido.

MODELS DESCRIPTION

DESCRIPCIÓN DE MODELOS

GENERIC DESCRIPTION OF THE MODELS

The description of the fan models that appear in this price list generally keeps the same structure. Its reference is composed of the name of the series, followed by the size of the impeller, the type of motor (single-phase or three-phase), the number of poles of this motor and its power (except in some small models where no power is specified). In case of being a free-shaft fan, there is no motor information.

DESCRIPCIÓN GENÉRICA DE LOS MODELOS

La descripción de los modelos de ventiladores que aparecen en esta tarifa generalmente siguen la misma estructura. Su denominación está compuesta por el nombre de la serie, seguida por el tamaño de la turbina, el tipo de motor (monofásico o trifásico), el número de polos de éste y su potencia (salvo en algunos modelos pequeños donde no se especifica potencia). En el caso de ser un ventilador a eje libre, no dispondrá de la información del motor.

| | SERIES | SIZE | SINGLE/THREEPHASE | Nr POLES | POWER |
|--|--------|--------|-------------------|----------|----------|
| | SERIE | TAMAÑO | MONO / TRIFÁSICO | Nº POLOS | POTENCIA |
| EXAMPLE WITH MOTOR EJEMPLO CON MOTOR | HBF | 100 | T | 4 | 22kW |
| EXAMPLE WITH FREE SHAFT EJEMPLO EJE LIBRE | BVC | 10/10 | | | |

POWER UNITS

The power of the fan motor is described in kW.
For the equivalence in HP, please use the following table:

UNIDADES DE POTENCIA

La potencia del motor de los ventiladores se describe en kW.
Si quiere obtener la equivalencia en CV, use la siguiente tabla:

Power (CV) = 1,36 x Power (kw) Power (CV) = 0,00136 x Power (w)

Potencia (CV) = 1,36 x Potencia (kw) Potencia (CV) = 0,00136 x Potencia (w)

DIMENSIONS UNITS

Axial fans impellers are described in cm. EXAMPLE: HMX 80.
For centrifugal fans we find the following cases:
LOW PRESSURE "impeller diameter/impeller width" in inches: BV 25/20
INDUSTRIAL TYPE 1 "impeller diameter/impeller width" in cm: MB 25/10
INDUSTRIAL TYPE 2 "impeller diameter" in mm: NIMUS 400

UNIDADES DE DIMENSIONES

Las hélices de los ventiladores helicoidales se describen en centímetros (cm). EJEMPLO: HMX 80.
En el caso de los ventiladores centrífugos se pueden dar los tres casos siguientes:
BAJA PRESIÓN "diámetro turbina/anchura turbina" en pulgadas: BV 25/20
INDUSTRIALES TIPO 1 "diámetro turbina/anchura turbina" en centímetros: MB 25/10
INDUSTRIALES TIPO 2 "diámetro turbina" en milímetros: NIMUS 400

TABLE OF MOST FREQUENT EQUIVALENCES

| HP | kW | INCHES | CM |
|-----|------|--------|----|
| 1/4 | 0,18 | 5 | 13 |
| 1/3 | 0,25 | 7 | 19 |
| 1/2 | 0,37 | 9 | 25 |
| 3/4 | 0,55 | 10 | 28 |
| 1 | 0,75 | 12 | 33 |
| 1,5 | 1,1 | 15 | 39 |
| 2 | 1,5 | 18 | 47 |
| 3 | 2,2 | 20 | 51 |
| 4 | 3 | 22 | 56 |
| 5,5 | 4 | 24 | 63 |
| 7,5 | 5,5 | 26 | 68 |
| 10 | 7,5 | | |
| 15 | 11 | | |
| 20 | 15 | | |
| 25 | 18,5 | | |
| 30 | 22 | | |

TABLA DE EQUIVALENCIAS MÁS USUALES

| CV | kW | PULGADAS | CM |
|-----|------|----------|----|
| 1/4 | 0,18 | 5 | 13 |
| 1/3 | 0,25 | 7 | 19 |
| 1/2 | 0,37 | 9 | 25 |
| 3/4 | 0,55 | 10 | 28 |
| 1 | 0,75 | 12 | 33 |
| 1,5 | 1,1 | 15 | 39 |
| 2 | 1,5 | 18 | 47 |
| 3 | 2,2 | 20 | 51 |
| 4 | 3 | 22 | 56 |
| 5,5 | 4 | 24 | 63 |
| 7,5 | 5,5 | 26 | 68 |
| 10 | 7,5 | | |
| 15 | 11 | | |
| 20 | 15 | | |
| 25 | 18,5 | | |
| 30 | 22 | | |

2 SPEEDS MOTORS

The values of the motor powers may vary slightly depending on the brand of motor used.

MOTORES DE 2 VELOCIDADES

Los valores de las potencias de los motores podrán variar ligeramente según la marca de motor utilizada.

ACOUSTIC VALUES

VALORES DE ACÚSTICA

The acoustic values indicated in the data table of each fan correspond to:

Los valores de acústica indicados en la tabla de datos de cada ventilador corresponden a:

| | |
|---|---|
| Centrifugal roof fans Ventiladores de tejado centrífugos | Average sound pressure level (SPL) in dB(A), outlet side, measured on a horizontal plane from 5m. Nivel de presión sonora (SPL) media en dB(A) en la impulsión, medida sobre plano horizontal a una distancia de 5m. |
| Cabinet and inline fans, except for BOX HB and its variants Cajas de ventilación y ventiladores inline. Excepto BOX HB y sus variantes | Average sound pressure level (SPL) in dB(A), with both inlet and outlet ducted, measured in open field from 1,5m. Nivel de presión sonora (SPL) media en dB(A) con el cajón o ventilador entubado en aspiración y descarga, medida en campo libre a 1,5m. |
| Axial fans, including axial roof fans, BOX HB and its variants Ventiladores helicoidales, incluidos helicoidales de tejado, BOX HB y sus variantes | Average sound pressure level (SPL) in dB(A), inlet side, measured in open field from a distance of 3 times the impeller diameter with a minimum of 6m. Nivel de presión sonora (SPL) media en dB(A) en la aspiración, medida en campo libre a una distancia de 3 veces el diámetro de la hélice con un mínimo de 6m. |
| Centrifugal fans without cabinet Ventiladores centrífugos sin caja | Average sound pressure level (SPL) in dB(A), measured in open field from 1,5m with ducted outlet. Nivel de presión sonora (SPL) media en dB(A) medida en campo libre a una distancia de 1,5m y con la impulsión entubada. |
| Jet fans Ventiladores de impulso (jet fans) | Average sound pressure level (SPL) in dB(A) in open field from a distance of 5m. Nivel de presión sonora (SPL) media en dB(A) en campo libre a una distancia de 5m. |



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| AAVC | 133 |
| AAVC/N ATEX | 286 |
| AAVG/N | 137 |
| AAVG/N ATEX | 290 |
| AAVM/N | 139 |
| AAVM/N ATEX | 292 |
| AAVP/N | 135 |
| AAVP/N ATEX | 288 |
| AAZ | 263 |
| AAZA | 142 |
| AAZA ATEX | 294 |
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| ABRENSA EEC | 353 |
| AC | 411 |
| ARUMAK | 347 |
| ARUMAK EEC | 363 |
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| ARUMAK LP EEC | 359 |
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| BOX BSTB | 64 |
| BOX BSTB F400 | 240 |
| BOX BV | 56 |
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| BOX BV PLUS | 57 |
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| BOX HB | 38 |
| BOX HBA | 38 |
| BOX HBF F200 | 227 |
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| BOX HBX | 246 |
| BOX RL | 46 |
| BOX RL PLUS EVO | 47 |
| BOX RLF F400 | 231 |
| BOX RLF F400 | 231 |
| BOX RLQ PLUS | 49 |
| BOX RLT | 50 |
| BP CEP-2 | 343 |
| BS | 408 |
| BSH | 403 |
| BST | 74 |
| BSTB | 119 |
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| BST-M | 77 |
| BSV | 403 |
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| BVCR | 71 |
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| CPS | 424 |
| CRE CEP-2 | 343 |
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| CTH3 ATEX | 272 |
| CTH3 F400 | 233 |
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| CTH3-A ATEX | 272 |
| CTH3-A F400 | 233 |
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| DHUMAT F400 | 238 |
| DKF | 408 |
| DOMEX EEC | 370 |
| DPS | 435 |
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| EI DHUMAT | 413 |
| EIS | 414 |
| ERELIS | 323 |
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| HB F300 | 196 |
| HB F400 | 193 |
| HBFX F300 | 196 |
| HBFX F400 | 193 |
| HBX | 243 |
| HC | 162 |
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| HCA EVO EEC | 167 |
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| HJBM PLUS | 153 |
| HJBMX | 242 |
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| HMA | 169 |
| HMA EVO EEC | 175 |
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| HMF F300 | 213 |
| HMF F400 | 209 |
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| INT 400 | 434 |
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| MA P/R | 108 |
| MAKNA EEC | 378 |
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| MB 14/5-20/8 | 96 |
| MB 22/9-28/11 | 96 |
| MB 31/12-45/18 | 96 |
| MB P/R | 109 |
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| MBCA | 99 |
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| MBGR | 106 |
| MBGR ATEX | 280 |
| MBI | 415 |
| MBP | 113 |
| MBPC | 115 |
| MBPCX | 261 |
| MBPX | 259 |
| MBRM | 102 |
| MBRM ATEX | 276 |
| MBRU | 104 |
| MBRU ATEX | 278 |
| MBX | 257 |
| MBZM P/R | 110 |
| MBZM P/R ATEX | 282 |
| MC HB | 415 |
| MDE | 98 |
| MDI | 112 |
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| MTCA s.1 ATEX | 297 |
| MTCA s.12 | 127 |
| MTCA s.12 ATEX | 304 |
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| MTCA s.9 ATEX | 298 |
| MTGR s.1 | 124 |
| MTGR s.1 ATEX | 298 |
| MTGR s.12 | 128 |
| MTGR s.12 ATEX | 307 |
| MTGR s.9 | 126 |
| MTGR s.9 ATEX | 302 |
| MTRL s.1 | 123 |
| MTRL s.1 ATEX | 297 |
| MTRL s.12 | 127 |
| MTRL s.12 ATEX | 304 |
| MTRL s.9 | 125 |
| MTRL s.9 ATEX | 299 |
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| MTRM s.1 ATEX | 297 |
| MTRM s.12 | 127 |
| MTRM s.12 ATEX | 305 |
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| MTRM s.9 ATEX | 300 |
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| MTRU s.1 ATEX | 297 |
| MTRU s.12 | 128 |
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| MTRU s.9 ATEX | 301 |
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| MTZM P/R s.1 ATEX | 298 |
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| MTZM P/R s.9 ATEX | 303 |

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| NIMUS | 80 |
| NIMUS ATEX | 264 |
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| PCP | 402 |
| PHONI-CV | 334 |
| PI | 402 |
| PO | 408 |
| PRESTUR | 84 |
| PRESTUR ATEX | 268 |
| PREXTUR | 86 |
| PREXTUR ATEX | 270 |
| PS | 408 |
| PSD-2 | 402 |
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| RA | 400 |
| RAI | 400 |
| RBS | 400 |
| REG | 431 |
| REG TWIN | 432 |
| REG VMC | 431 |
| REGC | 432 |
| REGD-1 | 431 |
| REPROFIRE | 430 |
| RI | 398 |
| RIS | 399 |
| RM | 399 |
| RP | 396 |
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| TWIN BOX BD PLUS | 60 |
| TWIN BOX BD PLUS EEC | 62 |
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| VIS | 421 |
| VISC | 421 |

Roof fans | Ventiladores de Tejado

| | | | | | | | | |
|--|---|---|---|---|---|--|---|---|
|  |  |  |  |  |  |  |  |  |
| HTE p.26 | KIT TE p.27 | KIT TM p.27 | CTH3 p.28 | CTH3-A p.28 | CTH4 p.31 | BT ROOF 2 SB p.32 | BT ROOF 2 SBP p.32 | FOCCETA p.33 |

Cabinet fans | Cajas de Ventilación

Inline | Inline

| | | | | | | | |
|---|---|---|---|---|--|---|---|
|  |  |  |  |  |  |  |  |
| SB-2 p.35 | SBC-2 p.35 | SB FILTER p.36 | SBC FILTER p.36 | SB EEC PLUS p.37 | SBC EEC PLUS p.37 | BOX HB p.38 | BOX HBA p.38 |

Centrifugal | Centrífugas

| | | | | | | | | |
|---|---|---|---|---|--|---|---|---|
|  |  |  |  |  |  |  |  |  |
| BOX RL p.46 | BOX RL PLUS EVO p.47 | BOX RLQ PLUS p.49 | BOX RLT p.50 | BOX BD p.51 | BOX BD PLUS p.52 | BOX BD CA p.53 | BOX BD EEC p.54 | BOX BD PLUS EEC p.55 |
|  |  |  |  |  |  |  |  |  |
| BOX BV p.56 | BOX BV PLUS p.57 | BOX BV CA p.58 | BVFC p.236 | TWIN BOX BD p.59 | TWIN BOX BD PLUS p.60 | TWIN BOX BD EEC p.61 | TWIN BOX BD PLUS EEC p.62 | TWIN BOX BV p.63 |
|  |  |  |  |  |  |  |  | |
| BOX BSTB p.64 | DHUMAT p.238 | SB-2 p.35 | SBC-2 p.35 | SB FILTER p.36 | SBC FILTER p.36 | SB EEC PLUS p.37 | SBC EEC PLUS p.37 | |

Centrifugal fans | Ventiladores Centrífugos

Centrifugal low pressure fans | Centrífugos de baja presión











| | | | | | | | | | |
|---|---|---|---|---|---|--|---|---|---|
|  |  |  |  |  |  |  |  |  |  |
| BD p.66 | BD CUBIC p.66 | BD EEC p.68 | BD 3V p.69 | BD EXO p.70 | BV p.71 | BVC p.71 | BVCR p.71 | BC p.73 | BST p.74 |
|  |  |  |  | | | | | | |
| BVC-M p.75 | BVCR-M p.76 | BST-M p.77 | BCI p.78 | | | | | | |

Centrifugal medium pressure fans | Centrífugos de media presión

Direct | Directo







| | | | | | | | | |
|---|---|---|---|---|--|---|---|---|
|  |  |  |  |  |  |  |  |  |
| NIMUS 80 | NIMAX p.82 | PRESTUR p.84 | PREXTUR p.86 | KASTORM p.88 | CIKSTORM p.90 | CLIBOS p.92 | MA 18-25 p.94 | MA 26-31 p.95 |
|  |  |  |  |  |  |  |  |  |
| MB p.96 | MDE p.98 | MBCA p.99 | MBC p.101 | MBRM p.102 | MBRU p.104 | MBGR p.106 | MA P/R p.108 | MB P/R p.109 |
|  |  |  |  |  | | | | |
| MBZM P/R p.110 | MDI p.112 | MBP p.113 | MBPC p.115 | IGNÉO p.229 | | | | |

Belt driven fans | A transmisión







| | | | | | | | | |
|---|---|---|---|---|--|---|---|---|
|  |  |  |  |  |  |  |  |  |
| CLIBOS-TR p.117 | BSTB p.119 | BSTB-M p.120 | MT p.121 | MTCA p.123/125/127 | MTRL p.123/125/127 | MTRM p.123/125/127 | MTRU p.124/126/128 | MTGR p.124/126/128 |
|  | | | | | | | | |
| MTZM P/R p.124/126/128 | | | | | | | | |

Centrifugal high pressure fans | Centrífugos de alta presión

Direct | Directo

| | | | | | | | |
|---|---|---|---|---|--|---|---|
|  |  |  |  |  |  |  |  |
| AA p.129 | AAVA p.131 | AAVC p.133 | AAVP/N p.135 | AAVG/N p.137 | AAVM/N p.139 | AA P/R p.141 | AAZA p.142 |

Belt driven fans | A transmisión

| | | | | | |
|---|---|---|---|---|--|
|  |  |  |  |  |  |
| AATVA p.145/146/148 | AATVP p.145/146/148 | AATVM p.145/147/148 | AATVC p.146/147/149 | AATVG p.146/147/149 | AATZA p.146/147/149 |

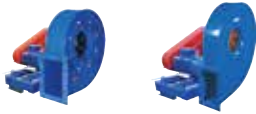
Centrifugal straight blade fans | Centrífugos de pala recta

Direct | Directo



| | | | | |
|------------------------|------------------------|--------------------------|----------------------|------------------------|
| MA P/R p.108 | MB P/R p.109 | MBZM P/R p.110 | AAZA p.142 | AA P/R p.141 |
|------------------------|------------------------|--------------------------|----------------------|------------------------|

Belt driven fans | A transmisión



| | |
|----------------------------------|-------------------------------|
| MTZM P/R p.124/126/128 | AATZA p.146/147/149 |
|----------------------------------|-------------------------------|

Axial fans | Ventiladores Helicoidales

Wall fans | Murales



| | | | | | | |
|----------------------|----------------------|---------------------------|--------------------------|---------------------|--------------------|---------------------|
| HJEM p.151 | HJBM p.152 | HJBM PLUS p.153 | HJBM EEC p.154 | HJB p.155 | HB p.156 | HBA p.156 |
|----------------------|----------------------|---------------------------|--------------------------|---------------------|--------------------|---------------------|

Cased fans | Tubulares



| | | | | | | | | | |
|--------------------|---------------------|----------------------------|-----------------------------|--------------------|---------------------|----------------------------|-----------------------------|------------------------|--------------------|
| HC p.162 | HCA p.162 | HC EVO EEC p.167 | HCA EVO EEC p.167 | HM p.169 | HMA p.169 | HM EVO EEC p.175 | HMA EVO EEC p.175 | KIT HI p.177 | HH p.178 |
|--------------------|---------------------|----------------------------|-----------------------------|--------------------|---------------------|----------------------------|-----------------------------|------------------------|--------------------|



| | | |
|---------------------|-----------------------|-----------------------|
| HHP p.179 | BOX HB p.38 | BOXHBA p.38 |
|---------------------|-----------------------|-----------------------|

Air curtains | Cortinas de aire





COURSALIS E
p.181

COURSALIS
p.182

High efficiency | Alta eficiencia

| | | | | | | | | | |
|--|---|---|---|---|---|--|---|---|---|
|  |  |  |  |  |  |  |  |  |  |
| BD EEC p.68 | SB EEC PLUS p.37 | SBC EEC PLUS p.37 | BOX BD EEC p.54 | BOX BD PLUS EEC p.55 | TWIN BOX BD EEC p.61 | TWIN BOX BD PLUS EEC p.62 | HJBM EEC p.154 | HC/HCA EVO EEC p.167 | HM/HMA EVO EEC p.175 |
|  |  |  |  |  |  |  |  | | |
| BT-3 EEC p.328 | ABRENSA EEC p.353 | ARUMAK LP EEC p.359 | ARUMAK EEC p.363 | DOMEX EEC p.370 | MAKNA EEC p.378 | CIRKEDO EEC p.381 | KUVIO EEC p.326 | | |

Ducted fans | En conducto

| | | | | | | | | | |
|--|---|---|---|---|---|--|---|---|---|
|  |  |  |  |  |  |  |  |  |  |
| BOX HB p.38 | BOX HBA p.38 | HM p.169 | HMA p.169 | HM EVO EEC p.175 | HMA EVO EEC p.175 | HH p.178 | HHP p.179 | SB-2 p.35 | SBC-2 p.35 |
|  |  |  |  |  |  |  |  |  |  |
| SB FILTER p.36 | SBC FILTER p.36 | SB EEC PLUS p.37 | SBC EEC PLUS p.37 | BOX RL p.46 | BOX RL PLUS EVO p.47 | BOX RLQ PLUS p.49 | BOX RL p.50 | BOX BD p.51 | BOX BD PLUS p.52 |
|  |  |  |  |  |  |  |  |  |  |
| BOX BD CA p.53 | BOX BD EEC p.54 | BOX BD PLUS EEC p.55 | BOX BV p.56 | BOX BV PLUS p.57 | BOX BV CA p.58 | TWIN BOX BD p.59 | TWIN BOX BD EEC p.61 | TWIN BOX BV p.63 | BOX BSTB p.64 |
|  |  |  |  |  |  | | | | |
| HMR p.184 | HMRT p.185 | BT-3 p.327 | BT-3 EEC p.328 | KUVIO p.325 | KUVIO EEC p.326 | | | | |

Jet fans | Ventiladores de Impulso

Comfort | Confort




| | | |
|----------------------------|-----------------------------|--------------------------------|
| JF CONFORT p.187 | JFC CONFORT p.189 | SYBILO CONFORT p.191 |
|----------------------------|-----------------------------|--------------------------------|







Smoke exhaust F300 F400 | Desenfumaje F300/F400




| | | | | | |
|-------------------------|-------------------------|--------------------------|--------------------------|-----------------------------|-----------------------------|
| JF F400 p.188 | JF F300 p.188 | JFC F400 p.190 | JFC F300 p.190 | SYBILO F400 p.191 | SYBILO F300 p.191 |
|-------------------------|-------------------------|--------------------------|--------------------------|-----------------------------|-----------------------------|

Smoke exhaust | Desenfumaje

 Inside | Inmersos (400°C/2h, 300°C/2h, 200°C/2h)

| | | | | | | | | | |
|---|---|---|---|---|---|--|---|---|---|
|  |  |  |  |  |  |  |  |  |  |
| HBF F400 p.193 | HBFX F400 p.193 | HBF F300 p.196 | HBFX F300 p.196 | HBF F200 p.199 | HCF F400 p.201 | HCFX F400 p.201 | HCF F300 p.204 | HCFX F300 p.204 | HCF F200 p.207 |
|  |  |  |  |  |  |  |  |  |  |
| HMF F400 p.209 | HMFX F400 p.209 | HMF F300 p.213 | HMFX F300 p.213 | HMF F200 p.217 | JFC (core) p.219 | BOX HBF F400 p.221 | BOX HBFX F400 p.221 | BOX HBF F300 p.224 | BOX HBFX F300 p.224 |
|  |  |  |  |  |  |  |  |  |  |
| BOX HBF F200 p.227 | IGNÉO p.229 | JF F400 p.188 | JF F300 p.188 | JFC F400 p.190 | JFC F300 p.190 | SYBILO F400 p.191 | SYBILO F300 p.191 | BOX RLF F400 p.231 | BOX RLFX F400 p.231 |

 Outside | a trasiego (400°C/2h)

| | | | | |
|---|---|---|---|---|
|  |  |  |  |  |
| CTH3 F400 p.233 | CTH3-A F400 p.233 | BVFC F400 p.236 | DHUMAT F400 p.238 | BOX BSTB F400 p.240 |








ATEX fans | Ventiladores ATEX

| | | | | | | | | | |
|--|---|---|---|---|---|--|---|---|---|
|  |  |  |  |  |  |  |  |  |  |
| HJBMX p.242 | HBX p.243 | HBFX F400 p.193 | HBFX F300 p.196 | BOX HBX p.246 | BOX HBFX F400 p.221 | BOX HBFX F300 p.224 | HCX p.249 | HCFX F400 p.201 | HCFX F300 p.204 |
|  |  |  |  |  |  |  |  |  |  |
| HMX p.252 | HMFX F400 p.209 | HMFX F300 p.213 | HHX p.255 | MAX p.256 | MBX p.257 | MBPX p.259 | MBPCX p.261 | AAX p.263 | NIMUS ATEX p.264 |
|  |  |  |  |  |  |  |  |  |  |
| NIMAX ATEX p.266 | PRESTUR ATEX p.268 | PREXTUR ATEX p.270 | CTH3 ATEX p.272 | CTH3-A ATEX p.272 | MBCA ATEX p.274 | MBRM ATEX p.276 | MBRU ATEX p.278 | MBGR ATEX p.280 | MBZM P/R ATEX p.282 |
|  |  |  |  |  |  |  |  |  |  |
| MTCA ATEX p.297/298/304 | MTRL ATEX p.297/299/304 | MTRM ATEX p.297/300/305 | MTRU ATEX p.297/301/305 | MTGR ATEX p.298/302/307 | MTZM P/R ATEX p.298/303/308 | AAVA ATEX p.284 | AAVC ATEX p.286 | AAVP ATEX p.288 | AAVG/N ATEX p.290 |
|  |  |  |  |  |  |  |  | | |
| AAVMATEX p.292 | AAZA ATEX p.294 | AATVA ATEX p.311/312/316 | AATVP ATEX p.311/313/316 | AATVM ATEX p.311/313/317 | AATVC ATEX p.311/314/318 | AATVG ATEX p.311/314/319 | AATZA ATEX p.312/315/319 | | |

Industrial processes | Procesos Industriales

| | | | | | | | | | |
|---|---|---|---|---|---|--|---|---|---|
|  |  |  |  |  |  |  |  |  |  |
| NIMUS p.80 | NIMAX p.82 | PRESTUR p.84 | PREXTUR p.86 | KASTORM p.88 | CIKSTORM p.90 | CLIBOS p.92 | MA 18-25 p.94 | MA 26-31 p.95 | MBCA p.99 |
|  |  |  |  |  |  |  |  |  |  |
| MBC p.101 | MBRM p.102 | MBRU p.104 | MBGR p.106 | MDI p.112 | MBP p.113 | MBPC p.115 | HH | HHP | HJB p.146 |
|  |  |  |  |  |  |  |  |  |  |
| AA p.129 | AAVA p.131 | AAVC p.133 | AAVP/N p.135 | AAVG/N p.137 | AAVM/N p.139 | AAZA p.142 | MTRM p.123/125/127 | MTRU p.124/126/128 | MTRL p.123/125/127 |
|  |  |  |  |  |  |  |  |  |  |
| MTGR p.124/126/128 | MTCA p.123/125/127 | MTZM P/R p.124/126/128 | AATZA p.146/147/149 | AATVM p.145/147/148 | AATVC p.146/147/149 | AATVG p.146/147/149 | AATVP p.145/146/148 | AATVA p.145/146/148 | CLIBOS-TR p.117 |

Material transport | Transporte de material

| | | | | | | |
|---|---|---|---|---|---|--|
|  |  |  |  |  |  |  |
| MA P/R p.108 | MB P/R p.109 | MBZM P/R p.110 | MTZM P/R p.124/126/128 | AA P/R p.141 | AAZA p.142 | AATZA p.146/147/149 |

Residential | Residencial

| | | | | | | | | | |
|---|---|---|---|---|---|--|---|---|---|
|  |  |  |  |  |  |  |  |  |  |
| LÍDERO p.322 | IKHUNA p.322 | KUBALIK p.323 | ERELIS p.323 | TEKSTÜR p.324 | TEKSTÜR PLUS p.324 | KUVIO p.325 | KUVIO EEC p.326 | ESTELA p.327 | BT-3 p.327 |
|  |  |  |  |  |  |  |  |  |  |
| BT-3 EEC p.328 | SB-2 p.35 | SBC-2 p.35 | SB FILTER p.36 | SBC FILTER p.36 | SB EEC PLUS p.37 | SBC EEC PLUS p.37 | BT ROOF 2 SB p.32 | BT ROOF 2 SBP p.32 | EAA S p.329 |
|  |  |  |  |  |  |  |  |  |  |
| BEA SC/DC p.329/330 | CFR p.330 | EAH S p.331 | BEH HYGRO p.331 | BE p.332 | BEIRM p.332 | COMPRI-CV p.333 | COMBI-CV p.333 | THERMI-CV p.334 | PHONI-CV p.334 |

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|  |
| MFVC M1 p.335 |

Heat recovery units | Recuperadores de calor



| | | | | | | | | | |
|----------------------------|---------------------------|------------------------|----------------------|-----------------------------|-------------------------------|----------------------------|---------------------------|---------------------------|-----------------------------|
| CEPHIRUS-2 p.340 | ARUMAK LP p.344 | ARUMAK p.347 | KOXA p.351 | ABRENSA EEC p.353 | ARUMAK LP EEC p.359 | ARUMAK EEC p.363 | DOMEX EEC p.370 | MAKNA EEC p.378 | CIRKEDO EEC p.381 |
|----------------------------|---------------------------|------------------------|----------------------|-----------------------------|-------------------------------|----------------------------|---------------------------|---------------------------|-----------------------------|

Mechanical accessories | Accesorios mecánicos

Protection guards | Rejillas de protección



| | | | | | | | | |
|--------------------|---------------------|---------------------|--------------------|---------------------|--------------------|---------------------|--------------------|---------------------|
| RP p.396 | RP0 p.396 | RP1 p.397 | RI p.398 | RIS p.399 | RM p.399 | RBS p.400 | RA p.400 | RAI p.400 |
|--------------------|---------------------|---------------------|--------------------|---------------------|--------------------|---------------------|--------------------|---------------------|

Shutters | Persianas



| | | | | | |
|---------------------|---------------------|-----------------------|--------------------|---------------------|-------------------------|
| PC2 p.402 | PCP p.402 | PSD-2 p.402 | PI p.402 | CMP p.403 | BSH/BSV p.403 |
|---------------------|---------------------|-----------------------|--------------------|---------------------|-------------------------|

Filters and boxes | Filtros y cajones



| | | | | | |
|-----------------------------------|------------------------------|------------------------------|----------------------------|----------------------|----------------------|
| ISO Coarse>90% p.404 | ISO ePM1 70% p.404 | ISO ePM1 80% p.404 | BOX FILTER p.404 | CPCC p.406 | CPCR p.407 |
|-----------------------------------|------------------------------|------------------------------|----------------------------|----------------------|----------------------|

Supports | Pies y soportes



| | | | | | | | | | |
|-------------------|---------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------------|--------------------|
| S p.408 | DKF p.408 | PO p.408 | PS p.408 | BS p.408 | KF p.409 | KB p.409 | FS p.409 | BTI p.410 | TM p.410 |
|-------------------|---------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------------|--------------------|

Connection flanges | Embocaduras

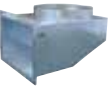


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|--------------------|--------------------|---------------------------|---------------------|---------------------|-----------------------|------------------------|-----------------------|---------------------|----------------------|
| AC p.411 | EI p.412 | EI DHUMAT p.413 | EIS p.414 | MBI p.415 | MC HB p.415 | BA-400 p.416 | JE 45 p.416 | BAD p.416 | BADS p.417 |
|--------------------|--------------------|---------------------------|---------------------|---------------------|-----------------------|------------------------|-----------------------|---------------------|----------------------|



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|----------------------|---------------------|----------------------|---------------------|----------------------|
| BIDS p.418 | TCA p.419 | TIAC p.419 | BAC p.420 | CLBI p.420 |
|----------------------|---------------------|----------------------|---------------------|----------------------|

Other | Otros

| | | | | | | | | | |
|---|---|---|---|---|---|--|---|---|---|
|  |  |  |  |  |  |  |  |  |  |
| VIS | VISC | TEJ | CBA CEP-2 | BP CEP-2 | AVR | AVS | AVT | AT | CPS |
| p.421 | p.421 | p.421 | p.342 | p.343 | p.422 | p.423 | p.423 | p.424 | p.424 |
|  |  |  |  |  | | | | | |
| KV CTH3 | CLBC | AB | SIL-C | SIL-CN | | | | | |
| p.425 | p.425 | p.425 | p.426 | p.426 | | | | | |

Electrical accessories | Accesorios eléctricos

| | | | | | | | | | |
|--|--|--|--|--|--|---|--|--|--|
|  |  |  |  |  |  |  |  |  |  |
| KIT-PE | CO-MASTER | REPROFIRE | REGD-1 | REG | REG VMC | REGC | REG TWIN | SFC | CRE CEP-2 |
| p.428 | p.429 | p.430 | p.431 | p.431 | p.431 | p.432 | p.432 | p.433 | p.343 |
|  |  |  |  |  |  |  |  |  |  |
| INT | INT 400 | INT 3V | INT ATEX | DPS | DPS-2 | SCO2 | DCO2 | LARIDIS | LENTICHEK |
| p.434 | p.434 | p.434 | p.434 | p.435 | p.435 | p.435 | p.435 | p.436 | p.436 |
|  | | | | | | | | | |
| IEC | | | | | | | | | |
| p.437 | | | | | | | | | |



Roof fans

Ventiladores de tejado



HTE



KIT-TE



KIT-TM



CTH3



CTH3-A



CTH4



BT ROOF 2 SB



BT ROOF 2 SBP



FOCCETA

HTE

Axial with fibreglass cowl

Helicoidal con sombrero de fibra



MANUFACTURING FEATURES

- Roof cowl made of reinforced fibreglass.
- Roof base support and bird protection guard with polyester powder finishing coat.
- Assembled on HJBM fans.
- Variable pitch angle (stopped and in origin) polyamide impeller reinforced with fibreglass.
- Squirrel cage asynchronous standard motor, IP-55 protection and rated class F insulation. Standard voltages 230V 50Hz for single phase motors, 230/400V 50Hz and for three phase motors.

APPLICATIONS

- Specially designed for roof installation, they are suitable for:
- Air renewal in buildings and industries.
 - Smoke extraction.
 - Maximum working temperature: single phase 50°C, three phase 60°C.

UNDER REQUEST

- B Form impeller (air flow from impeller to motor).
- Reversible impeller.
- Aluminium impeller. 15% additional cost.
- Special voltages.

CARACTERÍSTICAS CONSTRUCTIVAS

- Sombrerete de protección en fibra de vidrio reforzada.
- Marco soporte de adaptación a tejado y rejilla de protección antipájaros, protegido contra la corrosión con polvo de resina poliéster.
- Montados con ventiladores de la serie HJBM.
- Hélice de poliamida reforzada con fibra de vidrio de ángulo variable en paro y en origen.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes standard 230V 50Hz para motores monofásicos, 230/400 50Hz para motores trifásicos.

APLICACIONES

- Diseñados para montaje en cubierta o tejado, son indicados para:
- Renovación de aire en todo tipo de edificios e industrias.
 - Extracción de humos.
 - Temperatura máxima de trabajo en continuo: monofásicos 50°C, trifásicos 60°C.

BAJO DEMANDA

- Hélice impelente (sentido de aire hélice-motor).
- Hélice reversible.
- Hélice de aluminio. Incremento de PVP: 15%.
- Tensiones especiales.

ACCESSORIES | ACCESORIOS



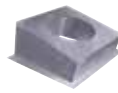
SFC pg.433

Frequency speed controller.
Variador de velocidad frecuencial.



INT pg.434

Safety switch.
Interrupción de corte.



BTI pg.410

Inclined roof support.
Base tejadillo inclinable.

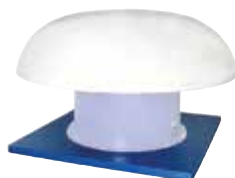
SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | Rated R.P.M | Rated I (A) 230V | Rated Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|------------|------------------|----------------|--------------------|----------------|---------------|---------------|-----------|-----------------|
| Código | Modelo | R.P.M. nominal | I nominal (A) 230V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 2673530640 | HTE 35 M4 0,12kW | 1380 | 1,15 | 0,12 | 2.640 | 44 | 15 | 874,30 |
| 2674030640 | HTE 40 M4 0,18kW | 1400 | 1,55 | 0,18 | 3.810 | 46 | 21 | 928,10 |
| 2674530640 | HTE 45 M4 0,37kW | 1400 | 2,82 | 0,37 | 5.300 | 49 | 28 | 1.143,20 |
| 2675030640 | HTE 50 M4 0,55kW | 1400 | 3,98 | 0,55 | 7.000 | 52 | 35 | 1.358,80 |
| 2675630640 | HTE 56 M4 0,75kW | 1400 | 5,21 | 0,75 | 9.210 | 58 | 42 | 1.479,40 |
| 2675730640 | HTE 56 M6 0,25kW | 870 | 2,42 | 0,25 | 5.990 | 48 | 41 | 1.495,40 |

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | Rated R.P.M | Rated I (A) | | Rated Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|------------|------------------|----------------|---------------|------|----------------|---------------|---------------|-----------|-----------------|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nominal | I nominal (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 2673560640 | HTE 35 T4 0,12kW | 1400 | 0,8 | 0,46 | 0,12 | 2.650 | 44 | 15 | 855,80 |
| 2674060640 | HTE 40 T4 0,18kW | 1400 | 1,07 | 0,62 | 0,18 | 3.810 | 46 | 21 | 922,80 |
| 2674560640 | HTE 45 T4 0,37kW | 1400 | 1,86 | 1,07 | 0,37 | 5.300 | 49 | 28 | 1.099,60 |
| 2675060640 | HTE 50 T4 0,55kW | 1400 | 2,57 | 1,49 | 0,55 | 7.000 | 52 | 35 | 1.339,20 |
| 2675660640 | HTE 56 T4 0,75kW | 1390 | 2,83 | 1,63 | 0,75 | 9.210 | 58 | 42 | 1.446,70 |
| 2675760640 | HTE 56 T6 0,25kW | 900 | 1,61 | 0,92 | 0,25 | 5.990 | 48 | 41 | 1.455,30 |

KIT TE | KIT TM



KIT TE (+ HM/HC)



KIT TM (+ HM/HC)
(+ HMF/HCF)

Roof kit for cased fans

Kit tejado para ventiladores tubulares

| MANUFACTURING FEATURES

Set that allows to install short or long cased fans on the roof protecting them from inclement weather.

KIT TE

Set consisting of:

- Cowl made of reinforced glass fiber protection cowl.
- Support framework for roof adaptation in laminated steel sheet protected against corrosion by powder coating polyester resin.
- Anti-bird protection grid protected against corrosion.
- Kit not suitable for fire (fiber cowl -20+110°C).

KIT TM

Set consisting of:

- Cowl made of galvanized sheet.
- Support framework for roof adaptation in laminated steel sheet protected against corrosion by powder coating polyester resin.
- Anti-bird protection grid protected against corrosion.
- Kit suitable for fire (metal cap).

| APPLICATIONS

Designed for roof installation, they are indicated for:

- Renovation of air in all types of buildings and industries.
- Smoke extraction.
- Contribution of clean air.
- Maximum temperature subject to installed fan.
- Suitable for air speed lower than 13 m/s.

| UNDER REQUEST

- Framework support in AISI 304,316.
- Cold galvanized steel.
- Hot galvanized steel.

| CARACTERÍSTICAS CONSTRUCTIVAS

Conjunto que permite instalar ventiladores tubulares de camisa corta/ larga en tejado protegiéndolos de las inclemencias meteorológicas.

KIT TE

Conjunto compuesto por:

- Sombrerete de protección en fibra de vidrio reforzada.
- Marco soporte de adaptación a tejado en chapa de acero laminado protegido contra la corrosión mediante recubrimiento en polvo de resina poliéster.
- Rejilla de protección antipájaros protegidos contra la corrosión.
- Kit no apto para fuego (sombbrero de fibra -20+110°C).

KIT TM

Conjunto compuesto por:

- Sombrero en chapa galvanizada.
- Marco soporte de adaptación a tejado en chapa de acero laminado protegido contra la corrosión mediante recubrimiento en polvo de resina poliéster.
- Rejilla de protección antipájaros protegidos contra la corrosión.
- Kit apto para fuego (sombbrero metálico).

| APLICACIONES

Diseñados para montaje en cubierta o tejado, son indicados para:

- Renovación de aire en todo tipo de edificios e industrias.
- Extracción de humos.
- Aportación de aire limpio.
- Temperatura máxima sujeto a ventilador instalado.
- Adecuado para velocidades de aire de hasta 13 m/s.

| BAJO DEMANDA

- Marco soporte en AISI 304,316.
- Acero galvanizado en frío.
- Acero galvanizado en caliente.

KIT TE

| Code | Model | Weight Kg | R.R.P. € |
|--------|-----------|-----------|----------|
| Código | Modelo | Peso Kg | P.V.P € |
| KTE35 | KIT TE 35 | 12 | 404,20 |
| KTE40 | KIT TE 40 | 14 | 373,80 |
| KTE45 | KIT TE 45 | 17 | 445,40 |
| KTE56 | KIT TE 56 | 30 | 636,30 |
| KTE63 | KIT TE 63 | 31 | 704,90 |
| KTE71 | KIT TE 71 | 42 | 731,70 |
| KTE80 | KIT TE 80 | 42 | 930,50 |
| KTE90 | KIT TE 90 | 52 | 1.005,40 |

KIT TM

| Code | Model | Weight Kg | R.R.P. € |
|--------|-----------|-----------|----------|
| Código | Modelo | Peso Kg | P.V.P € |
| KTM35 | KIT TM 35 | 13 | 505,20 |
| KTM40 | KIT TM 40 | 16 | 467,30 |
| KTM45 | KIT TM 45 | 19 | 534,50 |
| KTM56 | KIT TM 56 | 33 | 731,70 |
| KTM63 | KIT TM 63 | 33 | 810,70 |
| KTM71 | KIT TM 71 | 45 | 841,50 |
| KTM80 | KIT TM 80 | 45 | 1.070,10 |
| KTM90 | KIT TM 90 | 56 | 1.156,20 |

CTH3 | CTH3-A F400

F400 backward centrifugal roof fan
Centrífugo a reacción de tejado F400

CTH3

CTH3-A

MANUFACTURING FEATURES

- Roof cowl made of ABS in CTH3 version. In CTH3-A models, cowl made of aluminium.
- Structure, roof base support and bird protection guard made of galvanised steel.
- High efficiency backward curved impeller with self-cleaning system and made of in steel.
- Standard asynchronous motor with IP-55 protection and Class F insulation. Manufactured with standard voltages 230V 50Hz in single phase motors, 230/400V 50Hz in three phase motor up to 4 kW, 400/690 for higher power and single speed motors and 400V 50Hz for 2 speed motors.

APPLICATIONS

Specially designed for roof installation, they are suitable for:

- Smoke extraction.
- Smoke emergency exhaust with motor outside the hazardous area.
- Air renewal in buildings and industries.
- Industrial and professional kitchen hoods.
- Maximum continuous working temperature for CTH3: carried air 80°C, environment 60°C for three phase and 50°C for single phase motors.
- Maximum continuous working temperature for CTH3-A: carried air 110°C, environment 60°C for three phase and 50°C for single phase motors.

UNDER REQUEST

- Special voltages.
- Sparking proof fan with ATEX certified motor.
- Inox 304/316 version.
- Finishing coat C4-C5.

CARACTERÍSTICAS CONSTRUCTIVAS

- Sombrerete de protección en ABS para la versión CTH3. Modelos CTH3-A con sombrero de aluminio.
- Estructura, marco soporte de adaptación a tejado y rejilla de protección antipájaros en acero galvanizado.
- Turbinas de álabes curvados hacia atrás de alto rendimiento con sistema autolimpiante y construidas en acero.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230V 50Hz para motores monofásicos, 230/400V 50Hz para motores trifásicos para motores hasta 4 kW, 400/690 para potencias superiores para motores de una velocidad y 400V 50Hz para motores de 2 velocidades.

APLICACIONES

Diseñados para montaje en cubierta o tejado, son indicados para:

- Extracción de humos.
- Extracción de humo en caso de incendio estando el motor fuera de la zona de riesgo.
- Renovación de aire en todo tipo de edificios e industrias.
- Campanas de cocina industriales y profesionales.
- Temperatura máxima de trabajo en continuo para CTH3: aire transportado 80°C, ambiente 60°C en trifásicos y 50°C en monofásicos.
- Temperatura máxima de trabajo en continuo para CTH3-A: aire transportado 110°C, ambiente 60°C en motores trifásicos y 50°C en monofásicos.

BAJO DEMANDA

- Ventiladores para tensiones especiales.
- Ventilador antichispas con motor certificado ATEX.
- Versión en inox 304/316.
- Acabado C4-C5.

ACCESSORIES | ACCESORIOS

SFC pg.433

Frecuency speed controller. Variador de velocidad frecuencial.


INT pg.434

Safety switch. Interruptor de corte.


KV CTH3 pg.425

CTH3 vertical discharge. Descarga vertical para CTH3.


KB/KF pg.409

Fixing/tilting kit for CTH3. Kit de fijación/basculante para CTH3.


CMP pg.403

Horizontal depression damper. Compuerta depresión horizontal.


BTI pg.410

Inclined roof support. Base tejadillo inclinable.

CTH3 F400

SINGLE PHASE RANGE with plastic cowl | SERIE MONOFÁSICA con sombrero de plástico

| Code | Model | Rated R.P.M. | Rated I (A) 230 | Rated Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|--------------------|--------------|--------------------|----------------|---------------|---------------|-----------|----------|
| Código | Modelo | R.P.M. nom. | I nominal (A) 230V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € |
| 279220103 | CTH3 225 M4 0,12kW | 1380 | 1,15 | 0,12 | 750 | 37 | 9 | 747,70 |
| 279250103 | CTH3 250 M4 0,12kW | 1380 | 1,15 | 0,12 | 900 | 40 | 10 | 760,90 |
| 279280103 | CTH3 280 M4 0,12kW | 1380 | 1,15 | 0,12 | 1.550 | 44 | 11 | 772,50 |
| 279310103 | CTH3 315 M4 0,25kW | 1400 | 1,93 | 0,25 | 2.300 | 48 | 15 | 877,90 |
| 279410103 | CTH3 400 M6 0,37kW | 890 | 2,9 | 0,37 | 3.550 | 47 | 21 | 947,00 |

THREE PHASE RANGE with plastic cowl | SERIE TRIFÁSICA con sombrero de plástico

| Code | Model | Rated R.P.M. | Rated I (A) | | Rated Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|--------------------|--------------|---------------|------|----------------|---------------|---------------|-----------|----------|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I nominal (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € |
| | | | 230V | 400V | | | | | |
| 279220106 | CTH3 225 T4 0,12kW | 1400 | 0,8 | 0,46 | 0,12 | 750 | 37 | 9 | 725,90 |
| 279250106 | CTH3 250 T4 0,12kW | 1400 | 0,8 | 0,46 | 0,12 | 900 | 40 | 10 | 731,60 |
| 279280106 | CTH3 280 T4 0,12kW | 1400 | 0,8 | 0,46 | 0,12 | 1.550 | 44 | 11 | 742,80 |
| 279310106 | CTH3 315 T4 0,25kW | 1400 | 1,38 | 0,79 | 0,25 | 2.300 | 48 | 15 | 844,20 |
| 279350106 | CTH3 355 T4 0,55kW | 1400 | 2,57 | 1,49 | 0,55 | 3.400 | 53 | 19 | 861,00 |
| 279400106 | CTH3 400 T4 0,75kW | 1390 | 2,83 | 1,63 | 0,75 | 5.400 | 57 | 21 | 913,90 |
| 279450106 | CTH3 450 T4 1,1kW | 1400 | 4,33 | 2,49 | 1,1 | 7.600 | 60 | 38 | 1.091,80 |
| 279500106 | CTH3 500 T4 1,5kW | 1400 | 5,67 | 3,26 | 1,5 | 10.200 | 63 | 50 | 1.519,50 |
| 279560106 | CTH3 560 T4 3kW | 1430 | 10,7 | 6,17 | 3 | 13.200 | 66 | 55 | 1.738,90 |
| 279410106 | CTH3 400 T6 0,37kW | 900 | 2,2 | 1,27 | 0,37 | 3.550 | 47 | 21 | 910,50 |
| 279460106 | CTH3 450 T6 0,37kW | 910 | 3,39 | 1,95 | 0,37 | 4.850 | 51 | 38 | 1.084,00 |
| 279510106 | CTH3 500 T6 0,75kW | 910 | 3,39 | 1,95 | 0,75 | 6.450 | 54 | 50 | 1.538,60 |
| 279570106 | CTH3 560 T6 0,75kW | 910 | 3,39 | 1,95 | 0,75 | 8.400 | 56 | 55 | 1.698,10 |
| 279630106 | CTH3 630 T6 1,5kW | 940 | 6,45 | 3,71 | 1,5 | 12.200 | 60 | 70 | 1.872,50 |
| 279710106 | CTH3 710 T6 2,2kW | 940 | 10,3 | 5,94 | 2,2 | 19.000 | 65 | 170 | 2.237,40 |
| 279800106 | CTH3 800 T6 4kW | 960 | 16,5 | 9,46 | 4 | 25.000 | 67 | 205 | 2.690,70 |

THREE PHASE RANGE 2 SPEEDS | SERIE TRIFÁSICA 2 VELOCIDADES

| Code | Model | R.P.M. | Rated I (A) 400V | Rated Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-------------|-----------------------------|----------|--------------------|----------------|---------------|---------------|-----------|----------|
| Código | Modelo | R.P.M. | I nominal (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € |
| 2793101062V | CTH3 315 T4/T8 0,25/0,03kW | 1370/705 | 1,13/0,37 | 0,25/0,03 | 2.300/1.150 | 48 | 15,6 | 866,10 |
| 2793501062V | CTH3 355 T4/T8 0,55/0,09kW | 1410/710 | 1,77/0,61 | 0,55/0,09 | 3.400/1.700 | 53 | 19,3 | 907,60 |
| 2794001062V | CTH3 400 T4/T8 0,75/0,12kW | 1400/710 | 2,03/0,68 | 0,75/0,12 | 5.400/2.700 | 57 | 16 | 990,60 |
| 2794501062V | CTH3 450 T4/T8 1,1/0,18kW | 1400/710 | 2,67/1,08 | 1,1/0,18 | 7.600/3.800 | 60 | 29,3 | 1.165,40 |
| 2795001062V | CTH3 500 T4/T8 1,5/0,25kW | 1400/710 | 3,46/1,27 | 1,5/0,25 | 10.200/5.100 | 63 | 45,2 | 1.600,80 |
| 2795601062V | CTH3 560 T4/T8 3/0,55kW | 1430/710 | 6,53/2,33 | 3/0,55 | 13.200/6.600 | 66 | 46 | 1.847,20 |
| 2795101062V | CTH3 500 T6/T12 0,75/0,15kW | 910/450 | 2,11/0,59 | 0,75/0,15 | 6.450/3.230 | 54 | 49 | 2.240,10 |
| 2795701062V | CTH3 560 T6/T12 0,75/0,15kW | 910/450 | 2,11/0,59 | 0,75/0,15 | 8.400/4.200 | 56 | 54 | 2.399,60 |
| 2796301062V | CTH3 630 T6/T12 1,5/0,25kW | 910/450 | 3,99/0,94 | 1,5/0,25 | 12.200/6.100 | 60 | 69,5 | 2.698,30 |
| 2797101062V | CTH3 710 T6/T12 2,2/0,55kW | 930/460 | 5,98/1,65 | 2,2/0,55 | 19.000/9.500 | 65 | 162 | 3.163,40 |
| 2798001062V | CTH3 800 T6/T12 4/1kW | 960/470 | 11,77/3,39 | 4/1 | 25.000/12.500 | 67 | 190 | 3.833,30 |

CTH3-A F400

SINGLE PHASE RANGE with aluminium cowl | SERIE MONOFÁSICA con sombrero de aluminio

| Code | Model | Rated R.P.M. | Rated I (A) 230 | Rated Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|------------|----------------------|--------------|--------------------|----------------|---------------|---------------|-----------|----------|
| Código | Modelo | R.P.M. nom. | I nominal (A) 230V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € |
| 279220103A | CTH3-A 225 M4 0,12kW | 1380 | 1,15 | 0,12 | 750 | 37 | 9 | 759,00 |
| 279250103A | CTH3-A 250 M4 0,12kW | 1380 | 1,15 | 0,12 | 900 | 40 | 10 | 772,30 |
| 279280103A | CTH3-A 280 M4 0,12kW | 1380 | 1,15 | 0,12 | 1.550 | 44 | 11 | 784,10 |
| 279310103A | CTH3-A 315 M4 0,25kW | 1400 | 1,93 | 0,25 | 2.300 | 48 | 15 | 891,10 |
| 279410103A | CTH3-A 400 M6 0,37kW | 890 | 2,9 | 0,37 | 3.550 | 47 | 21 | 961,20 |

THREE PHASE RANGE with aluminium cowl | SERIE TRIFÁSICA con sombrero de aluminio

| Code | Model | Rated R.P.M. | Rated I (A) | | Rated Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|------------|----------------------|--------------|---------------|------|----------------|---------------|---------------|-----------|----------|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I nominal (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € |
| | | | 230V | 400V | | | | | |
| 279220106A | CTH3-A 225 T4 0,12kW | 1400 | 0,8 | 0,46 | 0,12 | 750 | 37 | 9 | 736,90 |
| 279250106A | CTH3-A 250 T4 0,12kW | 1400 | 0,8 | 0,46 | 0,12 | 900 | 40 | 10 | 742,50 |
| 279280106A | CTH3-A 280 T4 0,12kW | 1400 | 0,8 | 0,46 | 0,12 | 1.550 | 44 | 11 | 754,00 |
| 279310106A | CTH3-A 315 T4 0,25kW | 1400 | 1,38 | 0,79 | 0,25 | 2.300 | 48 | 15 | 856,80 |
| 279350106A | CTH3-A 355 T4 0,55kW | 1400 | 2,57 | 1,49 | 0,55 | 3.400 | 53 | 19 | 874,00 |
| 279400106A | CTH3-A 400 T4 0,75kW | 1390 | 2,83 | 1,63 | 0,75 | 5.400 | 57 | 21 | 927,60 |
| 279450106A | CTH3-A 450 T4 1,1kW | 1400 | 4,33 | 2,49 | 1,1 | 7.600 | 60 | 38 | 1.108,10 |
| 279500106A | CTH3-A 500 T4 1,5kW | 1400 | 5,67 | 3,26 | 1,5 | 10.200 | 63 | 50 | 1.542,20 |
| 279560106A | CTH3-A 560 T4 3kW | 1430 | 10,7 | 6,17 | 3 | 13.200 | 66 | 55 | 1.765,00 |
| 279410106A | CTH3-A 400 T6 0,37kW | 900 | 2,2 | 1,27 | 0,37 | 3.550 | 47 | 21 | 924,20 |
| 279460106A | CTH3-A 450 T6 0,37kW | 910 | 3,39 | 1,95 | 0,37 | 4.850 | 51 | 38 | 1.100,10 |
| 279510106A | CTH3-A 500 T6 0,75kW | 910 | 3,39 | 1,95 | 0,75 | 6.450 | 54 | 50 | 1.561,80 |
| 279570106A | CTH3-A 560 T6 0,75kW | 910 | 3,39 | 1,95 | 0,75 | 8.400 | 56 | 55 | 1.723,50 |
| 279630106A | CTH3-A 630 T6 1,5kW | 940 | 6,45 | 3,71 | 1,5 | 12.200 | 60 | 70 | 1.900,70 |
| 279710106A | CTH3-A 710 T6 2,2kW | 940 | 10,3 | 5,94 | 2,2 | 19.000 | 65 | 170 | 2.270,80 |
| 279800106A | CTH3-A 800 T6 4kW | 960 | 16,5 | 9,46 | 4 | 25.000 | 67 | 205 | 2.730,90 |
| 279900106A | CTH3-A 900 T6 11kW | 965 | - | 22,6 | 11 | 35.000 | 72 | 250 | 4.226,70 |
| 279100106A | CTH3-A 1000 T8 7,5kW | 725 | - | 17 | 7,5 | 40.600 | 66 | 275 | 4.745,90 |

THREE PHASE RANGE 2 SPEEDS | SERIE TRIFÁSICA 2 VELOCIDADES

| Code | Model | R.P.M | Rated I (A) 400V | Rated Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|--------------|-------------------------------|----------|--------------------|----------------|---------------|---------------|-----------|-----------------|
| Código | Modelo | R.P.M | I nominal (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € |
| 279310106A2V | CTH3-A 315 T4/T8 0,25/0,03kW | 1370/705 | 1,13/0,37 | 0,25/0,03 | 2.300/1.150 | 48 | 15,6 | 878,70 |
| 279350106A2V | CTH3-A 355 T4/T8 0,55/0,09kW | 1410/710 | 1,77/0,61 | 0,55/0,09 | 3.400/1.700 | 53 | 19,3 | 920,60 |
| 279400106A2V | CTH3-A 400 T4/T8 0,75/0,12kW | 1400/710 | 2,03/0,68 | 0,75/0,12 | 5.400/2.700 | 57 | 16 | 1.004,30 |
| 279450106A2V | CTH3-A 450 T4/T8 1,1/0,18kW | 1400/710 | 2,67/1,08 | 1,1/0,18 | 7.600/3.800 | 60 | 29,3 | 1.181,70 |
| 279500106A2V | CTH3-A 500 T4/T8 1,5/0,25kW | 1400/710 | 3,46/1,27 | 1,5/0,25 | 10.200/5.100 | 63 | 45,2 | 1.623,50 |
| 279560106A2V | CTH3-A 560 T4/T8 3/0,55kW | 1430/710 | 6,53/2,33 | 3/0,55 | 13.200/6.600 | 66 | 46 | 1.873,30 |
| 279510106A2V | CTH3-A 500 T6/T12 0,75/0,15kW | 910/450 | 2,11/0,59 | 0,75/0,15 | 6.450/3.230 | 54 | 49 | 2.263,30 |
| 279570106A2V | CTH3-A 560 T6/T12 0,75/0,15kW | 910/450 | 2,11/0,59 | 0,75/0,15 | 8.400/4.200 | 56 | 54 | 2.425,00 |
| 279630106A2V | CTH3-A 630 T6/T12 1,5/0,25kW | 910/450 | 3,99/0,94 | 1,5/0,25 | 12.200/6.100 | 60 | 69,5 | 2.726,50 |
| 279710106A2V | CTH3-A 710 T6/T12 2,2/0,55kW | 930/460 | 5,98/1,65 | 2,2/0,55 | 19.000/9.500 | 65 | 162 | 3.196,80 |
| 279800106A2V | CTH3-A 800 T6/T12 4/1kW | 960/470 | 11,77/3,39 | 4/1 | 25.000/12.500 | 67 | 190 | 3.873,50 |

KIT - PE

OVERPRESSURE KIT | KIT SOBREPRESIÓN > KIT-PE



- > Easy installation | Fácil instalación
- > Compact solution | Solución compacta
- > Preventive maintenance | Mantenimiento preventivo
- > Easy start-up (plug&play) | Fácil puesta en marcha
- > Secure installation | Instalación segura

> THREE PHASE RANGE | TRIFÁSICOS

> KIT - PE



> SINGLE PHASE RANGE | MONOFÁSICOS

> REG VMC + DPS BASIC



CTH4

Roof fan, vertical discharge

Ventilador de tejado con descarga vertical



MANUFACTURING FEATURES

- Fan made of steel with polyester powder finishing coat.
- High efficiency backward impeller with self-cleaning system of steel.
- Standard asynchronous motor with IP-55 protection and Class F insulation. Manufactured with standard voltages: 230/400V 50Hz three phase motors.

APPLICATIONS

Specially designed for roof installation, with vertical discharge without any additional kit, they are suitable for:

- Smoke extraction
- Air renewal in buildings and industries.
- Industrial and professional kitchen hoods.
- Maximum continuous operation temperature: 110°C (fluido).
- Maximum ambient temperature: 60°C.
- Cinemas.

UNDER REQUEST

- Version made of inox 304/316.
- Finishing C4-C5.
- Special voltages.
- ATEX version.

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador fabricado en acero protegido contra la corrosión mediante recubrimiento en polvo de resina de poliéster.
- Turbinas de álabes curvados hacia atrás (a reacción) de alto rendimiento con sistema autolimpiante construidas en acero.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes standard 230/400 50Hz motores trifásicos.

APLICACIONES

Diseñados para montaje en cubierta o tejado, con descarga vertical sin necesidad de ningún kit adicional, son indicados para:

- Extracción de humos.
- Renovación de aire en todo tipo de edificios e industrias.
- Campanas de cocina industriales y profesionales.
- Temperatura máxima de trabajo en continuo: 110°C (fluido).
- Temperatura máxima ambiente: 60°C.
- Palomeras y cines.

BAJO DEMANDA

- Versión en inox 304/316.
- Acabado C4-C5.
- Ventilador para tensiones especiales.
- Versión ATEX.

ATEX OPTIONS UNDER REQUEST | OPCIONES ATEX BAJO DEMANDA

Three-phase MOTOR explosion-proof under the ATEX 2014/34/EU Directive for working temperatures from -20°C to +40°C.

MOTORES trifásicos antiexplosivos bajo Directiva ATEX 2014/34/UE para temperaturas de trabajo de -20°C a +40°C.

- ATEX Explosion-proof for GAS | ATEX Antideflagrantes para GAS

ⓈII2G Ex-d IIB T4 IP66

ⓈII2G Ex-d IIC T4 IP66 (OPTIONAL PTC PROBE | SONDA PTC OPCIONAL)

ⓈII2G Ex-d IIC T5 IP66

- ATEX Increased security for GAS | ATEX Seguridad aumentada para GAS:

ⓈII2G Ex-e T3 IP55

- ATEX Protection "n" for GAS | ATEX Protección "n" para GAS:

ⓈII3G Ex-nA IIC T4 Gc

- ATEX Protection "n" for GAS and NON-CONDUCTIVE DUST |

ATEX Protección "n" para GAS y POLVO NO CONDUCTOR:

ⓈII3GD Ex-na IIC T4 Gc Ex-tc IIB T125° IP55 ZONA 22

- ATEX Explosion-proof for GAS and DUST | ATEX Antideflagrantes para GAS y POLVO:

ⓈII2GD Ex-d IIC T4 IP66

ⓈII2GD Ex-d IIC T5 IP66

- ATEX Increased security for DUST | ATEX Seguridad aumentada para POLVO:

ⓈII3D Ex-e Dc

- ATEX Protection by enclosure for DRIVER DUST | ATEX Protección por recinto para POLVO CONDUCTOR:

ⓈII3D Ex-tc IIC T125° Dc IP55 ZONA 22

To carry out the selection of an ATEX fan, please use the curves that you will find in the Fanware by Casals selection software. The electrical data of these ATEX models can be modified.

Para llevar a cabo la selección de un ventilador ATEX, por favor use las curvas que encontrará en el programa de selección Fanware by Casals. Los datos eléctricos de estos Modelos ATEX pueden verse modificados.

ACCESSORIES | ACCESORIOS



SFC pg.433

Frequency speed controller.
Variador de velocidad frecuencial.



INT pg.434

Safety switch.
Interruptor de corte.



BTI pg.410

Inclined roof support.
Base tejadillo inclinable.

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | R.P.M. | Rated I (A) 400V | Rat.Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|--------------------|--------|--------------------|-------------|---------------|---------------|-----------|----------|
| Código | Modelo | R.P.M. | I nominal (A) 400V | P. Nom. kW | Q máx m³/h | Sonido dB (A) | Peso Kg | P.V.P. € |
| 278310106 | CTH4 315 T4 0,25kW | 1400 | 0,79 | 0,25 | 2.180 | 48 | 16 | 942,60 |
| 278350106 | CTH4 355 T4 0,55kW | 1400 | 1,49 | 0,55 | 3.590 | 52 | 20 | 961,40 |
| 278400106 | CTH4 400 T4 0,75kW | 1390 | 1,63 | 0,75 | 5.310 | 56 | 22 | 1.051,00 |
| 278450106 | CTH4 450 T4 1,1kW | 1400 | 2,49 | 1,10 | 7.530 | 60 | 40 | 1.255,50 |
| 278500106 | CTH4 500 T4 1,5kW | 1400 | 3,26 | 1,50 | 10.000 | 63 | 53 | 1.747,40 |
| 278560106 | CTH4 560 T4 3kW | 1430 | 6,17 | 3 | 12.950 | 65 | 58 | 1.999,80 |
| 278410106 | CTH4 400 T6 0,37kW | 900 | 1,27 | 0,37 | 3.420 | 47 | 22 | 1.056,30 |
| 278460106 | CTH4 450 T6 0,37kW | 910 | 1,27 | 0,37 | 4.890 | 51 | 40 | 1.257,30 |
| 278510106 | CTH4 500 T6 0,75kW | 910 | 1,95 | 0,75 | 6.490 | 53 | 53 | 1.784,80 |
| 278570106 | CTH4 560 T6 0,75kW | 910 | 1,95 | 0,75 | 8.430 | 56 | 58 | 1.969,80 |
| 278630106 | CTH4 630 T6 1,5kW | 940 | 3,71 | 1,50 | 12.170 | 60 | 74 | 2.209,70 |
| 278710106 | CTH4 710 T6 2,2kW | 940 | 5,94 | 2,20 | 18.980 | 64 | 106 | 2.640,10 |
| 278800106 | CTH4 800 T6 4kW | 960 | 9,46 | 4 | 24.950 | 67 | 113 | 3.175,00 |

BT ROOF 2 SB | SBP

Centrifugal roof fan, backward impeller, horizontal discharge
Centrífugo de tejado, impulsión horizontal

BT ROOF SB

BT ROOF SBP

MANUFACTURING FEATURES

- Galvanized steel sheet housing with square plate base.
- Base with tabs version is BT ROOF SBP, or flat base without tabs is BT ROOF SB.
- Housing protected with polymeric black coat.
- Connection box at the bottom of base.
- Centrifugal backward impeller directly coupled.
- Variable speed by voltage.
- Asynchronous external rotor of low sound level with thermal protector and greased for life ball bearings with automatic restart. IP-44 protection. Standard voltages single phase motor 230V 50Hz.

APPLICATIONS

- Specially designed for roof installation, they are suitable for:
- Air renewal in bathrooms and small closed environments.
 - Maximum continuous working temperature: 50°C.

CARACTERÍSTICAS CONSTRUCTIVAS

- Carcasa de acero galvanizado con base cuadrada.
- Versión de base con pestañas BT ROOF SBP, o plana sin pestañas BT ROOF SB.
- Protegidos contra la corrosión mediante recubrimiento polimérico negro.
- Caja de conexiones en la parte inferior de la base.
- Ventilador centrífugo a reacción acoplado directamente.
- Velocidad variable por voltaje.
- Motor asíncrono de rotor exterior de bajo nivel sonoro que incluye protector térmico con reinicio automático. Protección IP-44. Voltajes estándar motor monofásico 230V 50Hz.

APLICACIONES

- Diseñados para montaje en cubierta o tejado, son indicados para:
- Renovación de aire en baños y locales pequeños cerrados.
 - Temperatura máxima de trabajo en continuo: 50°C.

ACCESSORIES | ACCESORIOS

INT pg.434

Safety switch.
Interrupor de corte.


REG pg.431

Single phase manual speed controller.
Regulador de velocidad manual monofásico.


REG VMC pg.431

Single phase voltage regulator with 0-10v entrance.
Regulador de voltaje monofásico con entrada 0-10V.


REGD-1 pg.431

Speed controller.
Regulador de velocidad.

SINGLE PHASE RANGE BT ROOF 2 SB | SERIE MONOFÁSICA BT ROOF 2 SB

| Code | Model | Rated R.P.M. | Rated I (A) 230V | Rated Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|------------------|--------------|--------------------|----------------|---------------|---------------|-----------|---------------|
| Código | Modelo | R.P.M. nom. | I nominal (A) 230V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 509301500 | BT ROOF 2 150 SB | 2705 | 0,43 | 0,098 | 555 | 45 | 8,2 | 293,60 |
| 509302000 | BT ROOF 2 200 SB | 2375 | 0,67 | 0,154 | 950 | 51 | 9,3 | 330,90 |
| 509302500 | BT ROOF 2 250 SB | 2790 | 0,85 | 0,194 | 1.310 | 48 | 12,3 | 350,00 |
| 509303150 | BT ROOF 2 315 SB | 2720 | 1,34 | 0,296 | 1.880 | 51 | 12,2 | 478,00 |

SINGLE PHASE RANGE BT ROOF 2 SBP | SERIE MONOFÁSICA BT ROOF 2 SBP

| Code | Model | Rated R.P.M. | Rated I (A) 230V | Rated Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|------------|-------------------|--------------|--------------------|----------------|---------------|---------------|-----------|---------------|
| Código | Modelo | R.P.M. nom. | I nominal (A) 230V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 509301500P | BT ROOF 2 150 SBP | 2705 | 0,43 | 0,098 | 555 | 45 | 8,2 | 308,20 |
| 509302000P | BT ROOF 2 200 SBP | 2375 | 0,67 | 0,154 | 950 | 51 | 9,3 | 347,40 |
| 509302500P | BT ROOF 2 250 SBP | 2790 | 0,85 | 0,194 | 1.310 | 48 | 12,3 | 367,60 |
| 509303150P | BT ROOF 2 315 SBP | 2720 | 1,34 | 0,296 | 1.880 | 51 | 12,2 | 501,90 |

FOCCETA

Centrifugal roof fan, special for barbecues and fireplaces

Centrífugo de tejado, especial para barbacoas y hogares



MANUFACTURING FEATURES

- Steel motor cover with hammered texture. Polyester powder coated in black colour.
- Backward curved impeller with self-cleaning aluminium blades, dynamically balanced (UNI ISO 1940, Point 1 – Class 6.3).
- Protection grid with anti-bird rings (in accordance with UNI ISO 13857 standard), made of electrically welded steel and black epoxy finishing coat.
- Base made of embossed steel, covered with epoxy to guarantee great resistance to long-term atmospheric agents.
- Aerodynamic shape for optimum performance, in one piece to optimize the air flow.
- Sub-frame for fixing the unit to the chimney.
- Equipped with steel safety wire for anchoring the appliance once installed.
- Class I and IP X4 asynchronous motor, with standard voltage 230V 50/60Hz, with thermal protector and ball bearings.

APPLICATIONS

- Specially designed for smoke extraction use at a continuous operating temperature up to 200 °C in fireplaces and barbecues.

CARACTERÍSTICAS CONSTRUCTIVAS

- Cubierta del motor de acero gofrado con recubrimiento de polvo de poliéster de color negro.
- Turbina de álabes curvados hacia atrás (a reacción) autolimpiantes fabricados en aluminio, equilibrada dinámicamente (UNI ISO 1940, punto 1 - Clase 6.3).
- Rejilla de protección antipájaros con anillos (según UNI ISO 13857 estándar) fabricada en acero soldado y acabado en pintura epoxy de color negro.
- Base fabricada en acero gofrado, recubierta de epoxy que garantiza gran resistencia a los agentes atmosféricos a largo plazo.
- Forma aerodinámica para un óptimo rendimiento, de una sola pieza para optimizar el flujo del aire.
- Subchasis para fijar el aparato a la chimenea.
- Equipado con cable de seguridad de acero para anclar el dispositivo una vez instalado.
- Motor asíncrono clase I e IP X4, con voltaje estándar 230V 50/60Hz, con protector térmico y rodamientos de bolas.

APLICACIONES

- Especialmente diseñado para extracción de humo de hasta 200°C de chimeneas y barbacoas.

ACCESSORIES | ACCESORIOS



INT pg.434

Safety switch.
Interruptor de corte.



REG pg.431

Single phase manual speed controller.
Regulador de velocidad manual monofásico.

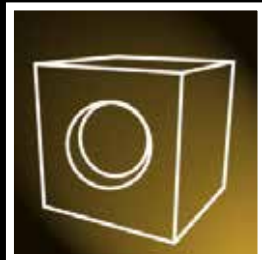


REG VMC pg.431

Single phase voltage regulator with 0-10v entrance.
Regulador de voltaje monofásico con entrada 0-10V.

SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | Rated R.P.M. | Rated I (A) 230V | Rat.Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|---------|--------------|--------------------|-------------|---------------|---------------|-----------|---------------|
| Código | Modelo | R.P.M. nom. | I nominal (A) 230V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € |
| 510117039 | FOCCETA | 1400 | 0,5 | 0,12 | 750 | 52 | 18,5 | 587,70 |



Cabinet fans

Cajas de ventilación



SB | SBC-2

Centrifugal low profile box with external rotor motor

Centrífugo en caja de bajo perfil, motor de rotor exterior



SB-2



SBC-2

MANUFACTURING FEATURES

- Box manufactured in galvanized sheet soundproof cabinets with thermo-acoustic insulation, Bs1 d0 fire class.
- Rectangular (SB-2) or circular (SBC-2) connection flanges.
- Asynchronous external rotor, which includes thermal protector and ball bearings permanently greased. IP-44 protection and insulation class B according to DIN 40.050 h1. Standard voltage 230V 50Hz.

APPLICATIONS

Designed for inline installation, they are suitable for:

- Air renewal in bathrooms and small premises.
- Perfect for installing in false ceilings or open.
- Maximum continuous working temperature: 50°C.

CARACTERÍSTICAS CONSTRUCTIVAS

- Caja construida en chapa galvanizada aislada con aislamiento térmico y acústico con clasificación al fuego Bs1 d0.
- Bidas de conexión rectangulares (SB-2) o circulares (SBC-2).
- Motor asíncrono de rotor exterior, que incluye protector térmico y rodamientos a bolas de engrase permanente. Protección IP-44 y aislamientos clase B según DIN 40.050 h1. Voltaje estándar 230V 50Hz.

APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Renovación de aire en baños y locales pequeños.
- Perfectos para montaje en falso techo o en intemperie.
- Temperatura máxima de trabajo en continuo: 50°C.



ACCESSORIES | ACCESORIOS



INT pg.434

Safety switch.
Interruptor de corte.



REGD-1 pg.431

Speed controller.
Regulador de velocidad.



REG pg.431

Single phase manual speed controller.
Regulador de velocidad manual monofásico.



REG VMC pg.431

Single phase voltage regulator with 0-10v entrance.
Regulador de voltaje monofásico con entrada 0-10V.



CPCC+FILTERS pg.406

Filter-support casing for circular duct (SBC).
Cajón de portafiltras para conducto circular (SBC).

SB-2 SINGLE PHASE RANGE | SB-2 SERIE MONOFÁSICA

| Code | Model | Rated R.P.M. | Rated I (A) 230V | Rat.Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|----------|--------------|--------------------|-------------|---------------|--------------|-----------|----------|
| Código | Modelo | R.P.M. nom. | I nominal (A) 230V | P. Nom. kW | Q máx. m³/h | Sonido dB(A) | Peso Kg | P.V.P. € |
| 240160243 | SB-2 160 | 2290 | 0,27 | 0,061 | 410 | 39 | 10 | 245,40 |
| 240200243 | SB-2 200 | 2480 | 0,42 | 0,1 | 770 | 43 | 13,5 | 282,80 |
| 240250243 | SB-2 250 | 2530 | 0,82 | 0,19 | 1.120 | 48 | 17,5 | 300,20 |
| 240280243 | SB-2 280 | 2480 | 1,05 | 0,242 | 1.580 | 52 | 23,5 | 318,50 |
| 240310243 | SB-2 315 | 1400 | 0,6 | 0,135 | 1.550 | 36 | 26 | 494,50 |
| 240350243 | SB-2 355 | 1400 | 0,75 | 0,165 | 2.120 | 36 | 35 | 631,50 |
| 240400243 | SB-2 400 | 1400 | 1,5 | 0,26 | 2.490 | 39 | 51 | 845,40 |

SBC-2 SINGLE PHASE RANGE | SBC-2 SERIE MONOFÁSICA

| Code | Model | Rated R.P.M. | Rated I (A) 230V | Rat.Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|------------|-----------|--------------|--------------------|-------------|---------------|---------------|-----------|----------|
| Código | Modelo | R.P.M. nom. | I nominal (A) 230V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € |
| 240160243C | SBC-2 160 | 2290 | 0,27 | 0,06 | 310 | 39 | 10 | 245,40 |
| 240200243C | SBC-2 200 | 2480 | 0,42 | 0,1 | 590 | 43 | 13,5 | 282,80 |
| 240250243C | SBC-2 250 | 2530 | 0,82 | 0,19 | 900 | 48 | 17,5 | 300,20 |
| 240280243C | SBC-2 280 | 2480 | 1,05 | 0,24 | 1.220 | 52 | 23,5 | 318,50 |
| 240310243C | SBC-2 315 | 1400 | 0,6 | 0,14 | 1.080 | 36 | 26 | 494,50 |
| 240350243C | SBC-2 355 | 1400 | 0,75 | 0,17 | 1.500 | 36 | 35 | 631,50 |
| 240400243C | SBC-2 400 | 1400 | 1,2 | 0,26 | 1.820 | 39 | 51 | 845,40 |

SB | SBC FILTER

Centrifugal low profile box with filters, external rotor motor

Centrífugo en caja bajo perfil con filtros, motor de rotor exterior



SB FILTER



SBC FILTER



MANUFACTURING FEATURES

- Box manufactured in galvanized sheet soundproof cabinets with thermo-acoustic insulation, Bs1 d0 fire class.
- Rectangular (SB-2) or circular (SBC-2) connection flanges.
- Supplied with two filtration stages ISO COARSE >90% (G4) and ISO EPM1 70% (F7).
- Asynchronous external rotor, which includes thermal protector and ball bearings permanently greased. IP-44 protection and insulation class B according to DIN 40.050 h1. Standard voltage 230V 50Hz.

APPLICATIONS

- Designed for inline installation, they are suitable for:
- Air renewal in bathrooms and small premises.
 - Perfect for installing in false ceilings or outside.
 - Maximum working temperature: 50°C.

CARACTERÍSTICAS CONSTRUCTIVAS

- Caja construida en chapa galvanizada aisladas con aislamiento térmico y acústico con clasificación al fuego Bs1d0.
- Bridas de conexión rectangulares (SB-2) o circulares (SBC-2).
- Suministrado con dos etapas de filtración ISO COARSE >90% (G4) y ISO EPM1 70% (F7).
- Motor asíncrono de rotor exterior, que incluye protector térmico y rodamientos a bolas de engrase permanente. Protección IP-44 y aislamientos clase B según DIN 40.050 h1. Voltaje estándar 230V 50Hz.

APLICACIONES

- Diseñados para instalación en conducto, son indicados para:
- Renovación de aire en baños y locales pequeños.
 - Perfectos para montaje en falso techo o en intemperie.
 - Temperatura máxima de trabajo en continuo: 50°C.

ACCESSORIES | ACCESORIOS

INT pg.434



Safety switch.
Interruptor de corte.

REGD-1 pg.431



Speed controller.
Regulador de velocidad.

REG pg.431



Single phase manual speed controller.
Regulador de velocidad manual monofásico.

REG VMC pg.431



Single phase voltage regulator with 0-10v entrance.
Regulador de voltaje monofásico con entrada 0-10V.

CPCC+FILTERS pg.406



Filter-support casing for circular duct (SBC).
Cajón de portafiltros para conducto circular (SBC).

FILTERS pg.404



SB filters | filtros SB
ePM10 50%, ISO ePM1 70%, ISO Coarse >90%, ISO ePM1 >80%.

SB FILTER SINGLE PHASE RANGE | SB FILTER SERIE MONOFÁSICA

| Code | Model | Rated R.P.M. | Rated I (A) 230V | Rat.Pow. kW | Air flow m³/h | Sound dB(A) | Weight Kg | R.R.P. € |
|------------|---------------|--------------|--------------------|-------------|---------------|--------------|-----------|----------|
| Código | Modelo | R.P.M. nom. | I nominal (A) 230V | P. Nom. kW | Q máx. m³/h | Sonido dB(A) | Peso Kg | P.V.P. € |
| 240160243F | SB FILTER 160 | 2290 | 0,27 | 0,061 | 410 | 39 | 13,5 | 441,80 |
| 240200243F | SB FILTER 200 | 2480 | 0,42 | 0,1 | 780 | 43 | 17 | 509,00 |
| 240250243F | SB FILTER 250 | 2530 | 0,82 | 0,19 | 1.140 | 48 | 21 | 540,20 |
| 240280243F | SB FILTER 280 | 2480 | 1,05 | 0,242 | 1.560 | 52 | 27 | 573,30 |
| 240310243F | SB FILTER 315 | 1380 | 0,6 | 0,135 | 1.550 | 36 | 32 | 890,20 |
| 240350243F | SB FILTER 355 | 1400 | 0,75 | 0,165 | 2.170 | 36 | 40 | 1.136,50 |
| 240400243F | SB FILTER 400 | 1350 | 1,5 | 0,26 | 2.490 | 39 | 60 | 1.521,70 |

* data without filter / datos sin filtro

SBC FILTER SINGLE PHASE RANGE | SBC FILTER SERIE MONOFÁSICA

| Code | Model | Rated R.P.M. | Rated I (A) 230V | Rat.Pow. kW | Air flow m³/h | Sound dB(A) | Weight Kg | R.R.P. € |
|-------------|----------------|--------------|--------------------|-------------|---------------|--------------|-----------|----------|
| Código | Modelo | R.P.M. nom. | I nominal (A) 230V | P. Nom. kW | Q máx. m³/h | Sonido dB(A) | Peso Kg | P.V.P. € |
| 240160243CF | SBC FILTER 160 | 2290 | 0,27 | 0,06 | 320 | 39 | 13,5 | 441,80 |
| 240200243CF | SBC FILTER 200 | 2480 | 0,42 | 0,1 | 590 | 43 | 17 | 509,00 |
| 240250243CF | SBC FILTER 250 | 2530 | 0,82 | 0,19 | 860 | 48 | 21 | 540,20 |
| 240280243CF | SBC FILTER 280 | 2480 | 1,05 | 0,24 | 1.230 | 52 | 27 | 573,30 |
| 240310243CF | SBC FILTER 315 | 1380 | 0,6 | 0,14 | 1.070 | 36 | 32 | 890,20 |
| 240350243CF | SBC FILTER 355 | 1400 | 0,75 | 0,17 | 1.520 | 36 | 40 | 1.136,50 |
| 240400243CF | SBC FILTER 400 | 1350 | 1,2 | 0,26 | 1.820 | 39 | 60 | 1.521,70 |

* data without filter / datos sin filtro

SB | SBC EEC PLUS

Soundproof centrifugal low profile box, EC motor

Centrífugo en caja insonorizada de bajo perfil, motor EC



SB EEC PLUS



SBC EEC PLUS

MANUFACTURING FEATURES

- Ventilation box with 30 mm aluminum profile structure, nylon corners, galvanized sandwich panels with internal insulation rockwool (25mm thickness) class A1 (non-combustible) of 90kg/m³ density.
- Polyamide reinforced impeller for models 200 and 250 and aluminum plate for the rest.
- Rectangular (SB-2) or circular (SBC-2) connection flanges.
- Motor-efficient technology EC (electronically commutated). IP-44 protection and insulation class B. Standard voltage 230V 50/60Hz.

APPLICATIONS

- Designed for inline installation, they are suitable for:
- Air renewal in bathrooms and small premises.
 - Perfect for installing in false ceilings or open.
 - Maximum continuous working temperature: 45°C.

CARACTERÍSTICAS CONSTRUCTIVAS

- Caja de ventilación con estructura de perfil de aluminio de 30 mm, esquinas de nylon y panel sándwich de acero galvanizado con aislamiento interno de lana de roca de 25 mm de espesor clase A1 (no combustible) y 90 kg/m³ de densidad.
- Turbina de poliamida reforzada para los modelos 200 y 250 y chapa de aluminio para el resto.
- Bridas de conexión rectangulares (SB-2) o circulares (SBC-2).
- Motor bajo consumo con tecnología EC (conmutación electrónica). Protección IP-44 y aislamientos clase B. Voltaje estándar 230V 50/60Hz.

APLICACIONES

- Diseñados para instalación en conducto, son indicados para:
- Renovación de aire en baños y locales pequeños.
 - Perfectos para montaje en falso techo o en intemperie.
 - Temperatura máxima de trabajo en continuo: 45°C.

ACCESSORIES | ACCESORIOS



INT pg.434

Safety switch.
Interruptor de corte.



REGC pg.431

Air flow controller for EEC motors.
Regulador de caudal para motores EEC.



CPCC+FILTERS pg.406

Filter-support casing for circular duct (SBC).
Cajón de portafiltros para conducto circular (SBC).



TEJ pg.421

Weather protective roof for ventilation boxes.
Tejadillo intemperie para cajas de ventilación.

SB PLUS EEC SINGLE PHASE RANGE | SB PLUS EEC SERIE MONOFÁSICA

| Code | Model | Rated R.P.M. | Rated I (A) 230V | Rat.Pow. kW | Air flow m ³ /h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|-----------------|--------------|--------------------|-------------|----------------------------|---------------|-----------|----------|
| Código | Modelo | R.P.M. nom. | I nominal (A) 230V | P. Nom. kW | Q máx. m ³ /h | Sonido dB (A) | Peso Kg | P.V.P. € |
| 240200443 | SB 200 PLUS EEC | 3980 | 1,08 | 0,135 | 660 | 42 | 25 | 687,20 |
| 240250443 | SB 250 PLUS EEC | 3600 | 1,28 | 0,166 | 1.050 | 42 | 31 | 729,20 |
| 240310443 | SB 315 PLUS EEC | 1920 | 1,35 | 0,175 | 1.930 | 32 | 48 | 1.201,70 |
| 240350443 | SB 355 PLUS EEC | 2460 | 1,70 | 0,38 | 2.470 | 41 | 60 | 1.534,20 |

SBC PLUS EEC SINGLE PHASE RANGE | SBC PLUS EEC SERIE MONOFÁSICA

| Code | Model | Rated R.P.M. | Rated I (A) 230V | Rat.Pow. kW | Air flow m ³ /h | Sound dB (A) | Weight Kg | R.R.P. € |
|------------|------------------|--------------|--------------------|-------------|----------------------------|---------------|-----------|----------|
| Código | Modelo | R.P.M. nom. | I nominal (A) 230V | P. Nom. kW | Q máx. m ³ /h | Sonido dB (A) | Peso Kg | P.V.P. € |
| 240200443C | SBC 200 PLUS EEC | 3980 | 1,08 | 0,135 | 620 | 42 | 25 | 687,20 |
| 240250443C | SBC 250 PLUS EEC | 3600 | 1,28 | 0,166 | 920 | 42 | 31 | 729,20 |
| 240310443C | SBC 315 PLUS EEC | 1920 | 1,35 | 0,175 | 1.650 | 32 | 48 | 1.201,70 |
| 240350443C | SBC 355 PLUS EEC | 2460 | 1,70 | 0,38 | 2.030 | 41 | 60 | 1.534,20 |

BOX HB | HBA

Axial in soundproof cabinet Helicoidal en caja insonorizada



BOX HB



BOX HBA



MANUFACTURING FEATURES

• BOX: soundproof cabinets with thermo-acoustic insulation, Bs1d0 fire class. Easy motor access and fan maintenance through removable panels.

Internal fan:

- HB: axial fan, circular reinforced frame in sizes from 45 to 80. The internal fan for sizes from 90 to 125 it is a HC. Motor-impeller assembly through a modular system. Variable pitch angle polyamide impeller reinforced with fibreglass. Epoxy powder finishing coat.
- HBA: axial fan, circular reinforced frame in sizes from 45 to 80. The internal fan for sizes from 90 to 125 it is a HCA. Motor-impeller assembly through a modular system. Cast aluminium impeller with variable pitch angle. Polyester powder finishing coat.
- Squirrel cage asynchronous standard motor, IP- 55 protection and rated class F insulation. Standard voltages 230V 50Hz for single phase motors, 230/400V 50Hz for three phase motors up to 4kW, and 400/690V 50Hz for higher powers 1 speed and 400V for 2 speeds motors.

APPLICATIONS

Designed for wall or duct installation, they are suitable for:

- Air renewal in buildings and industries.
- Smoke extraction (max. 45-50°C).
- Maximum working temperature: single phase 50°C, three phase 60°C.

UNDER REQUEST

- B form impeller (air flow from impeller to motor). 5% additional cost.
- 100% reversible impeller. 5% additional cost.
- Special voltages.

CARACTERÍSTICAS CONSTRUCTIVAS

• BOX: Caja construida en chapa de acero galvanizado aislada con aislamiento térmico y acústico con clasificación al fuego Bs1d0. Paneles laterales desmontables para facilitar el acceso al motor y el mantenimiento.

Ventilador Interior:

- HB: ventilador helicoidal de marco redondo reforzado con nervio intermedio para tamaños del 45 al 80. Para tamaños del 90 al 125 es un HC. Montaje modular del conjunto motor hélice que permite una total versatilidad en caso de cualquier cambio. Hélice de poliamida reforzada con fibra de vidrio de ángulo variable en origen. Protegidos contra la corrosión mediante recubrimiento en polvo de resina poliéster.
- HBA: ventilador helicoidal con mismas características constructivas que HB pero con hélice de aluminio para tamaños del 45 al 80. Para tamaños del 90 al 125 es un HCA. Montaje modular del conjunto motor hélice.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230V 50Hz para motores monofásicos, 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores de 1 velocidad 400V para 2 velocidades.

APLICACIONES

Diseñados para montaje en pared o en conducto, son indicados para:

- Renovación de aire en todo tipo de edificios e industrias.
- Extracción de humos (máx. 45-50°C).
- Temperatura máxima de trabajo en continuo: monofásicos 50°C, trifásicos 60°C.

BAJO DEMANDA

- Hélice impelente (sentido de aire hélice-motor). Incremento de PVP: 5%
- Hélice reversible 100%. Incremento de PVP: 5%.
- Tensiones especiales.

ACCESSORIES | ACCESORIOS



INT pg.434

Safety switch.
Interruptor de corte.



SFC pg.433

Frecuency speed controller.
Variador de velocidad frecuencial.



JE 45 pg.416

Flexible joint.
Junta elástica.

POLYAMIDE IMPELLER | HÉLICE DE POLIAMIDA (BOX HB)

SINGLE PHASE RANGE 4 POLE | SERIE MONOFÁSICA 4 POLOS

| Model Modelo | Power Potencia (kW) | | | | |
|---------------------|-----------------------|--------|----------|----------|----------|
| | 0,18 | 0,25 | 0,37 | 0,55 | 0,75 |
| BOX HB 45 M4 (A0:6) | | 728,30 | | | |
| BOX HB 45 M4 (A5:6) | 769,70 | 792,60 | 811,30 | 860,20 | |
| BOX HB 50 M4 (A0:6) | | | 786,00 | | |
| BOX HB 50 M4 (A5:6) | | 831,60 | 850,30 | 899,10 | 926,60 |
| BOX HB 56 M4 (A2:9) | | | 1.022,20 | 1.070,90 | 1.098,40 |
| BOX HB 56 M4 (A2:6) | | | 997,70 | 1.046,60 | 1.074,00 |
| BOX HB 56 M4 (A5:6) | | | 1.008,30 | 1.057,00 | 1.084,50 |
| BOX HB 63 M4 (A2:9) | | | 1.057,90 | 1.106,60 | 1.134,20 |
| BOX HB 63 M4 (A2:6) | | | 1.033,40 | 1.082,30 | 1.109,70 |
| BOX HB 63 M4 (A5:6) | | | 1.044,00 | 1.092,90 | 1.120,20 |
| BOX HB 71 M4 (A2:9) | | | | | 1.351,50 |
| BOX HB 71 M4 (A2:6) | | | | | 1.327,10 |
| BOX HB 71 M4 (A5:6) | | | | | 1.337,60 |

SINGLE PHASE RANGE 6 POLE | SERIE MONOFÁSICA 6 POLOS

| Model Modelo | Power Potencia (kW) | | | | |
|---------------------|-----------------------|----------|----------|----------|----------|
| | 0,12 | 0,18 | 0,25 | 0,37 | 0,55 |
| BOX HB 45 M6 (A0:6) | 706,80 | | | | |
| BOX HB 45 M6 (A5:6) | 771,10 | | | | |
| BOX HB 50 M6 (A0:6) | 745,80 | | | | |
| BOX HB 50 M6 (A5:6) | 810,10 | 839,80 | | | |
| BOX HB 56 M6 (A2:9) | 981,90 | 1.011,70 | 1.025,00 | 1.092,20 | 1.127,10 |
| BOX HB 56 M6 (A2:6) | 957,50 | 987,30 | 1.000,60 | 1.067,90 | 1.102,70 |
| BOX HB 56 M6 (A5:6) | 967,90 | 997,70 | 1.011,20 | 1.078,40 | 1.113,10 |
| BOX HB 63 M6 (A2:9) | | | | 1.127,90 | 1.162,80 |
| BOX HB 63 M6 (A2:6) | | | | 1.103,60 | 1.138,40 |
| BOX HB 63 M6 (A5:6) | | | | 1.114,20 | 1.148,90 |
| BOX HB 71 M6 (A2:9) | | | | 1.345,50 | 1.380,20 |
| BOX HB 71 M6 (A2:6) | | | | 1.321,10 | 1.355,90 |
| BOX HB 71 M6 (A5:6) | | | | 1.331,50 | 1.366,40 |

IE3 THREE PHASE RANGE 4 POLE | IE3 SERIE TRIFÁSICA 4 POLOS

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | |
|---------------------|-----------------------|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--|
| | 0,18 | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | |
| BOX HB 45 T4 (A0:6) | | 795,20 | | | | | | | | | | | | |
| BOX HB 45 T4 (A5:6) | 831,70 | 859,50 | 864,40 | 880,60 | | | | | | | | | | |
| BOX HB 50 T4 (A0:6) | | | 839,10 | | | | | | | | | | | |
| BOX HB 50 T4 (A5:6) | | 898,40 | 903,30 | 919,50 | 923,90 | | | | | | | | | |
| BOX HB 56 T4 (A2:9) | | | 1.075,30 | 1.091,30 | 1.095,80 | 1.136,00 | 1.177,60 | 1.267,60 | | | | | | |
| BOX HB 56 T4 (A2:6) | | | 1.050,80 | 1.066,90 | 1.071,40 | 1.111,60 | 1.153,30 | 1.243,10 | | | | | | |
| BOX HB 56 T4 (A5:6) | | | 1.061,40 | 1.077,30 | 1.081,90 | 1.122,00 | 1.163,90 | 1.253,60 | | | | | | |
| BOX HB 63 T4 (A2:9) | | | 1.111,00 | 1.127,00 | 1.131,60 | 1.171,70 | 1.213,30 | 1.303,30 | 1.383,80 | | | | | |
| BOX HB 63 T4 (A2:6) | | | 1.086,50 | 1.102,60 | 1.107,20 | 1.147,30 | 1.189,00 | 1.278,80 | 1.359,50 | | | | | |
| BOX HB 63 T4 (A5:6) | | | 1.097,10 | 1.113,10 | 1.117,70 | 1.157,90 | 1.199,60 | 1.289,40 | 1.370,00 | | | | | |
| BOX HB 71 T4 (A2:9) | | | | | 1.349,00 | 1.389,20 | 1.430,90 | 1.520,70 | 1.601,40 | 1.720,40 | | | | |
| BOX HB 71 T4 (A2:6) | | | | | 1.324,60 | 1.364,60 | 1.406,50 | 1.496,20 | 1.576,80 | 1.696,00 | | | | |
| BOX HB 71 T4 (A5:6) | | | | | 1.335,20 | 1.375,20 | 1.416,90 | 1.506,80 | 1.587,40 | 1.706,50 | | | | |
| BOX HB 80 T4 (A2:9) | | | | | | 1.439,10 | 1.480,90 | 1.570,60 | 1.651,20 | 1.770,40 | 1.951,30 | 2.106,40 | 2.423,30 | |
| BOX HB 80 T4 (A2:6) | | | | | | 1.414,60 | 1.456,30 | 1.546,20 | 1.626,80 | 1.745,90 | 1.926,90 | 2.082,00 | 2.398,90 | |
| BOX HB 80 T4 (A5:6) | | | | | | 1.425,20 | 1.466,90 | 1.556,70 | 1.637,40 | 1.756,40 | | | | |

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | |
|----------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--|
| | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | |
| BOX HB 90 T4 (A6:6) | 2.660,90 | 2.780,00 | 2.960,90 | 3.116,10 | 3.433,00 | 3.605,50 | 3.801,00 | | | | | | |
| BOX HB 90 T4 (A6:3) | 2.533,40 | 2.652,40 | 2.833,30 | 2.988,50 | 3.305,40 | 3.478,00 | 3.673,40 | | | | | | |
| BOX HB 100 T4 (A6:6) | | | 3.082,10 | 3.237,30 | 3.554,20 | 3.726,80 | 3.922,20 | 4.355,00 | 4.494,30 | | | | |
| BOX HB 100 T4 (A6:3) | | | 2.954,60 | 3.109,70 | 3.426,60 | 3.599,20 | 3.794,60 | 4.227,40 | 4.366,80 | | | | |
| BOX HB 112 T4 (A6:6) | | | 4.369,40 | 4.524,40 | 4.841,30 | 5.014,00 | 5.209,40 | 5.642,10 | 5.781,40 | 6.549,80 | 7.247,80 | | |
| BOX HB 112 T4 (A6:3) | | | 4.241,80 | 4.396,80 | 4.713,80 | 4.886,30 | 5.081,70 | 5.514,50 | 5.653,90 | 6.422,20 | 7.120,30 | | |
| BOX HB 125 T4 (A7:8) | | | | | | 5.496,70 | 5.692,10 | 6.124,80 | 6.264,20 | 7.032,50 | 7.730,50 | 8.166,50 | |
| BOX HB 125 T4 (A7:4) | | | | 4.766,60 | 5.083,60 | 5.256,10 | 5.451,60 | 5.884,30 | 6.023,60 | 6.792,00 | 7.490,00 | 7.925,80 | |



Brochure



Folleto

Probat EEC by Casals

IE3 THREE PHASE RANGE 6 POLE | IE3 SERIE TRIFÁSICA 6 POLOS

| Model Modelo | Power Potencia (kW) | | | | | | | | |
|---------------------|---------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,12 | 0,18 | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 |
| BOX HB 45 T6 (A0:6) | 827,50 | | | | | | | | |
| BOX HB 45 T6 (A5:6) | 891,80 | | | | | | | | |
| BOX HB 50 T6 (A0:6) | 866,40 | | | | | | | | |
| BOX HB 50 T6 (A5:6) | 930,70 | 943,90 | | | | | | | |
| BOX HB 56 T6 (A2:9) | 1.102,50 | 1.115,70 | 1.121,00 | 1.134,20 | 1.123,30 | | | | |
| BOX HB 56 T6 (A2:6) | 1.078,10 | 1.091,30 | 1.096,70 | 1.109,70 | 1.098,90 | | | | |
| BOX HB 56 T6 (A5:6) | 1.088,60 | 1.101,90 | 1.107,10 | 1.120,30 | 1.109,40 | | | | |
| BOX HB 63 T6 (A2:9) | | 1.151,40 | 1.156,80 | 1.169,90 | 1.159,10 | 1.182,40 | | | |
| BOX HB 63 T6 (A2:6) | | 1.127,00 | 1.132,40 | 1.145,40 | 1.134,70 | 1.158,00 | | | |
| BOX HB 63 T6 (A5:6) | | 1.137,60 | 1.142,80 | 1.156,00 | 1.145,10 | 1.168,40 | | | |
| BOX HB 71 T6 (A2:9) | | | 1.374,20 | 1.387,30 | 1.376,40 | 1.399,70 | 1.446,30 | | |
| BOX HB 71 T6 (A2:6) | | | 1.349,70 | 1.363,00 | 1.352,00 | 1.375,30 | 1.421,90 | | |
| BOX HB 71 T6 (A5:6) | | | 1.360,30 | 1.373,50 | 1.362,60 | 1.385,90 | 1.432,40 | | |
| BOX HB 80 T6 (A2:9) | | | | 1.437,30 | 1.426,40 | 1.449,70 | 1.496,30 | 1.576,50 | 1.708,20 |
| BOX HB 80 T6 (A2:6) | | | | 1.413,00 | 1.402,10 | 1.425,30 | 1.471,90 | 1.552,10 | 1.683,60 |
| BOX HB 80 T6 (A5:6) | | | | 1.423,40 | 1.412,60 | 1.435,90 | 1.482,30 | 1.562,60 | 1.694,20 |

| Model Modelo | Power Potencia (kW) | | | | | | | | | |
|----------------------|---------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| BOX HB 90 T6 (A6:6) | 2.459,40 | 2.505,90 | 2.586,20 | 2.717,70 | 2.947,40 | 3.061,00 | | | | |
| BOX HB 90 T6 (A6:3) | 2.331,80 | 2.378,30 | 2.458,60 | 2.590,20 | 2.820,00 | 2.933,50 | | | | |
| BOX HB 100 T6 (A6:6) | | 2.627,10 | 2.707,40 | 2.839,00 | 3.068,70 | 3.182,30 | 3.342,90 | 3.565,10 | | |
| BOX HB 100 T6 (A6:3) | | 2.499,50 | 2.579,80 | 2.711,40 | 2.941,20 | 3.054,80 | 3.215,40 | 3.437,50 | | |
| BOX HB 112 T6 (A6:6) | | | 3.994,60 | 4.126,10 | 4.355,80 | 4.469,40 | 4.630,10 | 4.852,20 | 5.183,60 | |
| BOX HB 112 T6 (A6:3) | | | 3.867,00 | 3.998,50 | 4.228,30 | 4.341,90 | 4.502,60 | 4.724,80 | 5.056,10 | |
| BOX HB 125 T6 (A7:8) | | | | | 4.838,60 | 4.952,30 | 5.112,90 | 5.335,00 | 5.666,40 | 6.168,80 |
| BOX HB 125 T6 (A7:4) | | | | 4.368,30 | 4.598,00 | 4.711,60 | 4.872,30 | 5.094,50 | 5.425,80 | 5.928,30 |



(Eco Efficiency Casals)

THREE PHASE RANGE 4/8 POLE | SERIE TRIFÁSICA 4/8 POLOS

| Model Modelo | Power Potencia (kW) | | | | | | | | | | |
|------------------------|-----------------------|-----------|-----------|-----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,25/0,03 | 0,33/0,04 | 0,55/0,09 | 0,75/0,19 | 1,1/0,18 | 1,5/0,25 | 2,2/0,37 | 3/0,55 | 4/0,75 | 5,5/1,1 | 7,5/1,5 |
| BOX HB 45 T4/T8 (A0:6) | 817,10 | | | | | | | | | | |
| BOX HB 45 T4/T8 (A5:6) | 881,30 | 886,80 | 927,20 | | | | | | | | |
| BOX HB 50 T4/T8 (A0:6) | | 861,40 | | | | | | | | | |
| BOX HB 50 T4/T8 (A5:6) | 920,20 | 925,70 | 966,10 | 1.000,70 | | | | | | | |
| BOX HB 56 T4/T8 (A2:9) | | 1.097,50 | 1.137,90 | 1.172,50 | 1.209,50 | 1.258,90 | 1.382,30 | | | | |
| BOX HB 56 T4/T8 (A2:6) | | 1.073,20 | 1.113,60 | 1.148,20 | 1.185,20 | 1.234,60 | 1.358,00 | | | | |
| BOX HB 56 T4/T8 (A5:6) | | 1.083,70 | 1.124,00 | 1.158,60 | 1.195,70 | 1.245,00 | 1.368,50 | | | | |
| BOX HB 63 T4/T8 (A2:9) | | 1.133,30 | 1.173,70 | 1.208,30 | 1.245,40 | 1.294,70 | 1.418,10 | 1.492,20 | | | |
| BOX HB 63 T4/T8 (A2:6) | | 1.108,90 | 1.149,30 | 1.183,90 | 1.220,90 | 1.270,30 | 1.393,70 | 1.467,80 | | | |
| BOX HB 63 T4/T8 (A5:6) | | 1.119,40 | 1.159,80 | 1.194,30 | 1.231,40 | 1.280,80 | 1.404,20 | 1.478,20 | | | |
| BOX HB 71 T4/T8 (A2:9) | | | | 1.425,70 | 1.462,70 | 1.512,10 | 1.635,50 | 1.709,60 | 1.870,00 | | |
| BOX HB 71 T4/T8 (A2:6) | | | | 1.401,20 | 1.438,30 | 1.487,70 | 1.611,10 | 1.685,10 | 1.845,60 | | |
| BOX HB 71 T4/T8 (A5:6) | | | | 1.411,80 | 1.448,80 | 1.498,20 | 1.621,60 | 1.695,70 | 1.856,10 | | |
| BOX HB 80 T4/T8 (A2:9) | | | | | 1.512,70 | 1.562,10 | 1.685,50 | 1.759,50 | 1.920,00 | 2.216,10 | 2.364,20 |
| BOX HB 80 T4/T8 (A2:6) | | | | | 1.488,30 | 1.537,60 | 1.661,10 | 1.735,10 | 1.895,50 | 2.191,70 | 2.339,80 |
| BOX HB 80 T4/T8 (A5:6) | | | | | 1.498,80 | 1.548,20 | 1.671,60 | 1.745,70 | 1.906,10 | | |

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | |
|-------------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 3/0,55 | 4/0,75 | 5,5/1,1 | 7,5/1,5 | 11/2,8 | 15/3,5 | 17/4,3 | 20/ 5 | 28/6,5 | 35/8 | 37/9,2 | 44/11 |
| BOX HB 90 T4/T8 (A6:6) | 2.769,20 | 2.929,60 | 3.225,80 | 3.373,90 | 3.662,90 | 3.912,60 | | | | | | |
| BOX HB 90 T4/T8 (A6:3) | 2.641,70 | 2.802,10 | 3.098,30 | 3.246,40 | 3.535,40 | 3.785,10 | | | | | | |
| BOX HB 100 T4/T8 (A6:6) | | | 3.347,00 | 3.495,10 | 3.784,10 | 4.033,80 | 4.722,70 | 4.784,00 | | | | |
| BOX HB 100 T4/T8 (A6:3) | | | 3.219,50 | 3.367,60 | 3.656,60 | 3.906,30 | 4.595,20 | 4.656,50 | | | | |
| BOX HB 112 T4/T8 (A6:6) | | | 4.634,20 | 4.782,30 | 5.071,30 | 5.321,10 | 6.010,00 | 6.071,20 | 7.036,00 | 7.274,50 | 8.619,30 | |
| BOX HB 112 T4/T8 (A6:3) | | | 4.506,60 | 4.654,70 | 4.943,70 | 5.193,40 | 5.882,40 | 5.943,60 | 6.908,40 | 7.146,90 | 8.491,70 | |
| BOX HB 125 T4/T8 (A7:8) | | | | | 5.554,10 | 5.803,80 | 6.492,70 | 6.554,00 | 7.518,80 | 7.757,20 | 9.102,00 | 9.708,70 |
| BOX HB 125 T4/T8 (A7:4) | | | | 5.024,50 | 5.313,50 | 5.563,20 | 6.252,20 | 6.313,40 | 7.278,20 | 7.516,70 | 8.861,50 | 9.468,20 |

ALUMINIUM IMPELLER | HÉLICE DE ALUMINIO (BOX HBA)
SINGLE PHASE RANGE 4 POLE | SERIE MONOFÁSICA 4 POLOS

| Model Modelo | Power Potencia (kW) | | | | |
|----------------------|-----------------------|--------|--------|----------|----------|
| | 0,18 | 0,25 | 0,37 | 0,55 | 0,75 |
| BOX HBA 45 M4 (A0:6) | | | 765,50 | | |
| BOX HBA 45 M4 (A5:6) | | 875,60 | 898,60 | 917,20 | 966,20 |
| BOX HBA 50 M4 (A0:6) | | | 823,20 | | |
| BOX HBA 50 M4 (A5:6) | | | 937,50 | 956,20 | 1.005,10 |
| BOX HBA 56 M4 (A2:9) | | | | 1.156,70 | 1.205,50 |
| BOX HBA 56 M4 (A2:6) | | | | 1.087,40 | 1.136,20 |
| BOX HBA 56 M4 (A5:6) | | | | 1.114,20 | 1.162,90 |
| BOX HBA 63 M4 (A2:9) | | | | 1.192,40 | 1.241,20 |
| BOX HBA 63 M4 (A2:6) | | | | 1.123,10 | 1.171,90 |
| BOX HBA 63 M4 (A5:6) | | | | 1.149,90 | 1.198,70 |
| BOX HBA 71 M4 (A2:9) | | | | | 1.486,10 |
| BOX HBA 71 M4 (A2:6) | | | | | 1.416,80 |
| BOX HBA 71 M4 (A5:6) | | | | | 1.443,50 |

SINGLE PHASE RANGE 6 POLE | SERIE MONOFÁSICA 6 POLOS

| Model Modelo | Power Potencia (kW) | | | | |
|----------------------|-----------------------|----------|----------|----------|----------|
| | 0,12 | 0,18 | 0,25 | 0,37 | 0,55 |
| BOX HBA 45 M6 (A0:6) | | 744,00 | | | |
| BOX HBA 45 M6 (A5:6) | | 877,10 | | | |
| BOX HBA 50 M6 (A0:6) | | 783,00 | | | |
| BOX HBA 50 M6 (A5:6) | | 916,00 | 945,80 | | |
| BOX HBA 56 M6 (A2:9) | | 1.116,40 | 1.146,20 | 1.159,50 | 1.226,80 |
| BOX HBA 56 M6 (A2:6) | | 1.047,20 | 1.076,90 | 1.090,30 | 1.157,50 |
| BOX HBA 56 M6 (A5:6) | | 1.073,90 | 1.103,70 | 1.117,10 | 1.184,20 |
| BOX HBA 63 M6 (A2:9) | | | 1.182,00 | 1.195,20 | 1.262,50 |
| BOX HBA 63 M6 (A2:6) | | | 1.112,60 | 1.126,10 | 1.193,30 |
| BOX HBA 63 M6 (A5:6) | | | 1.139,40 | 1.152,80 | 1.220,10 |
| BOX HBA 71 M6 (A2:9) | | | | 1.412,80 | 1.479,80 |
| BOX HBA 71 M6 (A2:6) | | | | 1.343,40 | 1.410,70 |
| BOX HBA 71 M6 (A5:6) | | | | 1.370,20 | 1.437,50 |

IE3 THREE PHASE RANGE 4 POLE | IE3 SERIE TRIFÁSICA 4 POLOS

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | |
|----------------------|---------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,18 | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 |
| BOX HBA 45 T4 (A0:6) | | 832,30 | | | | | | | | | | | |
| BOX HBA 45 T4 (A5:6) | 937,70 | 965,30 | 970,40 | 986,50 | | | | | | | | | |
| BOX HBA 50 T4 (A0:6) | | | 876,30 | | | | | | | | | | |
| BOX HBA 50 T4 (A5:6) | | 1.009,30 | 1.009,30 | 1.025,50 | 1.029,90 | | | | | | | | |
| BOX HBA 56 T4 (A2:9) | | | 1.209,70 | 1.225,80 | 1.230,30 | 1.270,50 | 1.312,20 | 1.402,00 | | | | | |
| BOX HBA 56 T4 (A2:6) | | | 1.140,50 | 1.156,50 | 1.161,10 | 1.201,20 | 1.242,90 | 1.332,80 | | | | | |
| BOX HBA 56 T4 (A5:6) | | | 1.167,20 | 1.183,30 | 1.187,90 | 1.228,00 | 1.269,60 | 1.359,60 | | | | | |
| BOX HBA 63 T4 (A2:9) | | | 1.245,40 | 1.261,60 | 1.266,00 | 1.306,30 | 1.347,90 | 1.437,80 | 1.518,30 | | | | |
| BOX HBA 63 T4 (A2:6) | | | 1.176,20 | 1.192,30 | 1.196,90 | 1.236,90 | 1.278,60 | 1.368,50 | 1.449,10 | | | | |
| BOX HBA 63 T4 (A5:6) | | | 1.203,10 | 1.219,00 | 1.223,60 | 1.263,70 | 1.305,40 | 1.395,30 | 1.475,80 | | | | |
| BOX HBA 71 T4 (A2:9) | | | | | 1.483,50 | 1.523,60 | 1.565,20 | 1.655,20 | 1.735,70 | 1.854,90 | | | |
| BOX HBA 71 T4 (A2:6) | | | | | 1.414,20 | 1.454,30 | 1.496,10 | 1.585,80 | 1.666,50 | 1.785,70 | | | |
| BOX HBA 71 T4 (A5:6) | | | | | 1.441,00 | 1.481,20 | 1.522,90 | 1.612,70 | 1.693,40 | 1.812,40 | | | |
| BOX HBA 80 T4 (A2:9) | | | | | | 1.573,60 | 1.615,30 | 1.705,20 | 1.785,80 | 1.904,80 | 2.085,80 | 2.240,90 | 2.557,80 |
| BOX HBA 80 T4 (A2:6) | | | | | | 1.504,30 | 1.546,10 | 1.635,80 | 1.716,40 | 1.835,70 | 2.016,50 | 2.171,60 | 2.488,60 |
| BOX HBA 80 T4 (A5:6) | | | | | | 1.531,10 | 1.572,90 | 1.662,60 | 1.743,30 | 1.862,40 | | | |

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | |
|-----------------------|---------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--|
| | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | |
| BOX HBA 90 T4 (A6:6) | 2.883,20 | 3.002,30 | 3.183,20 | 3.338,30 | 3.655,30 | 3.827,80 | 4.023,30 | | | | | | |
| BOX HBA 90 T4 (A6:3) | 2.653,60 | 2.772,70 | 2.953,70 | 3.108,70 | 3.425,60 | 3.598,30 | 3.793,70 | | | | | | |
| BOX HBA 100 T4 (A6:6) | | | 3.304,50 | 3.459,60 | 3.776,50 | 3.949,00 | 4.144,50 | 4.577,20 | 4.716,60 | | | | |
| BOX HBA 100 T4 (A6:3) | | | 3.074,90 | 3.229,90 | 3.546,90 | 3.719,50 | 3.915,00 | 4.347,50 | 4.487,00 | | | | |
| BOX HBA 112 T4 (A6:6) | | | 4.591,70 | 4.746,70 | 5.063,70 | 5.236,30 | 5.431,80 | 5.864,30 | 6.003,80 | 6.772,10 | 7.470,10 | | |
| BOX HBA 112 T4 (A6:3) | | | 4.362,10 | 4.517,10 | 4.834,10 | 5.006,60 | 5.202,10 | 5.634,70 | 5.774,20 | 6.542,40 | 7.240,50 | | |
| BOX HBA 125 T4 (A7:8) | | | | | | 5.726,20 | 5.921,60 | 6.354,40 | 6.493,70 | 7.262,20 | 7.960,10 | 8.396,10 | |
| BOX HBA 125 T4 (A7:4) | | | | 4.930,60 | 5.247,60 | 5.420,10 | 5.615,50 | 6.048,20 | 6.187,60 | 6.956,00 | 7.654,00 | 8.090,00 | |

IE3 THREE PHASE RANGE 6 POLE | IE3 SERIE TRIFÁSICA 6 POLOS

| Model Modelo | Power Potencia (kW) | | | | | | | | |
|----------------------|---------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,12 | 0,18 | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 |
| BOX HBA 45 T6 (A0:6) | 864,60 | | | | | | | | |
| BOX HBA 45 T6 (A5:6) | 997,70 | | | | | | | | |
| BOX HBA 50 T6 (A0:6) | 903,60 | | | | | | | | |
| BOX HBA 50 T6 (A5:6) | 1.036,70 | 1.049,80 | | | | | | | |
| BOX HBA 56 T6 (A2:9) | 1.237,00 | 1.250,30 | 1.255,50 | 1.268,70 | 1.257,80 | | | | |
| BOX HBA 56 T6 (A2:6) | 1.167,80 | 1.180,90 | 1.186,30 | 1.199,50 | 1.188,50 | | | | |
| BOX HBA 56 T6 (A5:6) | 1.194,60 | 1.207,70 | 1.213,00 | 1.226,30 | 1.215,40 | | | | |
| BOX HBA 63 T6 (A2:9) | | 1.286,00 | 1.291,20 | 1.304,40 | 1.293,50 | 1.316,80 | | | |
| BOX HBA 63 T6 (A2:6) | | 1.216,60 | 1.222,00 | 1.235,20 | 1.224,40 | 1.247,60 | | | |
| BOX HBA 63 T6 (A5:6) | | 1.243,40 | 1.248,70 | 1.262,00 | 1.251,10 | 1.274,40 | | | |
| BOX HBA 71 T6 (A2:9) | | | 1.508,70 | 1.521,90 | 1.511,00 | 1.534,30 | 1.580,80 | | |
| BOX HBA 71 T6 (A2:6) | | | 1.439,40 | 1.452,60 | 1.441,80 | 1.464,90 | 1.511,50 | | |
| BOX HBA 71 T6 (A5:6) | | | 1.466,30 | 1.479,30 | 1.468,50 | 1.491,80 | 1.538,30 | | |
| BOX HBA 80 T6 (A2:9) | | | | 1.571,80 | 1.560,90 | 1.584,30 | 1.630,70 | 1.711,10 | 1.842,60 |
| BOX HBA 80 T6 (A2:6) | | | | 1.502,60 | 1.491,70 | 1.514,90 | 1.561,50 | 1.641,70 | 1.773,40 |
| BOX HBA 80 T6 (A5:6) | | | | 1.529,30 | 1.518,40 | 1.541,70 | 1.588,30 | 1.668,60 | 1.800,20 |

| Model Modelo | Power Potencia (kW) | | | | | | | | | |
|-----------------------|---------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| BOX HBA 90 T6 (A6:6) | 2.681,70 | 2.728,30 | 2.808,50 | 2.940,00 | 3.169,80 | 3.283,30 | | | | |
| BOX HBA 90 T6 (A6:3) | 2.452,10 | 2.498,60 | 2.578,90 | 2.710,50 | 2.940,10 | 3.053,80 | | | | |
| BOX HBA 100 T6 (A6:6) | | 2.849,50 | 2.929,70 | 3.061,20 | 3.291,00 | 3.404,60 | 3.565,30 | 3.787,50 | | |
| BOX HBA 100 T6 (A6:3) | | 2.619,80 | 2.700,10 | 2.831,70 | 3.061,40 | 3.175,00 | 3.335,70 | 3.557,80 | | |
| BOX HBA 112 T6 (A6:6) | | | 4.216,90 | 4.348,40 | 4.578,10 | 4.691,80 | 4.852,50 | 5.074,60 | 5.405,90 | |
| BOX HBA 112 T6 (A6:3) | | | 3.987,20 | 4.118,80 | 4.348,60 | 4.462,20 | 4.622,80 | 4.844,90 | 5.176,30 | |
| BOX HBA 125 T6 (A7:8) | | | | | 5.068,20 | 5.181,70 | 5.342,50 | 5.564,70 | 5.896,00 | 6.398,50 |
| BOX HBA 125 T6 (A7:4) | | | | 4.532,30 | 4.762,00 | 4.875,70 | 5.036,30 | 5.258,50 | 5.589,80 | 6.092,20 |

THREE PHASE RANGE 4/8 POLE | SERIE TRIFÁSICA 4/8 POLOS

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | |
|-------------------------|-----------------------|-----------|-----------|-----------|----------|----------|----------|----------|----------|----------|----------|--|
| | 0,25/0,03 | 0,33/0,04 | 0,55/0,09 | 0,75/0,19 | 1,1/0,18 | 1,5/0,25 | 2,2/0,37 | 3/0,55 | 4/0,75 | 5,5/1,1 | 7,5/1,5 | |
| BOX HBA 45 T4/T8 (A0:6) | 854,20 | | | | | | | | | | | |
| BOX HBA 45 T4/T8 (A5:6) | 987,20 | 992,70 | 1.033,10 | | | | | | | | | |
| BOX HBA 50 T4/T8 (A0:6) | | 898,70 | | | | | | | | | | |
| BOX HBA 50 T4/T8 (A5:6) | 1.026,20 | 1.031,70 | 1.072,10 | 1.106,70 | | | | | | | | |
| BOX HBA 56 T4/T8 (A2:9) | | 1.232,10 | 1.272,50 | 1.307,10 | 1.344,10 | 1.393,50 | 1.516,90 | | | | | |
| BOX HBA 56 T4/T8 (A2:6) | | 1.162,80 | 1.203,20 | 1.237,80 | 1.274,90 | 1.324,20 | 1.447,60 | | | | | |
| BOX HBA 56 T4/T8 (A5:6) | | 1.189,60 | 1.230,00 | 1.264,60 | 1.301,70 | 1.351,00 | 1.474,50 | | | | | |
| BOX HBA 63 T4/T8 (A2:9) | | 1.267,80 | 1.308,20 | 1.342,80 | 1.379,80 | 1.429,20 | 1.552,60 | 1.626,60 | | | | |
| BOX HBA 63 T4/T8 (A2:6) | | 1.198,50 | 1.238,90 | 1.273,50 | 1.310,60 | 1.359,90 | 1.483,40 | 1.557,40 | | | | |
| BOX HBA 63 T4/T8 (A5:6) | | 1.225,30 | 1.265,70 | 1.300,30 | 1.337,40 | 1.386,70 | 1.510,20 | 1.584,20 | | | | |
| BOX HBA 71 T4/T8 (A2:9) | | | | 1.560,20 | 1.597,30 | 1.646,60 | 1.770,00 | 1.844,10 | 2.004,50 | | | |
| BOX HBA 71 T4/T8 (A2:6) | | | | 1.491,00 | 1.528,00 | 1.577,40 | 1.700,80 | 1.774,90 | 1.935,30 | | | |
| BOX HBA 71 T4/T8 (A5:6) | | | | 1.517,80 | 1.554,80 | 1.604,20 | 1.727,60 | 1.801,70 | 1.962,10 | | | |
| BOX HBA 80 T4/T8 (A2:9) | | | | | 1.647,20 | 1.696,60 | 1.820,00 | 1.894,10 | 2.054,50 | 2.350,70 | 2.498,80 | |
| BOX HBA 80 T4/T8 (A2:6) | | | | | 1.578,00 | 1.627,40 | 1.750,80 | 1.824,90 | 1.985,30 | 2.281,50 | 2.429,60 | |
| BOX HBA 80 T4/T8 (A5:6) | | | | | 1.604,70 | 1.654,10 | 1.777,50 | 1.851,60 | 2.012,00 | | | |

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | |
|--------------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 3/0,55 | 4/0,75 | 5,5/1,1 | 7,5/1,5 | 11/2,8 | 15/3,5 | 17/4,3 | 20/5 | 28/6,5 | 35/8 | 37/9,2 | 44/11 |
| BOX HBA 90 T4/T8 (A6:6) | 2.991,50 | 3.151,90 | 3.448,10 | 3.596,20 | 3.885,20 | 4.134,90 | | | | | | |
| BOX HBA 90 T4/T8 (A6:3) | 2.761,90 | 2.922,40 | 3.218,50 | 3.366,60 | 3.655,70 | 3.905,40 | | | | | | |
| BOX HBA 100 T4/T8 (A6:6) | | | 3.569,30 | 3.717,40 | 4.006,40 | 4.256,10 | 4.945,10 | 5.006,30 | | | | |
| BOX HBA 100 T4/T8 (A6:3) | | | 3.339,70 | 3.487,80 | 3.776,90 | 4.026,60 | 4.715,50 | 4.776,80 | | | | |
| BOX HBA 112 T4/T8 (A6:6) | | | 4.856,50 | 5.004,60 | 5.293,70 | 5.543,40 | 6.232,30 | 6.293,60 | 7.258,40 | 7.496,80 | 8.841,60 | |
| BOX HBA 112 T4/T8 (A6:3) | | | 4.626,90 | 4.775,00 | 5.064,00 | 5.313,70 | 6.002,60 | 6.063,90 | 7.028,70 | 7.267,20 | 8.612,00 | |
| BOX HBA 125 T4/T8 (A7:8) | | | | | 5.783,60 | 6.033,30 | 6.722,30 | 6.783,50 | 7.748,30 | 7.986,80 | 9.331,60 | 9.938,30 |
| BOX HBA 125 T4/T8 (A7:4) | | | | 5.188,50 | 5.477,50 | 5.727,20 | 6.416,10 | 6.477,40 | 7.442,20 | 7.680,60 | 9.025,50 | 9.632,10 |

NEW 50Hz 60Hz



KASTORM

Reaction centrifugal fan plug for industrial applications
Plug fan centrífugo a reacción para aplicaciones industriales



CIKSTORM

Reaction centrifugal fan plug for industrial applications
Plug fan centrífugo a reacción para aplicaciones industriales



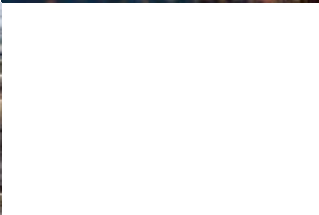
industrial
storm



Folleto



Brochure



- ◆ Big buildings
- ◆ Grandes edificios
- ◆ Malls
- ◆ Centros comerciales
- ◆ Factories
- ◆ Fábricas
- ◆ Industrial buildings
- ◆ Edificios industriales
- ◆ Warehouses
- ◆ Almacenes
- ◆ Parking
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- ◆ Restaurants
- ◆ Restaurantes
- ◆ Hotels
- ◆ Hoteles
- ◆ Smoke extraction
- ◆ Extracción de humo
- ◆ Boilers
- ◆ Calderas
- ◆ Ovens
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- ◆ Manufacture and treatment of chemical products
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- ◆ Secadores para la industria alimentaria
- ◆ Food processing
- ◆ Procesamiento de alimentos
- ◆ Incineration
- ◆ Incineración
- ◆ Odour control in industry
- ◆ Control de olores en industria
- ◆ Indoor - outdoor pollution control
- ◆ Control de contaminación en interiores y exteriores
- ◆ Filter technology
- ◆ Tecnología de filtro

*Put a Storm in
every industrial application*
**Un Storm para
cada aplicación industrial**



casals
fans of innovation

400°C/2h



BOX RL

Backward centrifugal in soundproof cabinet

Centrífugo a reacción en caja



MANUFACTURING FEATURES

- Box manufactured in galvanised steel sheet.
- Centrifugal fan with self-cleaning system and backward blade impeller. Direct coupling motor to the impeller.
- Exchangeable panels.
- Open outlet.
- Standard asynchronous squirrel-cage motor with IP-55 protection and Class F insulation. Manufactured with standard voltages: 230/400V 50Hz in three phase motors up to 4kW, and 400/690V 50Hz for higher powers and single speed motors and 400V 50Hz for 2 speed motors.

APPLICATIONS

Designed for inline installation, they are suitable for:

- Air renewal in buildings and industries.
- Maximum working temperature: 60°C.

UNDER REQUEST

- Special voltages.
- Double skin insulation.

CARACTERÍSTICAS CONSTRUCTIVAS

- Caja construida en chapa de acero galvanizado.
- Ventilador centrífugo con sistema autolimpiante y rodete de álabes hacia atrás (a reacción). Motor acoplado directamente al rodete.
- Paneles intercambiables.
- Impulsión abierta.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores para motores de una velocidad y 400V 50Hz para motores de 2 velocidades.

APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Renovación de aire en todo tipo de edificios e industrias.
- Temperatura máxima de trabajo en continuo: 60°C.

BAJO DEMANDA

- Voltajes especiales.
- Panel sándwich.

ACCESSORIES | ACCESORIOS



INT pg.434

Safety switch.
Interrupor de corte.



SFC pg.433

Frequency speed controller.
Variador de velocidad
frecuencial.



TIAC pg.424

Inlet/outlet round cover.
Tapa aspiración/impulsión circular.



JE 45 pg.416

Flexible joint.
Junta elástica.



SIL-C pg.426

Inlet-outlet circular silencer.
Silenciador circular aspira-
ción-impulsión.



BA-400 pg.416

Flexible flange 400°C/2h.
Brida antivibratoria 400°C/2h.



CPCC+ FILTERS pg.406

Filter-support casing for circular duct.
Cajón de portafiltros para conducto
circular.

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | Rated R.P.M. | Rated I (A) | | Rated Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|----------------------|--------------|---------------|------|----------------|---------------|---------------|-----------|----------|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I nominal (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 241390106 | BOX RL 400 T4 0,75kW | 1390 | 2,83 | 1,63 | 0,75 | 4.960 | 50 | 110 | 1.972,10 |
| 241460106 | BOX RL 450 T4 1,1kW | 1400 | 4,33 | 2,49 | 1,1 | 6.580 | 55 | 137 | 2.256,70 |
| 241520106 | BOX RL 500 T4 1,5kW | 1400 | 5,67 | 3,26 | 1,5 | 8.490 | 60 | 142 | 2.423,80 |
| 241600106 | BOX RL 560 T4 2,2kW | 1430 | 8,07 | 4,64 | 2,2 | 12.850 | 62 | 182 | 2.849,50 |
| 241670106 | BOX RL 630 T4 4kW | 1440 | 14,5 | 8,32 | 4 | 19080 | 66 | 213 | 3.083,20 |
| 241770106 | BOX RL 710 T4 7,5kW | 1440 | - | 14,1 | 7,5 | 21.350 | 75 | 268 | 3.437,60 |
| 241830106 | BOX RL 800 T4 11kW | 1455 | - | 21,2 | 11 | 35.540 | 83 | 334 | 4.993,40 |
| 241440106 | BOX RL 400 T6 0,55kW | 900 | 3 | 1,8 | 0,55 | 2.770 | 40 | 110 | 1.868,30 |
| 241470106 | BOX RL 450 T6 0,55kW | 900 | 3 | 1,8 | 0,55 | 4.370 | 45 | 136 | 2.125,20 |
| 241540106 | BOX RL 500 T6 0,55kW | 900 | 3 | 1,8 | 0,55 | 5.590 | 50 | 141 | 2.438,00 |
| 241620106 | BOX RL 560 T6 0,75kW | 910 | 3,39 | 1,95 | 0,75 | 8.130 | 52 | 171 | 2.761,10 |
| 241660106 | BOX RL 630 T6 1,5kW | 940 | 6,45 | 3,71 | 1,5 | 12.710 | 42 | 193 | 3.291,30 |
| 241760106 | BOX RL 710 T6 2,2kW | 940 | 10,3 | 5,94 | 2,2 | 16.560 | 46 | 258 | 3.903,50 |
| 241840106 | BOX RL 800 T6 4kW | 960 | 16,5 | 9,46 | 4 | 20.950 | 48 | 334 | 3.668,90 |

THREE PHASE RANGE 2 SPEEDS | SERIE TRIFÁSICA 2 VELOCIDADES

| Code | Model | Rated R.P.M. | Rated I (A) 400V | Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-------------|-----------------------------|--------------|--------------------|-------------|---------------|---------------|-----------|----------|
| Código | Modelo | R.P.M. nom. | I nominal (A) 400V | Potencia kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 2415201062V | BOX RL 500 T4/T8 1,5/0,25kW | 1400/710 | 3,46/1,27 | 1,5/0,25 | 8.400 | 60 | 142 | 2.740,60 |
| 2416001062V | BOX RL 560 T4/T8 2,2/0,37kW | 1430/720 | 4,96/1,86 | 2,2/0,37 | 12.850 | 49 | 182 | 3.262,40 |
| 2416701062V | BOX RL 630 T4/T8 4/0,75kW | 1440/710 | 8,15/2,74 | 4/0,75 | 19.080 | 66 | 193 | 4.240,20 |
| 2417701062V | BOX RL 710 T4/T8 7,5/1,5kW | 1450/720 | 14,47/5,11 | 7,5/1,5 | 21.350 | 75 | 268 | 4.946,90 |

BOX RL PLUS EVO

Ventilation box with backward impeller

Caja de ventilación con turbina hacia atrás



MANUFACTURING FEATURES

- Ventilation box with 30 mm aluminum profile structure, nylon corners, galvanized sandwich panels with internal insulation rockwool (25mm thickness) class A1 (non-combustible) of 90kg/m³ density. All panels are equipped with "fastening system" for the quick assembly and disassembly whenever required, either for cleaning, maintenance or exchanging of panels.
- Centrifugal fan with motor coupled directly to the impeller.
- Circular inlet to facilitate duct connection. Open outlet.
- Models with AC and EC motor inside the air flow. For models with AC motor, standard asynchronous squirrel cage motor with IP-55 protection and Class F insulation. Standard voltages of 230V for single-phase motors and 230 / 400V 50Hz for three-phase motors.
- For models with EC motor:
 - PM brushless motor (permanent magnets), synchronous, electronically commutated, high efficiency and low sound level. Specially designed for fans with electronic operation and control in deformed box IP65.
 - Working range: from 400 to 1200-2000rpm (depending on the models).
 - Motor with IP54 protection and class F insulation. IP 65 drive case.
 - Power: 220V ± 10% single phase.
 - Power frequency: 50/60Hz.
 - Operating temperature range: -20°C to 50°C.
 - Speed control through signal 0-10V or PWM.
- Backward curved single inlet impeller of high performance with self-cleaning system made of steel. Balanced statically and dynamically at origin.
- Exchangeable panels.

APPLICATIONS

- Designed for inline installation, they are suitable for:
- Air renewal in buildings and industries.
 - Smoke extraction.

CARACTERÍSTICAS CONSTRUCTIVAS

- Caja de ventilación con estructura de perfil de aluminio de 30 mm, esquinas de nylon y panel sándwich de acero galvanizado con aislamiento interno de lana de roca de 25 mm de espesor clase A1 (no combustible) y 90 kg/m³ de densidad. Todos los paneles disponen de "fastening system" (fijación rápida) para el montaje y desmontaje sencillo cada vez que se requiera, ya sea para tareas de limpieza, mantenimiento o intercambio de paneles.
 - Ventilador centrífugo con motor acoplado directamente al rodete.
 - Boca de aspiración circular para facilitar conexión de conductos. Impulsión abierta.
 - Modelos con motor AC y EC dentro del flujo del aire. Para los modelos con motor AC, motor de jaula de ardilla asincrónico estándar con protección IP-55 y aislamiento Clase F. Voltajes estándar de 230V para motores monofásicos y 230/400V 50Hz para motores trifásicos.
 - Para los modelos con motor EC:
 - Motor brushless PM (imanes permanentes), síncrono, conmutado electrónicamente, de alta eficiencia y bajo nivel sonora. Especialmente diseñado para ventiladores con electrónica de funcionamiento y control en caja deportada IP 65.
 - Rango de trabajo: desde 400 hasta 1200-2000rpm (dependiendo de los modelos).
 - Motor con protección IP54 y aislamiento clase F. Caja del drive IP 65.
 - Alimentación: 220V ± 10% monofásica.
 - Frecuencia de alimentación: 50/60Hz.
 - Rango de temperatura de funcionamiento: -20°C a 50°C.
 - Control de velocidad a través de señal 0-10V o PWM
 - Turbina de simple aspiración de álabes curvados hacia atrás (a reacción) de alto rendimiento con sistema autolimpiante construidas en acero. Equilibrada estática y dinámicamente en origen.
 - Paneles intercambiables.
- ### APLICACIONES
- Diseñados para instalación en línea, son adecuados para:
- Renovación de aire en edificios e industrias.
 - Extracción de humo.

ACCESSORIES | ACCESORIOS

| | | |
|---|---|--|
| <p>INT pg.434 Safety switch. Interruptor de corte.</p> | <p>SFC pg.433 Frequency speed controller. Variador de velocidad frecuencial.</p> | <p>BA-400 pg.416 Flexible flange 400°C/2h. Brida antivibratoria 400°C/2h.</p> |
| <p>JE 45 pg.416 Flexible joint. Junta elástica.</p> | <p>SIL-C pg.426 Duct circular silencer. Silenciador circular conducto.</p> | <p>BOX FILTER+FILTERS pg.404 External box filter. Caja portafiltros exterior.</p> |

RANGE WITH EEC MOTORS | SERIE CON MOTOR EEC



| Code | Model | R.P.M. | Power kW | Air flow m ³ /h | Sound dB (A) | R.R.P. € |
|--------------|-----------------------------------|--------|-------------|----------------------------|---------------|----------|
| Código | Modelo | R.P.M. | Potencia kW | Q máx m ³ /h | Sonido dB (A) | P.V.P. € |
| 247259103A25 | BOX RL PLUS EVO 250 M4 0,37kW EEC | 2000 | 0,37 | 1.650 | 47 | 873,10 |
| 247319103A25 | BOX RL PLUS EVO 315 M4 0,37kW EEC | 1400 | 0,37 | 2.200 | 44 | 1.011,00 |

SINGLE PHASE RANGE | SERIE MONOFÁSICA

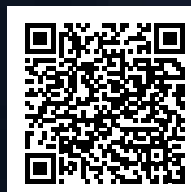
| Code | Model | R.P.M. | Rated I (A) 230V | Power kW | Air flow m³/h | Sound dB (A) | R.R.P. € |
|--------------|-------------------------------|--------|--------------------|-------------|---------------|---------------|----------|
| Código | Modelo | R.P.M. | I nominal (A) 230V | Potencia kW | Q máx m³/h | Sonido dB (A) | P.V.P. € |
| 247310103A25 | BOX RL PLUS EVO 315 M4 0,18kW | 1400 | 1,55 | 0,18 | 2.200 | 44 | 704,60 |
| 247350103A25 | BOX RL PLUS EVO 355 M4 0,25kW | 1390 | 1,93 | 0,25 | 3.350 | 48 | 783,50 |
| 247400103A25 | BOX RL PLUS EVO 400 M4 0,55kW | 1440 | 3,98 | 0,55 | 4.960 | 53 | 1.016,90 |
| 247450103A25 | BOX RL PLUS EVO 450 M4 1,1kW | 1450 | 7,45 | 1,1 | 7.310 | 57 | 1.355,40 |
| 247500103A25 | BOX RL PLUS EVO 500 M4 1,5kW | 1435 | 9,83 | 1,5 | 9.750 | 60 | 1.879,80 |

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | R.P.M. | Rated I (A) 400V | Power kW | Air flow m³/h | Sound dB (A) | R.R.P. € |
|--------------|-------------------------------|--------|--------------------|-------------|---------------|---------------|----------|
| Código | Modelo | R.P.M. | I nominal (A) 400V | Potencia kW | Q máx m³/h | Sonido dB (A) | P.V.P. € |
| 247310106A25 | BOX RL PLUS EVO 315 T4 0,18kW | 1400 | 0,62 | 0,18 | 2.200 | 44 | 680,50 |
| 247350106A25 | BOX RL PLUS EVO 355 T4 0,25kW | 1390 | 0,79 | 0,25 | 3.350 | 48 | 758,00 |
| 247400106A25 | BOX RL PLUS EVO 400 T4 0,55kW | 1440 | 1,49 | 0,55 | 4.960 | 53 | 968,90 |
| 247450106A25 | BOX RL PLUS EVO 450 T4 1,1kW | 1450 | 2,49 | 1,1 | 7.310 | 57 | 1.296,90 |
| 247500106A25 | BOX RL PLUS EVO 500 T4 1,5kW | 1435 | 3,26 | 1,5 | 9.750 | 60 | 1.814,40 |
| 247560106A25 | BOX RL PLUS EVO 560 T4 2,2kW | 1440 | 4,64 | 2,2 | 12.650 | 62 | 2.147,40 |
| 247630106A25 | BOX RL PLUS EVO 630 T4 4kW | 1450 | 8,32 | 4 | 18.200 | 66 | 2.886,60 |
| 247720106A25 | BOX RL PLUS EVO 710 T6 2,2kW | 960 | 5,94 | 2,2 | 17.260 | 60 | 3.636,50 |



Folleto

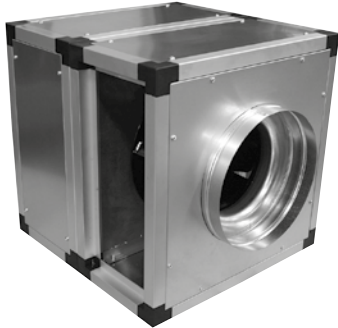


Brochure

BOX RLQ PLUS

Ventilation box with backward impeller

Caja de ventilación con turbina a reacción



MANUFACTURING FEATURES

- Ventilation box with 30 mm aluminum profile structure, nylon corners, galvanized sandwich panels with internal insulation rockwool (25mm thickness) class A1 (non-combustible) of 90kg/m³ density. All panels are equipped with "fastening system" for the quick assembly and disassembly whenever required, either for cleaning, maintenance or exchanging of panels.
- Centrifugal fan with motor coupled directly to the impeller.
- Circular suction mouth to facilitate duct connection. Open lateral drive.
- Standard squirrel cage asynchronous motor, with IP-55 protection and class F insulation. Voltages 230/400V 50Hz for three-phase motors.
- Backward curved single inlet impeller of high performance with self-cleaning system made of steel. Balanced statically and dynamically at origin.
- Interchangeable panels.
- Motor B5 construction located outside the air flow, on the back of the box there is a grid to allow the entry of air to facilitate the cooling of the motor.

APPLICATIONS

Designed for inline installation, they are suitable for:

- Air renewal in buildings and industries.
- Smoke extraction.
- Maximum temperature of transported air: 80°C.
- Maximum environment temperature: 60°C.

CARACTERÍSTICAS CONSTRUCTIVAS

- Caja de ventilación con estructura de perfil de aluminio de 30 mm, esquinas de nylon y panel sándwich de acero galvanizado con aislamiento interno de lana de roca de 25 mm de espesor clase A1 (no combustible) y 90 kg/m³ de densidad. Todos los paneles disponen de "fastening system" (fijación rápida) para el montaje y desmontaje sencillo cada vez que se requiera, ya sea para tareas de limpieza, mantenimiento o intercambio de paneles.
- Ventilador centrífugo con motor acoplado directamente al rodete.
- Boca de aspiración circular para facilitar conexión de conductos. Impulsión lateral abierta.
- Motor asíncrono normalizado de jaula de ardilla, con protección IP-55 y aislamiento clase F. Voltajes 230/400V 50Hz para motores trifásicos.
- Turbina de simple aspiración de álabes curvados hacia atrás (a reacción) de alto rendimiento con sistema autolimpiante construidas en acero. Equilibrada estática y dinámicamente en origen.
- Paneles intercambiables.
- Motor con construcción B5 situado fuera del flujo de aire, en la parte posterior de la caja hay una rejilla que permite la entrada de aire para facilitar la refrigeración del motor.

APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Renovación de aire en todo tipo de edificios e industrias.
- Extracción de humos.
- Temperatura máxima de aire transportado: 80°C.
- Temperatura ambiente máxima: 60°C.

ACCESSORIES | ACCESORIOS



INT pg.434

Safety switch.
Interruptor de corte.



SFC pg.433

Frequency speed controller.
Variador de velocidad frecuencial.



BA-400 pg.416

Flexible flange 400°C/2h.
Brida antivibratoria 400°C/2h.



JE 45 pg.416

Flexible joint.
Junta elástica.



SIL-C pg.426

Duct circular silencer.
Silenciador circular conducto.



BOX FILTER+ FILTERS pg.404

External box filter.
Caja portafiltras exterior.

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | Rated R.P.M. | Rated I (A) | | Rated Power kW | Air flow m ³ /h | Sound dB (A) | Weight Kg | R.R.P. € |
|------------|----------------------------|--------------|---------------|------|----------------|----------------------------|---------------|-----------|----------|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I nominal (A) | | P Nom. kW | Q máx. m ³ /h | Sonido dB (A) | Peso Kg | P.V.P. € |
| | | | 230V | 400V | | | | | |
| 246310106Q | BOX RLQ PLUS 315 T2 1,1kW | 2800 | 4,05 | 2,33 | 1,1 | 4.400 | 51 | 64 | 1.014,20 |
| 246350106Q | BOX RLQ PLUS 355 T2 2,2kW | 2800 | 7,97 | 4,58 | 2,2 | 6.740 | 54 | 73 | 1.227,30 |
| 246311106Q | BOX RLQ PLUS 315 T4 0,25kW | 1400 | 1,38 | 0,79 | 0,25 | 2.220 | 46 | 60 | 632,60 |
| 246351106Q | BOX RLQ PLUS 355 T4 0,55kW | 1400 | 2,57 | 1,49 | 0,55 | 3.400 | 49 | 68 | 773,90 |
| 246400106Q | BOX RLQ PLUS 400 T4 0,75kW | 1390 | 2,83 | 1,63 | 0,75 | 5.040 | 52 | 84 | 1.377,80 |
| 246450106Q | BOX RLQ PLUS 450 T4 1,1kW | 1400 | 4,33 | 2,49 | 1,1 | 6.940 | 55 | 120 | 1.680,80 |
| 246500106Q | BOX RLQ PLUS 500 T6 0,75kW | 925 | 3,39 | 1,95 | 0,75 | 6150 | 56 | 150 | 1.744,60 |
| 246560106Q | BOX RLQ PLUS 560 T6 0,75kW | 925 | 3,39 | 1,95 | 0,75 | 8320 | 57 | 180 | 1.976,10 |
| 246630106Q | BOX RLQ PLUS 630 T6 1,5kW | 940 | 6,45 | 3,71 | 1,5 | 11.750 | 58 | 220 | 2.523,50 |
| 246710106Q | BOX RLQ PLUS 710 T6 2,2kW | 960 | 10,3 | 5,94 | 2,2 | 18.060 | 60 | 290 | 2.739,90 |

BOX RLT

Belt driven backward centrifugal in soundproof

Centrífugo a reacción a transmisión con caja



MANUFACTURING FEATURES

- Box manufactured in galvanised steel sheet.
- Backward impeller with self-cleaning system, belt driven motor with high efficiency, maintenance-free belts.
- Standard asynchronous squirrel-cage motor with IP-55 protection and Class F insulation.
- Manufactured with standard voltages: 230/400V 50Hz in three phase motors up to 4kW, and 400/690V 50Hz for higher powers.
- Exchangeable panels.
- Open outlet.

APPLICATIONS

Designed for inline installation, they are suitable for:

- Air renewal in buildings and industries.
- Maximum temperature of transported air: 110°C.
- Maximum environment temperature: 60°C.

UNDER REQUEST

- Special voltages.
- Double skin insulation.

This is a belt driven range, each model can be manufactured at different rpm, in case of order should be indicated the desired rpm for the correct operation of the unit and according to the needs.

CARACTERÍSTICAS CONSTRUCTIVAS

- Caja construida en chapa de acero galvanizado.
- Ventilador centrífugo con sistema autolimpiante y rodete de álabes hacia atrás. Motor a transmisión con correas de alta eficiencia que no requieren mantenimiento.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F.
- Voltajes 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Paneles intercambiables.
- Impulsión abierta.

APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Renovación de aire en todo tipo de edificios e industrias.
- Temperatura máxima de aire transportado: 110°C.
- Temperatura ambiente máxima: 60°C.

BAJO DEMANDA

- Voltajes especiales.
- Panel sándwich.

Esta gama es a transmisión, cada modelo se puede fabricar a distintas rpm, en caso de pedido se debe indicar las rpm a las que desea el equipo para que el modelo quede correctamente definido y sea adecuado a sus necesidades.

ACCESSORIES | ACCESORIOS



INT pg.434

Safety switch.
Interruptor de corte.



SFC pg.433

Frecuency speed controller.
Variador de velocidad frecuencial.



TIAC pg.424

Inlet/outlet round cover.
Tapa aspiración/impulsión circular.



JE 45 pg.416

Flexible joint.
Junta elástica.



SIL-C pg.426

Inlet-outlet circular silencer.
Silenciador circular aspiración-impulsión.



BA-400 pg.416

Flexible flange 400°C/2h.
Brida antivibratoria 400°C/2h.



CPCC+ FILTERS pg.406

Filter-support casing for circular duct.
Cajón de portafiltras para conducto circular.

THREE PHASE RANGE | SERIE TRIFÁSICA

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | |
|----------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--|
| | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | |
| BOX RLT 400 | 2.163,90 | 2.168,80 | 2.185,00 | 2.189,40 | | | | | | | | |
| BOX RLT 450 | 2.260,00 | 2.265,00 | 2.281,10 | 2.285,60 | 2.325,90 | 2.367,50 | | | | | | |
| BOX RLT 500 | | 2.310,50 | 2.326,60 | 2.331,10 | 2.371,20 | 2.413,00 | 2.502,70 | 2.583,40 | | | | |
| BOX RLT 560 | | 2.416,40 | 2.432,60 | 2.437,10 | 2.477,20 | 2.518,90 | 2.608,70 | 2.689,30 | 2.808,50 | | | |
| BOX RLT 630 | | | 3.286,70 | 3.291,30 | 3.331,50 | 3.373,20 | 3.463,00 | 3.543,50 | 3.662,80 | 3.843,70 | | |
| BOX RLT 710 | | | | | 3.805,90 | 3.847,60 | 3.937,50 | 4.018,10 | 4.137,10 | 4.318,10 | 4.473,20 | |

BOX BD

Centrifugal in soundproof cabinet

Centrífugo en caja insonorizada



MANUFACTURING FEATURES

- Impellers made of polyamide reinforced with fibreglass up to size 12/12. Other models made of galvanised steel sheet.
- BD range fans assembled in soundproof cabinets with thermo-acoustic insulation, Bs1d0 fire class.
- Fan assembled on antivibration mountings.
- Connection gland included.
- Casals exclusive design closed motors with extruded aluminum housing, which make the whole set of connections protected inside the terminal box integrated in the motor with IP-65 protection. Motor with IP-54 protection and class F insulation. Standard voltages 230V 50Hz for single phase motors and 230/400V 50Hz for three phase motors.

APPLICATIONS

Designed for inline installation, indoor or outdoor assembly, they are suitable for:

- Air renewal in buildings and industries.
- Industrial and professional kitchen hood.
- Maximum working temperature: 50°C.

UNDER REQUEST

- 3 speed motor.
- LG0 position. 10% additional cost.
- Impeller made of galvanized sheet.

CARACTERÍSTICAS CONSTRUCTIVAS

- Turbina de poliamida reforzada con fibra de vidrio hasta tamaño 12/12. Resto de modelos en chapa galvanizada.
- Ventiladores de la serie BD montados en cajas de reunión aisladas con aislamiento térmico y acústico con clasificación al fuego Bs1d0.
- Ventilador montado sobre amortiguadores.
- Salida de cables por prensaestopas.
- Motores cerrados de diseño exclusivo Casals con carcasa de aluminio extruido, que hacen que todo el conjunto de conexiones quede protegido dentro de la caja de bornes integrada en el motor con protección IP-65. Motor con protección IP-54 y aislamiento clase F. Voltajes estándar 230V 50Hz para motores monofásicos y 230/400V 50Hz para motores trifásicos.

APLICACIONES

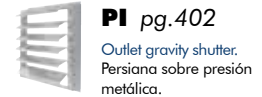
Diseñados para la instalación en conducto, en interior o intemperie, son indicados para:

- Renovación de aire en todo tipo de edificios e industrias.
- Campanas de cocina industriales y profesionales.
- Temperatura máxima de trabajo en continuo: 50°C.

BAJO DEMANDA

- Motor 3 velocidades.
- Posición LG0 incremento 10% sobre PVP.
- Turbina de chapa galvanizada.

ACCESSORIES | ACCESORIOS



SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | Rated R.P.M. | Rated I (A) 230V | Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|------------------------|--------------|--------------------|-------------|---------------|---------------|-----------|----------|
| Código | Modelo | R.P.M. nom. | I nominal (A) 230V | Potencia kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 251100550 | BOX BD 7/7 M4 0,12kW | 1370 | 1,5 | 0,12 | 1.725 | 50 | 19 | 311,50 |
| 251100551 | BOX BD 7/7 M4 0,13kW | 1370 | 1,55 | 0,13 | 1.850 | 56 | 19 | 331,60 |
| 251220550 | BOX BD 9/9 M4 0,35kW | 1375 | 2,7 | 0,35 | 2.670 | 58 | 30 | 377,40 |
| 251320550 | BOX BD 10/10 M4 0,59kW | 1340 | 4,50 | 0,59 | 3.790 | 61 | 34 | 410,80 |
| 251160550 | BOX BD 7/7 M6 0,04kW | 885 | 0,6 | 0,04 | 1.020 | 41 | 20 | 311,50 |
| 251280550 | BOX BD 9/9 M6 0,12kW | 925 | 1,2 | 0,12 | 2.030 | 50 | 28 | 368,60 |
| 251280551 | BOX BD 9/9 M6 0,13kW | 940 | 1,3 | 0,13 | 2.130 | 50 | 28 | 426,50 |
| 251370550 | BOX BD 10/10 M6 0,19kW | 880 | 2,1 | 0,19 | 2.870 | 56 | 32 | 399,50 |
| 251370551 | BOX BD 10/10 M6 0,21kW | 945 | 2,1 | 0,21 | 2.720 | 53 | 34 | 459,50 |
| 251520551 | BOX BD 12/12 M6 0,76kW | 950 | 6,7 | 0,76 | 5.960 | 56 | 49 | 591,10 |
| 251520550 | BOX BD 12/12 M6 0,79kW | 945 | 6,2 | 0,79 | 6.170 | 63 | 49 | 547,20 |

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | Rated R.P.M. | Rated I (A) | | Rated Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|-----------------------|--------------|---------------|------|----------------|---------------|---------------|-----------|----------|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I nominal (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 251520153 | BOX BD 12/12 T6 1,1kW | 945 | 6,54 | 3,78 | 1,1 | 6.090 | 56 | 51 | 561,10 |
| 252370157 | BOX BD 15/15 T6 2,2kW | 900 | 10,92 | 6,31 | 2,2 | 10.450 | 61 | 71 | 905,30 |

BOX BD PLUS

Centrifugal fan in soundproof cabinet box with sandwich panels

Centrífugo en caja insonorizada con panel sándwich



MANUFACTURING FEATURES

- Impellers made of polyamide reinforced with fibreglass (models 7/7, 9/9, 10/10 and 12/12). Other models made of galvanized steel sheet.
- BD range fans assembled in soundproof cabinets.
- Ventilation box with 30 mm aluminum profile structure, nylon corners, galvanized sandwich panels with internal insulation rockwool (25mm thickness) class A1 (non-combustible) of 90kg/m³ density. All panels are equipped with "fastening system" for the quick assembly and disassembly whenever required, either for cleaning, maintenance or exchanging of panels.
- Connection gland included.
- Easy access through lateral panel.
- Fan can be placed in any position by exchanging panels.
- Casals exclusive design closed motors with extruded aluminum housing, which make the whole set of connections protected inside the terminal box integrated in the motor with IP-65 protection. Motor with IP-54 protection and class F insulation. Standard voltages 230V 50Hz for single phase motors and 230/400V 50Hz for three phase motors.

APPLICATIONS

Designed for inline installation, indoor or outdoor assembly, they are suitable for:

- Air renewal in buildings and industries.
- Maximum working temperature: 50°C.

UNDER REQUEST

- 3 speed motor.
- Impeller made of galvanized sheet.
- Rectangular outlet flange.

CARACTERÍSTICAS CONSTRUCTIVAS

- Turbina de poliamida reforzada con fibra de vidrio (modelos 7/7, 9/9, 10/10 y 12/12) resto de modelos con turbina en chapa de acero galvanizado.
- Ventiladores de la serie BD montados en cajas de reunión.
- Caja de ventilación con estructura de perfil de aluminio de 30 mm, esquinas de nylon y panel sándwich de acero galvanizado con aislamiento interno de lana de roca de 25 mm de espesor clase A1 (no combustible) y 90 kg/m³ de densidad. Todos los paneles disponen de "fastening system" (fijación rápida) para el montaje y desmontaje sencillo cada vez que se requiera, ya sea para tareas de limpieza, mantenimiento o intercambio de paneles.
- Salida de cables por prensaestopas.
- Fácil acceso por un panel lateral.
- El ventilador se puede situar en cualquier posición mediante intercambio de paneles.
- Motores cerrados de diseño exclusivo Casals con carcasa de aluminio extruido, que hacen que todo el conjunto de conexiones quede protegido dentro de la caja de bornes integrada en el motor con protección IP-65. Motor con protección IP-54 y aislamiento clase F. Voltajes estándar 230V 50Hz para motores monofásicos y 230/400V 50Hz para motores trifásicos.

APLICACIONES

Diseñados para la instalación en conducto, en interior o intemperie, son indicados para:

- Renovación de aire en todo tipo de edificios e industrias.
- Temperatura máxima de trabajo en continuo: 50°C.

BAJO DEMANDA

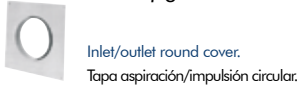
- Motores 3 velocidades.
- Turbina de chapa galvanizada.
- Boca de impulsión rectangular.

ACCESSORIES | ACCESORIOS

SFC pg.433



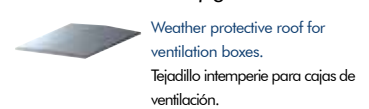
TIAC pg.424



BOX FILTER+FILTERS pg.404



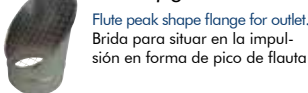
TEJ pg.421



INT pg.434



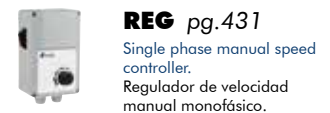
VISC pg.421



CPCC+FILTERS pg.406



REG pg.431



SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | Rated R.P.M. | Rated I (A) 230V | Power kW | Air flow m ³ /h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|-----------------------------|--------------|--------------------|-------------|----------------------------|---------------|-----------|----------|
| Código | Modelo | R.P.M. nom. | I nominal (A) 230V | Potencia kW | Q máx. m ³ /h | Sonido dB (A) | Peso Kg | P.V.P € |
| 251100450 | BOX BD PLUS 7/7 M4 0,12kW | 1370 | 1,5 | 0,12 | 1.725 | 47 | 24 | 454,30 |
| 251100451 | BOX BD PLUS 7/7 M4 0,13kW | 1370 | 1,55 | 0,13 | 1.850 | 53 | 24 | 469,50 |
| 251270450 | BOX BD PLUS 9/7 M4 0,35kW | 1375 | 2,7 | 0,35 | 2.400 | 54 | 32 | 511,20 |
| 251220450 | BOX BD PLUS 9/9 M4 0,35kW | 1375 | 2,7 | 0,35 | 2.670 | 55 | 33 | 527,70 |
| 251340450 | BOX BD PLUS 10/8 M4 0,59kW | 1340 | 4,50 | 0,59 | 3.260 | 57 | 40 | 551,50 |
| 251320450 | BOX BD PLUS 10/10 M4 0,59kW | 1340 | 4,50 | 0,59 | 3.790 | 58 | 42 | 566,30 |
| 251160450 | BOX BD PLUS 7/7 M6 0,04kW | 885 | 0,6 | 0,04 | 1.020 | 38 | 24 | 442,60 |
| 251280450 | BOX BD PLUS 9/9 M6 0,12kW | 925 | 1,2 | 0,12 | 2.030 | 47 | 32 | 504,20 |
| 251280451 | BOX BD PLUS 9/9 M6 0,13kW | 940 | 1,3 | 0,13 | 2.130 | 47 | 33 | 561,20 |
| 251370450 | BOX BD PLUS 10/10 M6 0,19kW | 880 | 2,1 | 0,19 | 2.870 | 53 | 40 | 540,30 |
| 251370451 | BOX BD PLUS 10/10 M6 0,21kW | 945 | 2,1 | 0,21 | 2.720 | 50 | 42 | 585,70 |
| 251600452 | BOX BD PLUS 12/9 M6 0,76kW | 950 | 6,7 | 0,76 | 5.540 | 53 | 51 | 732,00 |
| 251600450 | BOX BD PLUS 12/9 M6 0,79kW | 945 | 6,2 | 0,79 | 5.640 | 57 | 51 | 698,30 |
| 251520451 | BOX BD PLUS 12/12 M6 0,76kW | 950 | 6,7 | 0,76 | 5.960 | 53 | 54 | 727,10 |
| 251520450 | BOX BD PLUS 12/12 M6 0,79kW | 945 | 6,2 | 0,79 | 6.170 | 60 | 54 | 693,90 |

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | Rated R.P.M. | Rated I (A) | | Rated Power kW | Air flow m ³ /h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|----------------------------|--------------|---------------|------|----------------|----------------------------|---------------|-----------|----------|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I nominal (A) | | P. Nom. kW | Q máx. m ³ /h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 251600451 | BOX BD PLUS 12/9 T6 1,1kW | 945 | 6,54 | 3,78 | 1,1 | 5.480 | 53 | 53 | 689,50 |
| 251520453 | BOX BD PLUS 12/12 T6 1,1kW | 945 | 6,54 | 3,78 | 1,1 | 6.090 | 53 | 54 | 690,80 |
| 252370457 | BOX BD PLUS 15/15 T6 2,2kW | 900 | 10,92 | 6,31 | 2,2 | 10.450 | 58 | 70 | 1.109,70 |

BOX BD CA

Centrifugal in soundproof cabinet with filter

Centrífugo de baja presión con caja insonorizada y filtro



MANUFACTURING FEATURES

- Polyamide impeller reinforced with fibreglass in models up to 12/12. The impeller of the rest of models are made of galvanised steel sheet.
- BD range fans assembled in soundproof cabinets with thermo-acoustic insulation, Bs1d0 fire class.
- Fan assembled on antivibration mountings.
- Connection gland included.
- Box with particle filter ISO COARSE >90% (G4) integrated. Removable filter holder frame from both sides of the box for maintenance. Washable and replaceable filter media. Optimized air intake to maximize performance.
- Casals exclusive design closed motors with extruded aluminum housing, which make the whole set of connections protected inside the terminal box integrated in the motor with IP-65 protection. Motor with IP-54 protection and class F insulation. Standard voltages 230V 50Hz for single phase motors and 230/400V 50Hz for three phase motors.

APPLICATIONS

Designed for inline installation, indoor or outdoor assembly, they are suitable for:

- Air renewal in buildings and industries.
- Industrial and professional kitchen hood.
- Maximum working temperature: 50°C.

UNDER REQUEST

- 3 speed fans.
- LG0 position. 10% additional cost.
- Impeller made of galvanized sheet.

CARACTERÍSTICAS CONSTRUCTIVAS

- Turbina de poliamida reforzada con fibra de vidrio para tamaños hasta 12/12. Resto de modelos en chapa galvanizada.
- Ventiladores de la serie BD montados en cajas de reunión aisladas con aislamiento térmico y acústico con clasificación al fuego Bs1d0.
- Ventilador montado sobre amortiguadores.
- Salida de cables por prensaestopas.
- Caja con filtro de partículas ISO COARSE >90% (G4) integrado. Marco porta filtros extraíble desde ambos laterales de la caja para el mantenimiento. Manta filtrante lavable y sustituible. Entrada de aire optimizada para maximizar el rendimiento.
- Motores cerrados de diseño exclusivo Casals con carcasa de aluminio extruido, que hacen que todo el conjunto de conexiones quede protegido dentro de la caja de bornes integrada en el motor con protección IP-65. Motor con protección IP-54 y aislamiento clase F. Voltajes estándar 230V 50Hz para motores monofásicos y 230/400V 50Hz para motores trifásicos.

APLICACIONES

Diseñados para la instalación en conducto, en interior o intemperie, son indicados para:

- Renovación de aire en todo tipo de edificios e industrias.
- Campanas de cocina industriales y profesionales.
- Temperatura máxima de trabajo en continuo: 50°C.

BAJO DEMANDA

- Motor 3 velocidades.
- Posición LG0 incremento 10% sobre PVP.
- Turbina de chapa galvanizada.

ACCESSORIES | ACCESORIOS



INT pg.434

Safety switch.
Interrupor de corte.



SFC pg.433

Frequency speed controller.
Variador de velocidad frecuencial.



REG pg.431

Speed controller for single phase motors.
Regulador de velocidad manual monofásico.



PI pg.402

Outlet gravity shutter.
Persiana sobre presión metálica.



VIS pg.421

Flange with bird guard.
Visera con malla anti-pájaros.



TIAC pg.424

Inlet/outlet round cover.
Tapa aspiración/impulsión circular.



FILTERS pg.404

Filter ISO Coarse>90% para BOX BD/
BV CA.
Filtro ISO Coarse>90% para BOX BD/
BV CA.



BAC pg.425

Accessory to connect boxes.
Brida antivibratoria rectangular-circular.

SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | Rated R.P.M. | Rated I (A) 230V | Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|--------------|---------------------------|--------------|--------------------|-------------|---------------|---------------|-----------|----------|
| Código | Modelo | R.P.M. nom. | I nominal (A) 230V | Potencia kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € |
| 251100350STC | BOX BD CA 7/7 M4 0,12kW | 1370 | 1,5 | 0,12 | 1.725 | 50 | 19 | 349,60 |
| 251100351STC | BOX BD CA 7/7 M4 0,13kW | 1370 | 1,55 | 0,13 | 1.850 | 56 | 19 | 369,70 |
| 251220350STC | BOX BD CA 9/9 M4 0,35kW | 1375 | 2,7 | 0,35 | 2.670 | 58 | 30 | 419,90 |
| 251320350STC | BOX BD CA 10/10 M4 0,59kW | 1340 | 4,5 | 0,59 | 3.790 | 61 | 34 | 453,30 |
| 251160350STC | BOX BD CA 7/7 M6 0,04kW | 885 | 0,6 | 0,04 | 1.020 | 41 | 20 | 349,60 |
| 251280350STC | BOX BD CA 9/9 M6 0,12kW | 925 | 1,2 | 0,12 | 2.030 | 50 | 28 | 411,10 |
| 251280351STC | BOX BD CA 9/9 M6 0,13kW | 940 | 1,3 | 0,13 | 2.130 | 50 | 28 | 469,10 |
| 251370350STC | BOX BD CA 10/10 M6 0,19kW | 880 | 2,1 | 0,19 | 2.870 | 56 | 32 | 445,60 |
| 251370351STC | BOX BD CA 10/10 M6 0,21kW | 945 | 2,1 | 0,21 | 2.720 | 53 | 34 | 505,60 |
| 251520351STC | BOX BD CA 12/12 M6 0,76kW | 950 | 6,7 | 0,76 | 5.960 | 56 | 49 | 644,10 |
| 251520350STC | BOX BD CA 12/12 M6 0,79kW | 945 | 6,2 | 0,79 | 6.170 | 63 | 49 | 600,20 |

* data without filter / datos sin filtro

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | Rated R.P.M. | Rated I (A) | | Rated Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|--------------|--------------------------|--------------|---------------|------|----------------|---------------|---------------|-----------|----------|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I nominal (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € |
| | | | 230V | 400V | | | | | |
| 251519953STC | BOX BD CA 12/12 T6 1,1kW | 945 | 6,54 | 3,78 | 1,1 | 6090 | 56 | 51 | 614,10 |

* data without filter / datos sin filtro

BOX BD EEC

Centrifugal in soundproof cabinet with electronic motor

Centrífugo de baja presión con caja insonorizada con motor electrónico



MANUFACTURING FEATURES

- Polyamide impeller reinforced with fiberglass.
- BD EEC series fans mounted in isolated soundproof cabinet with thermal and acoustic insulation with fire classification Bs1d0.
- Fan mounted on antivibration mountings.
- Connection gland included.
- Motor fixing with an exclusive system designed by Casals through flexible arms and silent blocks to avoid vibration. Flexible arms in compliance with the ROHS 2002/95/EC Directive (Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipments).
- Motor brushless PM (imanes permanentes), síncrono, conmutado electrónicamente, de alta eficiencia y bajo nivel sonoro. Especialmente diseñado para ventiladores con electrónica de funcionamiento y control en caja deportada IP 65.
 - Rango de trabajo: desde 400 hasta 1200-2000rpm (dependiendo de los modelos).
 - Motor con protección IP54 y aislamiento clase F. Caja del drive IP 65.
 - Alimentación: 220V ± 10% monofásica.
 - Frecuencia de alimentación: 50/60Hz.
 - Rango de temperatura de funcionamiento: -20°C a 50°C.
 - Control de velocidad a través de señal 0-10V o PWM.

APPLICATIONS

Designed for inline installation, indoor or outdoor assembly, they are suitable for:

- Air renewal in buildings and industries.
- Industrial and professional kitchen hoods.
- Maximum working temperature: 50°C.

UNDER REQUEST

- LGO position +10% RRP.
- Impellers made of galvanised steel sheet.

CARACTERÍSTICAS CONSTRUCTIVAS

- Turbina de poliamida reforzada con fibra de vidrio.
- Ventiladores de la serie BD EEC montados en cajas de reunión aisladas con aislamiento térmico y acústico con clasificación al fuego Bs1d0.
- Ventilador montado sobre amortiguadores.
- Salida de cables por prensaestopas.
- Sistema exclusivo Casals de fijación del motor al ventilador y a la turbina mediante brazos flexores que unidos a silent blocks evitan cualquier tipo de vibración. Brazos en cumplimiento con la directiva ROHS 2002/95/EC (Restricción de sustancias peligrosas en equipos eléctricos y electrónicos).
- PM brushless motor (permanent magnets), synchronous, electronically commutated, high efficiency and low sound level. Specially designed for fans with electronic operation and control in deformed box IP65.
 - Working range: from 400 to 1200-2000rpm (depending on the models).
 - Motor with IP54 protection and class F insulation. IP 65 drive case.
 - Power: 220V ± 10% single phase.
 - Power frequency: 50/60Hz.
 - Operating temperature range: -20°C to 50°C.
 - Speed control through signal 0-10V or PWM.

APLICACIONES

Diseñados para la instalación en conducto, en interior o intemperie, son indicados para:

- Renovación de aire en todo tipo de edificios e industrias.
- Campanas de cocina industriales y profesionales.
- Temperatura máxima de trabajo en continuo: 50°C.

BAJO DEMANDA

- Posición LGO +10% PVP.
- Turbina de chapa galvanizada.

ACCESSORIES | ACCESORIOS



INT pg.434
Safety switch.
Interruptor de corte.



TIAC pg.424
Inlet/outlet round cover.
Tapa aspiración/impulsión circular.



PI pg.402
Outlet gravity shutter.
Persiana sobre presión metálica.



BAC pg.425
Accessory to connect boxes.
Brida antivibratoria rectangular-circular.



TCA pg.419
Inlet blind cover.
Tapa ciega aspiración.



VIS pg.421
Flange with bird guard.
Visera con malla antipájaros.



REGC pg.431
Air flow controller for EEC motors.
Regulador de caudal para motores EEC.

SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | Max. R.P.M. | Rated I (A) 230V | Power kW | Air flow m³/h | Sound dB (A) 1,5m | Weight Kg | R.R.P. € |
|-------------|------------------|-------------|--------------------|-------------|---------------|--------------------|-----------|----------|
| Código | Modelo | Max. R.P.M. | I nominal (A) 230V | Potencia kW | Q máx. m³/h | Sonido dB (A) 1,5m | Peso Kg | P.V.P. € |
| 251169554EC | BOX BD 7/7 EEC | 2000 | 5 | 0,37 | 2.860 | 52 | 19 | 579,30 |
| 251289554EC | BOX BD 9/9 EEC | 2000 | 6 | 0,75 | 4.280 | 57 | 32 | 749,00 |
| 251379554EC | BOX BD 10/10 EEC | 1800 | 10 | 1,5 | 5.820 | 58 | 31 | 965,40 |
| 251529554EC | BOX BD 12/12 EEC | 1200 | 10 | 1,5 | 7.420 | 58 | 54 | 1.134,10 |

BOX BD PLUS EEC

Centrifugal fan in soundproof box with sandwich panels and EEC motor
Centrífugo en caja insonorizada con panel sándwich con motor EEC



MANUFACTURING FEATURES

- Impellers made of polyamide reinforced with fibreglass (models 7/7, 9/9, 10/10 and 12/12). Other models made of galvanised steel sheet.
- BD EEC 2018 range fans assembled in soundproof cabinets.
- Ventilation box with 30 mm aluminum profile structure, nylon corners, galvanized sandwich panels with internal insulation rockwool (25mm thickness) class A1 (non-combustible) of 90kg/m³ density. All panels are equipped with "fastening system" for the quick assembly and disassembly whenever required, either for cleaning, maintenance or exchanging of panels.
- Connection gland included.
- Easy access through lateral panel.
- Fan can be placed in any position by exchanging panels.
- Motor fixing with an exclusive system designed by Casals through flexible arms and silent blocks to avoid vibration. Flexible arms in compliance with the ROHS 2002/95/EC Directive (Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipments).
- PM brushless motor (permanent magnets), synchronous, electronically commutated, high efficiency and low sound level. Specially designed for fans with electronic operation and control in deported box IP65.
 - Working range: from 400 to 1200-2000rpm (depending on the models).
 - Motor with IP54 protection and class F insulation. IP 65 drive case.
 - Power: 220V ± 10% single phase.
 - Power frequency: 50 / 60Hz.
 - Operating temperature range: -20°C to 50°C.
 - Speed control through signal 0-10V or PWM.

APPLICATIONS

- Designed for inline installation, indoor or outdoor assembly, they are suitable for:
- Air renewal in buildings and industries.
 - Maximum working temperature: 50°C.

UNDER REQUEST

- Impeller made of galvanized sheet.

CARACTERÍSTICAS CONSTRUCTIVAS

- Turbina de poliamida reforzada con fibra de vidrio (modelos 7/7, 9/9, 10/10 y 12/12) resto de modelos con turbina en chapa de acero galvanizado.
- Ventiladores de la serie BD EEC 2018 montados en cajas de reunión.
- Caja de ventilación con estructura de perfil de aluminio de 30 mm, esquinas de nylon y panel sándwich de acero galvanizado con aislamiento interno de lana de roca de 25 mm de espesor clase A1 (no combustible) y 90 kg/m³ de densidad. Todos los paneles disponen de "fastening system" (fijación rápida) para el montaje y desmontaje sencillo cada vez que se requiera, ya sea para tareas de limpieza, mantenimiento o intercambio de paneles.
- Salida de cables por prensaestopas.
- Fácil acceso por un panel lateral.
- El ventilador se puede situar en cualquier posición mediante intercambio de paneles.
- Sistema exclusivo Casals de fijación del motor al ventilador y a la turbina mediante brazos flexores que unidos a silent blocks evitan cualquier tipo de vibración. Brazos en cumplimiento con la directiva ROHS 2002/95/EC (Restricción de sustancias peligrosas en equipos eléctricos y electrónicos).
- Motor brushless PM (imanes permanentes), síncrono, conmutado electrónicamente, de alta eficiencia y bajo nivel sonora. Especialmente diseñado para ventiladores con electrónica de funcionamiento y control en caja deportada IP 65.
 - Rango de trabajo: desde 400 hasta 1200-2000rpm (dependiendo de los modelos).
 - Motor con protección IP54 y aislamiento clase F. Caja del drive IP 65.
 - Alimentación: 220V±10% monofásica.
 - Frecuencia de alimentación: 50/60Hz.
 - Rango de temperatura de funcionamiento: -20°C a 50°C.
 - Control de velocidad a través de señal 0-10V o PWM.

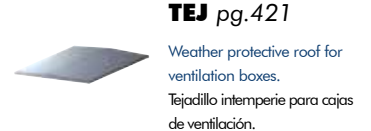
APLICACIONES

- Diseñados para la instalación en conducto, en interior o intemperie, son indicados para:
- Renovación de aire en todo tipo de edificios e industrias.
 - Temperatura máxima de trabajo en continuo: 50°C.

BAJO DEMANDA

- Turbina de chapa galvanizada.

ACCESSORIES | ACCESORIOS



SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | Max. R.P.M. | Rated I (A) 230V | Power kW | Air flow m ³ /h | Sound dB (A) 1,5m | Weight Kg | R.R.P € |
|-------------|-----------------------|-------------|--------------------|-------------|----------------------------|--------------------|-----------|----------|
| Código | Modelo | Max. R.P.M. | I nominal (A) 230V | Potencia kW | Q máx. m ³ /h | Sonido dB (A) 1,5m | Peso Kg | P.V.P € |
| 251169454EC | BOX BD PLUS 7/7 EEC | 2000 | 5 | 0,37 | 2.860 | 50 | 24 | 812,30 |
| 251269454EC | BOX BD PLUS 9/7 EEC | 2000 | 6 | 0,75 | 3.940 | 53 | 30,5 | 986,30 |
| 251289454EC | BOX BD PLUS 9/9 EEC | 2000 | 6 | 0,75 | 4.280 | 55 | 35 | 1.000,20 |
| 251339454EC | BOX BD PLUS 10/8 EEC | 1800 | 10 | 1,5 | 5.960 | 59 | 36 | 1.202,60 |
| 251379454EC | BOX BD PLUS 10/10 EEC | 1800 | 10 | 1,5 | 5.820 | 56 | 39 | 1.209,60 |
| 251609454EC | BOX BD PLUS 12/9 EEC | 1200 | 10 | 1,5 | 6.440 | 57 | 53 | 1.431,60 |
| 251529454EC | BOX BD PLUS 12/12 EEC | 1200 | 10 | 1,5 | 7.420 | 56 | 59 | 1.452,50 |

BOX BV

Belt driven centrifugal in soundproof cabinet

Centrífugo a transmisión en caja insonorizada



MANUFACTURING FEATURES

- Impellers made of polyamide reinforced with fibreglass up to size 12/12. Other models are made of galvanised steel sheet.
- BV, BVC, BVCR range fans assembled in soundproof cabinets with thermo-acoustic insulation, Bs1d0 fire class.
- Fan assembled on antivibration mountings.
- Supplied with motor, pulleys and belts.
- Connection gland included.
- Squirrel cage asynchronous standard motor, IP-55 protection and rated class F insulation. Standard voltages 230/400V 50Hz for three phase, motors up to 4kW and 400/690V 50Hz for higher powers.

APPLICATIONS

- Designed for inline installation, indoor or outdoor assembly, they are suitable for:
- Air renewal in buildings and industries.
 - Industrial and professional kitchen hood.
 - Maximum working temperature: 60°C.

UNDER REQUEST

- 2 speed motors.
- LG0 position.
- Impeller made of galvanized sheet.
- Special voltages.

CARACTERÍSTICAS CONSTRUCTIVAS

- Turbina de poliamida reforzada con fibra de vidrio hasta el tamaño 12/12. Resto de modelos en chapa galvanizada.
- Ventiladores de la serie BV, BVC, BVCR montados en cajas de reunión aisladas con aislamiento térmico y acústico con clasificación al fuego Bs1d0.
- Ventilador montado sobre amortiguadores.
- El ventilador se suministra con motor montado en base, con poleas y correas.
- Salida de cables por prensaestopas.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.

APLICACIONES

- Diseñados para la instalación en conducto, en interior o intemperie, son indicados para:
- Renovación de aire en todo tipo de edificios e industrias.
 - Campanas de cocina industriales y profesionales.
 - Temperatura máxima de trabajo en continuo: 60°C.

BAJO DEMANDA

- Motores 2 velocidades.
- Posición LG0+10%.
- Turbina de chapa galvanizada.
- Voltajes especiales.

This is a belt driven range, each model can be manufactured at different rpm, in case of order should be indicated the desired rpm for the correct operation of the unit and according to the needs.

Esta gama es a transmisión, cada modelo se puede fabricar a distintas rpm, en caso de pedido se debe indicar las rpm a las que desea el equipo para que el modelo quede correctamente definido y sea adecuado a sus necesidades.



This product meets the AMCA ratings for flow/pressure and sound up to model 18/18 according to catalog VIAC 001. Este producto sigue los AMCA ratings para caudal/presión y sonido hasta modelo 18/18 según catálogo VIAC 001.

ACCESSORIES | ACCESORIOS



INT pg.434
Safety switch.
Interruptor de corte.



SFC pg.433
Frequency speed controller.
Variador de velocidad frecuencial.



VIS pg.421
Flange with bird guard.
Visera con malla antipájaros.



PI pg.402
Outlet gravity shutter.
Persiana sobre presión metálica.



TIAC pg.424
Inlet/outlet round cover.
Tapa aspiración/impulsión circular.



TCA pg.419
Inlet blind cover.
Tapa ciega aspiración.



TEJ pg.421
Weather protective roof for ventilation boxes.
Tejadillo intemperie para cajas de ventilación.



BAC pg.425
Accessory to connect boxes.
Brida antivibratoria rectangular-circular.

THREE PHASE RANGE | SERIE TRIFÁSICA

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | |
|----------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | |
| BOX BV 7/7 | 517,60 | 533,60 | 538,10 | | | | | | | | | | | |
| BOX BV 9/9 | 586,80 | 603,00 | 607,40 | 647,60 | | | | | | | | | | |
| BOX BV 10/10 | 618,50 | 634,70 | 639,10 | 679,30 | 721,00 | | | | | | | | | |
| BOX BV 12/12 | 733,10 | 749,10 | 753,70 | 793,70 | 835,60 | 925,30 | | | | | | | | |
| BOX BV 15/15 | | 1.053,70 | 1.058,20 | 1.098,30 | 1.140,10 | 1.229,90 | 1.310,50 | 1.429,50 | | | | | | |
| BOX BV 18/18 | | | | 1.198,80 | 1.240,60 | 1.330,40 | 1.411,00 | 1.530,20 | 1.711,20 | | | | | |
| BOX BV 20/20 | | | | | 2.794,10 | 2.884,00 | 2.964,60 | 3.083,70 | 3.264,60 | 3.419,60 | 3.736,70 | | | |
| BOX BV 22/22 | | | | | 3.002,00 | 3.091,90 | 3.172,50 | 3.291,60 | 3.472,50 | 3.627,60 | 3.944,60 | | | |
| BOX BV 25/25 | | | | | | 3.673,60 | 3.754,20 | 3.873,30 | 4.054,30 | 4.209,30 | 4.526,40 | 4.698,80 | | |
| BOX BV 30/28 | | | | | | 4.274,30 | 4.355,00 | 4.474,10 | 4.655,00 | 4.810,20 | 5.127,10 | 5.299,60 | 5.495,00 | |

BOX BV PLUS

Belt driven centrifugal in soundproof cabinet with double skin insulation

Centrífugo a transmisión en caja insonorizada con panel sándwich



MANUFACTURING FEATURES

- Impellers made of polyamide reinforced with fibreglass up to size 12/12. Other models are made of galvanised steel sheet.
- BV, BVC, BVCR range fans assembled in soundproof cabinets.
- Ventilation box with 30 mm aluminum profile structure, nylon corners, galvanized sandwich panels with internal insulation rockwool (25mm thickness) class A1 (non-combustible) of 90kg/m³ density. All panels are equipped with "fastening system" for the quick assembly and disassembly whenever required, either for cleaning, maintenance or exchanging of panels.
- Fan assembled on antivibration mountings.
- Supplied with motor, pulleys and belts.
- Connection gland included.
- Squirrel cage asynchronous standard motor, IP-55 protection and rated class F insulation. Standard voltages 230/400V 50Hz for three phase, motors up to 4kW and 400/690V 50Hz for higher powers.

APPLICATIONS

Designed for inline installation, indoor or outdoor assembly, they are suitable for:

- Air renewal in buildings and industries.
- Industrial and professional kitchen hood.
- Maximum working temperature: 60°C.

UNDER REQUEST

- Special voltages.
- 2 speed motors.
- LG0 position+10 RRP.
- Impeller made of galvanized sheet.

This is a belt driven range, each model can be manufactured at different rpm, in case of order should be indicated the desired rpm for the correct operation of the unit and according to the needs.

CARACTERÍSTICAS CONSTRUCTIVAS

- Turbina de poliamida reforzada con fibra de vidrio hasta el tamaño 12/12). Resto de modelos en chapa galvanizada.
- Ventiladores de la serie BV, BVC, BVCR montados en cajas de reunión.
- Caja de ventilación con estructura de perfil de aluminio de 30 mm, esquinas de nylon y panel sándwich de acero galvanizado con aislamiento interno de lana de roca de 25 mm de espesor clase A1 (no combustible) y 90 kg/m³ de densidad. Todos los paneles disponen de "fastening system" (fijación rápida) para el montaje y desmontaje sencillo cada vez que se requiera, ya sea para tareas de limpieza, mantenimiento o intercambio de paneles.
- Ventilador montado sobre amortiguadores.
- El ventilador se suministra con motor montado en base, con poleas y correas.
- Salida de cables por prensaestopas.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.

APLICACIONES

Diseñados para la instalación en conducto, en interior o intemperie, son indicados para:

- Renovación de aire en todo tipo de edificios e industrias.
- Campanas de cocina industriales y profesionales.
- Temperatura máxima de trabajo en continuo: 60°C.

BAJO DEMANDA

- Voltajes especiales.
- Motores 2 velocidades.
- Posición LG0+10%.
- Turbina de chapa galvanizada.

Esta gama es a transmisión, cada modelo se puede fabricar a distintas rpm, en caso de pedido se debe indicar las rpm a las que desea el equipo para que el modelo quede correctamente definido y sea adecuado a sus necesidades.

ACCESSORIES | ACCESORIOS



SFC pg.433

Frecuency speed controller.
Variador de velocidad
frecuencial.



TIAC pg.424

Inlet/outlet round cover.
Tapa aspiración/impulsión
circular.



BOX FILTER+FILTERS pg.404

External box filter.
Caja portafiltras exterior.



INT pg.434

Safety switch.
Interrupor de corte.

TEJ pg.421



Weather protective roof for
ventilation boxes.
Tejadillo intemperie para cajas
de ventilación.

THREE PHASE RANGE | SERIE TRIFÁSICA

| Model Modelo | Power Potencia (kW) | | | | | | | | |
|-------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 |
| BOX BV PLUS 7/7 | 697,80 | 713,90 | 713,40 | | | | | | |
| BOX BV PLUS 9/9 | 796,00 | 812,10 | 816,60 | 856,70 | | | | | |
| BOX BV PLUS 10/10 | 866,90 | 883,00 | 887,50 | 927,70 | 969,40 | | | | |
| BOX BV PLUS 12/12 | 967,40 | 983,60 | 988,10 | 1.028,20 | 1.069,90 | 1.159,70 | | | |
| BOX BV PLUS 15/15 | | 1.178,20 | 1.182,80 | 1.222,90 | 1.264,70 | 1.354,40 | 1.435,00 | 1.554,20 | |
| BOX BV PLUS 18/18 | | | | 1.400,80 | 1.442,50 | 1.532,30 | 1.612,90 | 1.732,10 | 1.913,00 |

BOX BV CA

Belt driven centrifugal in soundproof cabinet with filter

Centrífugo a transmisión en caja insonorizada y filtro



MANUFACTURING FEATURES

- Impellers made of polyamide reinforced with fibreglass.
- BV range fans assembled in soundproof cabinets with thermo-acoustic insulation, Bs1d0 fire class.
- Fan assembled on antivibration mountings.
- Supplied with motor, pulleys and belts.
- Connection gland included.
- Squirrel cage asynchronous standard motor, IP-55 protection and rated class F insulation. Standard voltages 230/400V 50Hz for three phase, motors up to 4kW and 400/690V 50Hz for higher powers.
- Box with particle filter ISO COARSE >90% (G4) integrated. Removable filter holder frame from both sides of the box for maintenance. Washable and replaceable filter media. Optimized air intake to maximize performance.

APPLICATIONS

Designed for inline installation, indoor or outdoor assembly, they are suitable for:

- Air renewal in buildings and industries.
- Industrial and professional kitchen hood.
- Maximum continuous working temperature: 60°C.

UNDER REQUEST

- Special voltages.
- 2 speed motors.
- LG0 position + 10% RRP.
- Impeller made of galvanized sheet.

CARACTERÍSTICAS CONSTRUCTIVAS

- Turbina de poliamida reforzada con fibra de vidrio.
- Ventiladores de la serie BV montados en cajas de reunión aisladas con aislamiento térmico y acústico con clasificación al fuego Bs1d0.
- Ventilador montado sobre amortiguadores.
- El ventilador se suministra con motor montado en base, con poleas y correas.
- Salida de cables por prensaestopas.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos.
- Caja con filtro de partículas ISO COARSE >90% (G4) integrado. Marco porta filtros extraíble desde ambos laterales de la caja para el mantenimiento. Manta filtrante lavable y sustituible. Entrada de aire optimizada para maximizar el rendimiento.

APLICACIONES

Diseñados para la instalación en conducto, en interior o intemperie, son indicados para:

- Renovación de aire en todo tipo de edificios e industrias.
- Campanas de cocina industriales y profesionales.
- Temperatura máxima de trabajo en continuo: 60°C.

BAJO DEMANDA

- Voltajes especiales.
- Motor 2 velocidades.
- Posición LG0+10%.
- Turbina de chapa galvanizada.

This is a belt driven range, each model can be manufactured at different rpm, in case of order should be indicated the desired rpm for the correct operation of the unit and according to the needs.

Esta gama es a transmisión, cada modelo se puede fabricar a distintas rpm, en caso de pedido se debe indicar las rpm a las que desea el equipo para que el modelo quede correctamente definido y sea adecuado a sus necesidades.

ACCESSORIES | ACCESORIOS



INT pg.434

Safety switch.
Interrupor de corte.



SFC pg.433

Frequency speed controller.
Variador de velocidad frecuencial.



VIS pg.421

Flange with bird guard.
Visera con malla antipájaros.



PI pg.402

Outlet gravity shutter.
Persiana sobre presión metálica.



TIAC pg.424

Inlet/outlet round cover.
Tapa aspiración/impulsión circular.



FILTERS pg.404

Filter ISO Coarse>90% para BOX BD/BV CA.
Filtro ISO Coarse>90% para BOX BD/BV CA.

THREE PHASE RANGE | SERIE TRIFÁSICA

| Model Modelo | Power Potencia (kW) | | | | | |
|-----------------|-----------------------|--------|--------|--------|--------|----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 |
| BOX BV CA 7/7 | 570,90 | 587,10 | 591,40 | | | |
| BOX BV CA 9/9 | 682,80 | 698,90 | 703,40 | 743,50 | | |
| BOX BV CA 10/10 | 727,30 | 743,40 | 747,80 | 788,00 | 829,70 | |
| BOX BV CA 12/12 | 858,90 | 875,10 | 879,50 | 919,60 | 961,40 | 1.051,10 |

TWIN BOX BD

Double centrifugal in soundproof cabinet

Doble centrífugo en caja insonorizada



MANUFACTURING FEATURES

- Impellers made of reinforced polyamide with fiber glass up to size 12/12. Size 15/15 made of galvanized steel sheet
- BD range fans assembled in soundproof cabinets with thermo-acoustic insulation, Bs1 d0 fire class.
- Fan assembled on antivibration mountings.
- Connection gland included.
- Equipped with inlet deflector wing, minimizing the turbulence and optimizing efficiency.
- Closed motors specially designed by Casals. Extruded aluminium motor housing. Totally enclosed wiring box IP-65. IP-54 motor protection and rated class F insulation. Standard voltages 230V 50 Hz for single phase and 230/400V 50Hz for three phase motors.
- Fans can run separately or simultaneously.

APPLICATIONS

Designed for inline installation, indoor or outdoor assembly, they are suitable for:

- Air renewal in buildings and industries.
- Industrial and professional kitchen hood.
- Maximum working temperature: 50°C.

UNDER REQUEST

- 3 speed fans.
- LG0 position +10% RRP.
- Impeller made of galvanized sheet.
- Aluminium box up to size 12/12.

CARACTERÍSTICAS CONSTRUCTIVAS

- Turbina de poliamida reforzada con fibra de vidrio hasta tamaño 12/12. Resto de modelos turbina de chapa galvanizada.
- Ventiladores de la serie BD montados en cajas de reunión aisladas con aislamiento térmico y acústico con clasificación al fuego Bs1 d0.
- Ventilador montado sobre amortiguadores.
- Salida de cables por prensaestopas.
- Equipados con aleta deflectora en aspiración, minimizando la turbulencia y optimizando el rendimiento.
- Motores cerrados de diseño exclusivo Casals con carcasa de aluminio extruido, que hacen que todo el conjunto de conexiones quede protegido dentro de la caja de bornes integrada en el motor con protección IP-65. Motor con protección IP-54 y aislamiento clase F. Voltajes estándar 230V 50Hz para motores monofásicos y 230/400V 50Hz para motores trifásicos.
- Los ventiladores pueden funcionar separados o simultáneamente.

APLICACIONES

Diseñados para la instalación en conducto, en interior o intemperie, son indicados para:

- Renovación de aire en todo tipo de edificios e industrias.
- Campanas de cocina industriales y profesionales.
- Temperatura máxima de trabajo en continuo: 50°C.

BAJO DEMANDA

- Motor 3 velocidades.
- Posición LG0 incremento 10% sobre PVP.
- Turbina de chapa galvanizada.
- Caja en aluminio hasta tamaño 12/12.

ACCESSORIES | ACCESORIOS



INT pg.434

Safety switch.
Interruptor de corte.



SFC pg.433

Frequency speed controller.
Variador de velocidad frecuencial.



VIS pg.421

Flange with bird guard.
Visera con malla antipájaros.



PI pg.402

Outlet gravity shutter.
Persiana sobre presión metálica.



REG TWIN pg.432

Automatic switch "twin" fans to work alternatively.
Conmutador automático de ventiladores "twin" para trabajar alternativamente.



REG pg.431

Speed controller for single phase motors.
Regulador de velocidad manual monofásico.

SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | Rated R.P.M. | Rated I (A) 230V | Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-------------|-----------------------------|--------------|--------------------|-------------|---------------|---------------|-----------|----------|
| Código | Modelo | R.P.M. nom. | I nominal (A) 230V | Potencia kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € |
| TW251100550 | TWIN BOX BD 7/7 M4 0,12kW | 1370 | 2 x 1,5 | 2 x 0,12 | 3.450 | 59 | 36 | 651,10 |
| TW251100551 | TWIN BOX BD 7/7 M4 0,13kW | 1370 | 2 x 1,55 | 2 x 0,13 | 3.700 | 59 | 36 | 693,10 |
| TW251220550 | TWIN BOX BD 9/9 M4 0,35kW | 1375 | 2 x 2,7 | 2 x 0,35 | 5.340 | 61 | 57 | 788,80 |
| TW251320550 | TWIN BOX BD 10/10 M4 0,59kW | 1340 | 2 x 4,50 | 2 x 0,59 | 7.580 | 64 | 64 | 858,40 |
| TW251160550 | TWIN BOX BD 7/7 M6 0,04kW | 885 | 2 x 0,6 | 2 x 0,04 | 2.040 | 44 | 38 | 651,10 |
| TW251280550 | TWIN BOX BD 9/9 M6 0,12kW | 925 | 2 x 1,2 | 2 x 0,12 | 4.060 | 53 | 53 | 770,20 |
| TW251280551 | TWIN BOX BD 9/9 M6 0,13kW | 940 | 2 x 1,3 | 2 x 0,13 | 4.260 | 53 | 53 | 891,40 |
| TW251370550 | TWIN BOX BD 10/10 M6 0,19kW | 880 | 2 x 2,1 | 2 x 0,19 | 5.740 | 59 | 61 | 834,90 |
| TW251370551 | TWIN BOX BD 10/10 M6 0,21kW | 945 | 2 x 2,1 | 2 x 0,21 | 5.440 | 56 | 65 | 960,50 |
| TW251520551 | TWIN BOX BD 12/12 M6 0,76kW | 950 | 2 x 6,7 | 2 x 0,76 | 11.920 | 59 | 93 | 1.235,40 |
| TW251520550 | TWIN BOX BD 12/12 M6 0,79kW | 945 | 2 x 6,2 | 2 x 0,79 | 12.340 | 66 | 93 | 1.143,40 |

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | Rated R.P.M. | Rated I (A) | | Rated Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-------------|----------------------------|--------------|---------------|--------|----------------|---------------|---------------|-----------|----------|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I nominal (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € |
| | | | 230V | 400V | | | | | |
| TW251520153 | TWIN BOX BD 12/12 T6 1,1kW | 945 | 2x6,54 | 2x3,78 | 2x1,1 | 6090 | 59 | 97 | 1.172,70 |
| TW252370157 | TWIN BOX BD 15/15 T6 2,2kW | 900 | 2x10,92 | 2x6,31 | 2x2,2 | 10450 | 61 | 140,00 | 1.892,00 |

* All data are referred to a single working fan (except for weight). If both fans are working at the same time, data should be twice (x2).

* Todos los datos hacen referencia a un solo ventilador funcionando (salvo el peso). Si los ventiladores funcionan simultáneamente, los datos deben multiplicarse por dos (x2).

TWIN BOX BD PLUS

Double centrifugal in soundproof cabinet with skin insulation

Doble centrífugo en caja insonorizada con panel sándwich



MANUFACTURING FEATURES

- Polyamide turbine reinforced with fiberglass for sizes 7/7, 9/9, 10/10 and 12/12. Rest of models made of galvanized steel sheet.
- BD series fans mounted in meeting boxes.
- Ventilation box with 30 mm aluminum profile structure, nylon corners, galvanized sandwich panels with internal insulation rockwool (25mm thickness) class A1 (non-combustible) of 90kg/m³ density. All panels are equipped with "fastening system" for the quick assembly and disassembly whenever required, either for cleaning, maintenance or exchanging of panels.
- Cable exit through cable glands.
- Easy access by a side panel.
- Changeable rear, front or top inlet cover.
- Casals exclusive design closed motors with extruded aluminum housing, which makes the whole set of connections protected inside the terminal box integrated in the motor with degree of protection IP-65. Motor with IP-54 protection and class F insulation. Standard voltages 230V 50Hz for single-phase motors.

APPLICATIONS

- Designed for duct installation, indoor or outdoor, are indicated for:
- Renovation of air in all types of buildings and industries.
 - Maximum continuous working temperature: 50°C.

UNDER REQUEST

- Impeller made of galvanized sheet.

CARACTERÍSTICAS CONSTRUCTIVAS

- Turbina de poliamida reforzada con fibra de vidrio para tamaños 7/7, 9/9, 10/10 y 12/12. Resto de modelos turbina de chapa galvanizada.
- Ventiladores de la serie BD montados en cajas de reunión.
- Caja de ventilación con estructura de perfil de aluminio de 30 mm, esquinas de nylon y panel sándwich de acero galvanizado con aislamiento interno de lana de roca de 25 mm de espesor clase A1 (no combustible) y 90 kg/m³ de densidad. Todos los paneles disponen de "fastening system" (fijación rápida) para el montaje y desmontaje sencillo cada vez que se requiera, ya sea para tareas de limpieza, mantenimiento o intercambio de paneles.
- Salida de cables por prensaestopas.
- Fácil acceso por un panel lateral.
- Tapa de aspiración posterior, anterior o superior intercambiable.
- Motores cerrados de diseño exclusivo Casals con carcasa de aluminio extruido, que hacen que todo el conjunto de conexiones quede protegido dentro de la caja de bornes integrada en el motor con grado de protección IP-65. Motor con protección IP-54 y aislamiento clase F. Voltaje estándar 230V 50Hz.

APLICACIONES

- Diseñados para la instalación en conducto, en interior o intemperie, son indicados para:
- Renovación de aire en todo tipo de edificios e industrias.
 - Temperatura máxima de trabajo en continuo: 50°C.

BAJO DEMANDA

- Turbina de chapa galvanizada.

ACCESSORIES | ACCESORIOS



INT pg.434

Safety switch.
Interruptor de corte.



SFC pg.426

Frequency speed controller.
Variador de velocidad frecuencial.



VIS pg.421

Flange with bird guard.
Visera con malla antipájaros.



PI pg.402

Outlet gravity shutter.
Persiana sobre presión metálica.



REG TWIN pg.432

Automatic switch "twin" fans to work alternatively.
Commutador automático de ventiladores "twin" para trabajar alternativamente.



REG pg.431

Speed controller for single phase motors.
Regulador de velocidad manual monofásico.

SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | R.P.M. | Rated I (A) 230V | Power kW | Air flow m ³ /h | Sound dB (A) | Weight Kg | R.R.P. € |
|-------------|----------------------------------|--------|--------------------|-------------|----------------------------|---------------|-----------|----------|
| Código | Modelo | R.P.M. | I nominal (A) 230V | Potencia kW | Q máx. m ³ /h | Sonido dB (A) | Peso Kg | P.V.P € |
| TW251100450 | TWIN BOX BD PLUS 7/7 M4 0,12kW | 1370 | 1,5 | 0,12 | 1.725 | 47 | 49 | 926,40 |
| TW251100451 | TWIN BOX BD PLUS 7/7 M4 0,13kW | 1370 | 1,55 | 0,13 | 1.850 | 53 | 49 | 957,20 |
| TW251270450 | TWIN BOX BD PLUS 9/7 M4 0,35kW | 1375 | 2,70 | 0,35 | 2.400 | 54 | 66 | 1.042,20 |
| TW251220450 | TWIN BOX BD PLUS 9/9 M4 0,35kW | 1375 | 2,70 | 0,35 | 2.670 | 55 | 68 | 1.075,80 |
| TW251340450 | TWIN BOX BD PLUS 10/8 M4 0,59kW | 1340 | 4,50 | 0,59 | 3.260 | 57 | 82 | 1.124,30 |
| TW251320450 | TWIN BOX BD PLUS 10/10 M4 0,59kW | 1340 | 4,50 | 0,59 | 3.790 | 58 | 86 | 1.154,60 |
| TW251160450 | TWIN BOX BD PLUS 7/7 M6 0,04kW | 885 | 0,60 | 0,04 | 1.020 | 38 | 51 | 902,40 |
| TW251280450 | TWIN BOX BD PLUS 9/9 M6 0,12kW | 925 | 1,20 | 0,12 | 2.030 | 47 | 66 | 1.027,80 |
| TW251280451 | TWIN BOX BD PLUS 9/9 M6 0,13kW | 940 | 1,30 | 0,13 | 2.130 | 47 | 68 | 1.144,20 |
| TW251370450 | TWIN BOX BD PLUS 10/10 M6 0,19kW | 880 | 2,10 | 0,19 | 2.870 | 53 | 82 | 1.101,60 |
| TW251370451 | TWIN BOX BD PLUS 10/10 M6 0,21kW | 945 | 2,10 | 0,21 | 2.820 | 50 | 86 | 1.194,00 |
| TW251600452 | TWIN BOX BD PLUS 12/9 M6 0,76kW | 950 | 6,70 | 0,76 | 5.540 | 53 | 105 | 1.492,50 |
| TW251600450 | TWIN BOX BD PLUS 12/9 M6 0,79kW | 945 | 6,20 | 0,79 | 5.640 | 57 | 105 | 1.423,90 |
| TW251520451 | TWIN BOX BD PLUS 12/12 M6 0,76kW | 950 | 6,70 | 0,76 | 5.960 | 53 | 111 | 1.482,30 |
| TW251520450 | TWIN BOX BD PLUS 12/12 M6 0,79kW | 945 | 6,20 | 0,79 | 6.170 | 60 | 111 | 1.414,80 |

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | R.P.M. | Rated I (A) | | Rated Power kW | Air flow m ³ /h | Sound dB (A) | Weight Kg | R.R.P. € |
|-------------|---------------------------------|--------|---------------|------|----------------|----------------------------|---------------|-----------|----------|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. | I nominal (A) | | P. Nom. kW | Q máx. m ³ /h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| TW251600451 | TWIN BOX BD PLUS 12/9 T6 1,1kW | 945 | 6,54 | 3,78 | 1,1 | 5480 | 53 | 109 | 1.405,70 |
| TW251520453 | TWIN BOX BD PLUS 12/12 T6 1,1kW | 945 | 6,54 | 3,78 | 1,1 | 6090 | 53 | 111 | 1.408,50 |
| TW252370457 | TWIN BOX BD PLUS 15/15 T6 2,2kW | 900 | 10,92 | 6,31 | 2,2 | 10450 | 58 | 155 | 2.263,00 |

* All data are referred to a single working fan (except for weight). If both fans are working at the same time, data should be twice (x2).

* Todos los datos hacen referencia a un solo ventilador funcionando (salvo el peso). Si los ventiladores funcionan simultáneamente, los datos deben multiplicarse por dos (x2).

TWIN BOX BD EEC

Low pressure double centrifugal fan in soundproof cabinet with EEC motor
Doble centrifugo de baja presión con caja insonorizada con motor EEC



MANUFACTURING FEATURES

- Impellers made of reinforced polyamide with fiber glass.
- BD EEC range fans assembled in soundproof cabinets with thermo-acoustic insulation, Bs1d0 fire class.
- Fan assembled on antivibration mountings.
- Connection gland included.
- Motor fixing with an exclusive system designed by Casals through flexible arms and silent blocks to avoid vibration. Flexible arms in compliance with the ROHS 2002/95/EC Directive (Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipments).
- PM brushless motor (permanent magnets), synchronous, electronically commutated, high efficiency and low sound level. Specially designed for fans with electronic operation and control in deported box IP65.
 - Working range: from 400 to 1200-2000rpm (depending on the models).
 - Motor with IP54 protection and class F insulation. IP 65 drive case.
 - Power: 220V ± 10% single phase.
 - Power frequency: 50/60Hz.
 - Operating temperature range: -20°C to 50°C.
 - Speed control through signal 0-10V or PWM.
- Fans can run separately or simultaneously.

APPLICATIONS

Designed for inline installation, indoor or outdoor assembly, they are suitable for:

- Air renewal in buildings and industries.
- Industrial and professional kitchen hood.
- Maximum working temperature: 50°C.

UNDER REQUEST

- Impeller made of galvanized sheet.

CARACTERÍSTICAS CONSTRUCTIVAS

- Turbina de poliamida reforzada con fibra de vidrio.
- Ventiladores de la serie BD EEC montados en cajas de reunión aisladas con aislamiento térmico y acústico con clasificación al fuego Bs1d0.
- Ventilador montado sobre amortiguadores.
- Salida de cables por prensaestopas.
- Sistema exclusivo Casals de fijación del motor al ventilador y a la turbina mediante brazos flexores que unidos a silent blocks evitan cualquier tipo de vibración. Brazos en cumplimiento con la directiva ROHS 2002/95/EC (Restricción de sustancias peligrosas en equipos eléctricos y electrónicos).
- Motor brushless PM (imanes permanentes), síncrono, conmutado electrónicamente, de alta eficiencia y bajo nivel sonora. Especialmente diseñado para ventiladores con electrónica de funcionamiento y control en caja deportada IP 65.
 - Rango de trabajo: desde 400 hasta 1200-2000rpm (dependiendo de los modelos).
 - Motor con protección IP54 y aislamiento clase F. Caja del drive IP 65.
 - Alimentación: 220V ± 10% monofásica.
 - Frecuencia de alimentación: 50/60Hz.
 - Rango de temperatura de funcionamiento: -20°C a 50°C.
 - Control de velocidad a través de señal 0-10V o PWM.
- Los ventiladores pueden trabajar de forma separada o simultáneamente.

APLICACIONES

Diseñados para la instalación en conducto, en interior o intemperie, son indicados para:

- Renovación de aire en todo tipo de edificios e industrias.
- Campanas de cocina industriales y profesionales.
- Temperatura máxima de trabajo en continuo: 50°C.

BAJO DEMANDA

- Turbina de chapa galvanizada.

ACCESSORIES | ACCESORIOS



INT pg.434

Safety switch.
Interruptor de corte.



REG TWIN pg.432

Automatic switch "twin" fans to work alternatively.
Conmutador automático de ventiladores "twin" para trabajar alternativamente.



VIS pg.421

Flange with bird guard.
Visera con malla antipájaros.



PI pg 290

Outlet gravity shutter.
Persiana sobre presión metálica.



REGC pg.431

Air flow controller for EEC motors.
Regulador de caudal para motores EEC.

SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | R.P.M. | Rated I (A) 230V | Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-------------|-----------------------|--------|--------------------|-------------|---------------|---------------|-----------|----------|
| Código | Modelo | R.P.M. | I nominal (A) 230V | Potencia kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € |
| TW251169554 | TWIN BOX BD 7/7 EEC | 2000 | 2x5 | 2x0,37 | 2.860 | 52 | 38 | 1.216,40 |
| TW251289554 | TWIN BOX BD 9/9 EEC | 2000 | 2x6 | 2x0,75 | 4.280 | 57 | 64 | 1.572,90 |
| TW251379554 | TWIN BOX BD 10/10 EEC | 1800 | 2x10 | 2x1,5 | 5.820 | 58 | 62 | 2.027,30 |
| TW251529554 | TWIN BOX BD 12/12 EEC | 1200 | 2x10 | 2x1,5 | 7.420 | 58 | 108 | 2.381,60 |

* All data are referred to a single working fan (except for weight). If both fans are working at the same time, data should be twice (x2).

* Todos los datos hacen referencia a un solo ventilador funcionando (salvo el peso). Si los ventiladores funcionan simultáneamente, los datos deben multiplicarse por dos (x2).

TWIN BOX BD PLUS EEC

Double centrifugal fan in soundproof cabinet with double sin insulation and EEC

Doble centrífugo en caja insonorizada, panel sándwich con motor EEC



MANUFACTURING FEATURES

- Impellers made of polyamide reinforced with fibreglass (models 7/7, 9/9, 10/10 and 12/12). Other models made of galvanised steel sheet.
- BD EEC range fans assembled in soundproof cabinets.
- Ventilation box with 30 mm aluminum profile structure, nylon corners, galvanized sandwich panels with internal insulation rockwool (25mm thickness) class A1 (non-combustible) of 90kg/m³ density. All panels are equipped with "fastening system" for the quick assembly and disassembly whenever required, either for cleaning, maintenance or exchanging of panels.
- Fan can be placed in any position by exchanging panels.
- Motor fixing with an exclusive system designed by Casals through flexible arms and silent blocks to avoid vibration. Flexible arms in compliance with the ROHS 2002/95/EC Directive (Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipments).
- PM brushless motor (permanent magnets), synchronous, electronically commutated, high efficiency and low sound level. Specially designed for fans with electronic operation and control in deported box IP65.
 - Working range: from 400 to 1200-2000rpm (depending on the models).
 - Motor with IP54 protection and class F insulation. IP 65 drive case.
 - Power: 220V ± 10% single phase.
 - Power frequency: 50/60Hz.
 - Operating temperature range: -20°C to 50°C.
 - Speed control through signal 0-10V or PWM.
- Fans can run separately or simultaneously.

APPLICATIONS

- Designed for inline installation, indoor or outdoor assembly, they are suitable for:
- Air renewal in buildings and industries.
 - Maximum continuous working temperature: 50°C.

UNDER REQUEST

- Impeller made of galvanized sheet.

CARACTERÍSTICAS CONSTRUCTIVAS

- Turbina de poliamida reforzada con fibra de vidrio (modelos 7/7, 9/9, 10/10 y 12/12) resto de modelos con turbina en chapa de acero galvanizado.
- Ventiladores de la serie BD EEC montados en cajas de reunión.
- Caja de ventilación con estructura de perfil de aluminio de 30 mm, esquinas de nylon y panel sándwich de acero galvanizado con aislamiento interno de lana de roca de 25 mm de espesor clase A1 (no combustible) y 90 kg/m³ de densidad. Todos los paneles disponen de "fastening system" (fijación rápida) para el montaje y desmontaje sencillo cada vez que se requiera, ya sea para tareas de limpieza, mantenimiento o intercambio de paneles.
- Salida de cables por prensaestopas.
- Fácil acceso por un panel lateral.
- El ventilador se puede situar en cualquier posición mediante intercambio de paneles.
- Sistema exclusivo Casals de fijación del motor al ventilador y a la turbina mediante brazos flexores que unidos a silent blocks evitan cualquier tipo de vibración. Brazos en cumplimiento con la directiva ROHS 2002/95/EC (Restricción de sustancias peligrosas en equipos eléctricos y electrónicos).
- Motor brushless PM (imanes permanentes), síncrono, conmutado electrónicamente, de alta eficiencia y bajo nivel sonora. Especialmente diseñado para ventiladores con electrónica de funcionamiento y control en caja deportada IP 65.
 - Rango de trabajo: desde 400 hasta 1200-2000rpm (dependiendo de los modelos).
 - Motor con protección IP54 y aislamiento clase F. Caja del drive IP 65.
 - Alimentación: 220V ± 10% monofásica.
 - Frecuencia de alimentación: 50/60Hz.
 - Rango de temperatura de funcionamiento: -20°C a 50°C.
 - Control de velocidad a través de señal 0-10V o PWM.
- Los ventiladores pueden trabajar de forma separada o simultáneamente.

APLICACIONES

- Diseñados para la instalación en conducto, en interior o intemperie, son indicados para:
- Renovación de aire en todo tipo de edificios e industrias.
 - Temperatura máxima de trabajo en continuo: 50°C.

BAJO DEMANDA

- Turbina de chapa galvanizada.

ACCESSORIES | ACCESORIOS



INT pg.434

Safety switch.
Interruptor de corte.



TEJ pg.421

Frequency speed controller.
Variador de velocidad frecuencial.



VIS pg.421

Flange with bird guard.
Visera con malla antipájaros.



PI pg.402

Outlet gravity shutter.
Persiana sobre presión metálica.



REG TWIN pg.432

Automatic switch "twin" fans to work alternatively.
Conmutador automático de ventiladores "twin" para trabajar alternativamente.



REGC pg.431

Air flow controller for EEC motors.
Regulador de caudal para motores EEC.



CPCC+ FILTERS pg.406

Filter-support casing for circular duct.
Cajón de portafiltros para conducto circular.

SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | Máx. R.P.M. | Rated I (A) 230V | Power kW | Air flow m ³ /h | Weight Kg | R.R.P € |
|---------------|----------------------------|-------------|--------------------|-------------|----------------------------|-----------|----------|
| Código | Modelo | R.P.M. máx. | I nominal (A) 230V | Potencia kW | Q máx. m ³ /h | Peso Kg | P.V.P € |
| TW251169454EC | TWIN BOX BD PLUS 7/7 EEC | 2000 | 5 | 0,37 | 2.870 | 51 | 1.656,00 |
| TW251269454EC | TWIN BOX BD PLUS 9/7 EEC | 2000 | 6 | 0,75 | 3.940 | 64 | 2.010,90 |
| TW251289454EC | TWIN BOX BD PLUS 9/9 EEC | 2000 | 6 | 0,75 | 4.280 | 74 | 2.039,30 |
| TW251339454EC | TWIN BOX BD PLUS 10/8 EEC | 1800 | 10 | 1,5 | 5.970 | 76 | 2.451,90 |
| TW251379454EC | TWIN BOX BD PLUS 10/10 EEC | 1800 | 10 | 1,5 | 5.830 | 82 | 2.466,20 |
| TW251529454EC | TWIN BOX BD PLUS 12/9 EEC | 1200 | 10 | 1,5 | 6.440 | 112 | 2.918,70 |
| TW251609454EC | TWIN BOX BD PLUS 12/12 EEC | 1200 | 10 | 1,5 | 7.430 | 124 | 2.961,40 |

* All data are referred to a single working fan (except for weight). If both fans are working at the same time, data should be twice (x2).

* Todos los datos hacen referencia a un solo ventilador funcionando (salvo el peso). Si los ventiladores funcionan simultáneamente, los datos deben multiplicarse por dos (x2).

TWIN BOX BV

Belt driven double centrifugal in soundproof cabinet

Doble centrífugo a transmisión en caja insonorizada doble



MANUFACTURING FEATURES

- Impellers made of polyamide reinforced with fibreglass up to size 12/12. Other models are made of galvanised steel sheet.
- BV, BVC, BVCR range fans assembled in soundproof cabinets with thermo-acoustic insulation, Bs1d0 fire class.
- Fan assembled on antivibration mountings.
- Supplied with motor, pulleys and belts.
- Connection gland included.
- Squirrel cage asynchronous standard motor, IP-55 protection and rated class F insulation. Standard voltages 230/400V 50Hz for three phase, motors up to 4kW and 400/690V 50Hz for higher powers.
- Fans can run separately or simultaneously.

APPLICATIONS

Designed for inline installation, indoor or outdoor assembly, they are suitable for:

- Air renewal in buildings and industries.
- Industrial and professional kitchen hood.
- Maximum continuous working temperature: 60°C.

UNDER REQUEST

- Special voltages.
- 2 speed motors.
- LG0 position +10% RRP.
- Impeller made of galvanized sheet.
- Aluminium box up to size 12/12.

CARACTERÍSTICAS CONSTRUCTIVAS

- Turbina de poliamida reforzada con fibra de vidrio hasta el tamaño 12/12. Resto de modelos en chapa galvanizada.
- Ventiladores de la serie BV, BVC, BVCR montados en cajas de reunión aisladas con aislamiento térmico y acústico con clasificación al fuego Bs1d0.
- Ventilador montado sobre amortiguadores.
- El ventilador se suministra con motor montado en base, con poleas y correas.
- Salida de cables por prensaestopas.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Los ventiladores pueden trabajar por separado o simultáneamente.

APLICACIONES

Diseñados para la instalación en conducto, en interior o intemperie, son indicados para:

- Renovación de aire en todo tipo de edificios e industrias.
- Campanas de cocina industriales y profesionales.
- Temperatura máxima de trabajo en continuo: 60°C.

BAJO DEMANDA

- Voltajes especiales.
- Motores 2 velocidades.
- Posición LG0 incremento 10% sobre PVP.
- Turbina de chapa galvanizada.
- Caja en aluminio hasta el tamaño 12/12.

This is a belt driven range, each model can be manufactured at different rpm, in case of order should be indicated the desired rpm for the correct operation of the unit and according to the needs.

Esta gama es a transmisión, cada modelo se puede fabricar a distintas rpm, en caso de pedido se debe indicar las rpm a las que desea el equipo para que el modelo quede correctamente definido y sea adecuado a sus necesidades.

ACCESSORIES | ACCESORIOS



INT pg.434

Safety switch.
Interrupor de corte.



SFC pg.433

Frecuency speed controller.
Variador de velocidad frecuencial.



VIS pg.421

Flange with bird guard.
Visera con malla antipájaros.



PI pg.402

Outlet gravity shutter.
Persiana sobre presión metálica.



REG TWIN pg.432

Automatic switch "twin" fans to work alternatively.
Conmutador automático de ventiladores "twin" para trabajar alternativamente.

THREE PHASE RANGE | SERIE TRIFÁSICA

| Model Modelo | Power Potencia (kW) | | | | | | | | |
|-------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 |
| TWIN BOX BV 7/7 | 1.087,00 | 1.120,60 | 1.130,10 | | | | | | |
| TWIN BOX BV 9/9 | 1.232,50 | 1.266,10 | 1.275,70 | 1.360,00 | | | | | |
| TWIN BOX BV 10/10 | 1.298,90 | 1.332,60 | 1.342,20 | 1.426,30 | 1.514,00 | | | | |
| TWIN BOX BV 12/12 | 1.539,50 | 1.573,30 | 1.582,70 | 1.667,00 | 1.754,60 | 1.943,30 | | | |
| TWIN BOX BV 15/15 | | 2.212,70 | 2.222,10 | 2.306,50 | 2.394,10 | 2.582,70 | 2.752,00 | 3.002,10 | |
| TWIN BOX BV 18/18 | | | | 2.517,70 | 2.605,20 | 2.793,90 | 2.963,20 | 3.213,30 | 3.593,30 |

* All data are referred to a single working fan (except for weight). If both fans are working at the same time, data should be twice (x2).

* Todos los datos hacen referencia a un solo ventilador funcionando (salvo el peso). Si los ventiladores funcionan simultáneamente, los datos deben multiplicarse por dos (x2).

BOX BSTB F400

Belt driven backward centrifugal cabinet fan 400°C/2h

Centrífugo reacción a transmisión en caja 400°C/2h



MANUFACTURING FEATURES

- BSTB range fans assembled in soundproof cabinets with acoustic insulation panels.
- Fan assembled on antivibration mountings.
- Simple inlet backward curved impeller.
- Supplied with motor assembled on base, pulleys and belts.
- Connection gland included.
- Squirrel cage asynchronous standard motor, IP-55 protection and rated class F insulation. Standard voltages 230/400V 50Hz for three phases motors up to 4kW and 400/690V 50Hz for higher powers.

APPLICATIONS

Designed for inline installation, indoor or outdoor assembly, they are suitable for:

- Air renewal in buildings and industries.
- Industrial and professional kitchen hoods.
- Smoke emergency exhaust with motor outside the hazardous area (400°C certificate).
- Maximum working temperature in continuous: carried air 130°C; environment 60°C.

UNDER REQUEST

- Special voltages.
- 2 speed motors.
- LG90 position (horizontal discharge).
- LG0 position (vertical discharge). 10% additional cost.
- Sandwich insulation.

This is a belt driven range, each model can be manufactured at different rpm, in case of order should be indicated the desired rpm for the correct operation of the unit and according to the needs.

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventiladores serie BSTB montados en cajas de reunión aisladas acústicamente.
- Ventilador montado sobre amortiguadores de goma.
- Turbina de simple oído a reacción.
- El ventilador se suministra con motor montado en base, con poleas y correas.
- Salida de cables por prensaestopas.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 60 Hz para potencias superiores.

APLICACIONES

Diseñados para la instalación en conducto, en interior o intemperie, son indicados para:

- Renovación de aire en todo tipo de edificios e industrias.
- Extracción de humo en caso de incendio estando el motor fuera de la zona de riesgo (certificado 400°C).
- Campanas de cocina industriales y profesionales.
- Temperatura máxima de trabajo en continuo: aire transportado: 130°C, ambiente: 60°C.

BAJO DEMANDA

- Voltajes especiales.
- Motores 2 velocidades.
- Posición LG90 (descarga horizontal).
- Posición LG0 (descarga vertical). Incremento 10% sobre PVP.
- Aislamiento con panel sándwich.

Esta gama es a transmisión, cada modelo se puede fabricar a distintas rpm, en caso de pedido se debe indicar las rpm a las que desea el equipo para que el modelo quede correctamente definido y sea adecuado a sus necesidades.

ACCESSORIES | ACCESORIOS



INT 400 pg.434
Connexion flange.
Brida de conexión.



INT pg.434
Safety switch.
Interruptor de corte.



SFC pg.433
Speed controller for single phase motors.
Regulador de velocidad monofásico.

THREE PHASE RANGE | SERIE TRIFÁSICA

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | |
|-----------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 |
| BOX BSTB 355 | 2.059,50 | 2.075,60 | 2.080,00 | 2.120,30 | 2.161,90 | 2.251,80 | 2.332,40 | | | | | | | |
| BOX BSTB 400 | | 2.296,30 | 2.300,70 | 2.341,00 | 2.382,70 | 2.472,50 | 2.553,00 | 2.672,20 | | | | | | |
| BOX BSTB 450 | | | 2.537,00 | 2.577,20 | 2.618,90 | 2.708,70 | 2.789,30 | 2.908,40 | 3.089,30 | 3.244,40 | 3.561,30 | | | |
| BOX BSTB 500 | | | | 2.952,20 | 2.993,90 | 3.083,70 | 3.164,30 | 3.283,40 | 3.464,40 | 3.619,50 | 3.936,40 | | | |
| BOX BSTB 560 | | | | | 3.854,70 | 3.944,40 | 4.025,00 | 4.144,10 | 4.325,10 | 4.480,20 | 4.797,10 | 4.969,80 | | |
| BOX BSTB 630 | | | | | | 4.165,40 | 4.246,00 | 4.365,00 | 4.546,00 | 4.701,10 | 5.018,10 | 5.190,60 | 5.386,10 | |
| BOX BSTB 710 | | | | | | | 5.554,20 | 5.673,40 | 5.854,20 | 6.009,30 | 6.326,20 | 6.498,90 | 6.694,30 | 7.127,00 |





Centrifugal fans

Ventiladores centrífugos

| | | | | | | | | | |
|---------------|-----------------|-----------------|--------------|---------------|--------------|------------------|----------------|----------------|-----------------|
| | | | | | | | | | |
| BD | BD CUBIC | BD EEC | BD 3V | BD EXO | BV | BVC | BVCR | BC | BST |
| | | | | | | | | | |
| BVC-M | BVCR-M | BST-M | BCI | NIMUS | NIMAX | PRESTUR | PREXTUR | KASTORM | CIKSTORM |
| | | | | | | | | | |
| CLIBOS | MA 18-25 | MA 26-31 | MB | MDE | MBCA | MBC | MBRM | MBRU | MBGR |
| | | | | | | | | | |
| MA P/R | MB P/R | MBZM P/R | MDI | MBP | MBPC | CLIBOS-TR | BSTB | BSTB-M | MT |
| | | | | | | | | | |
| MTCA | MTRL | MTRM | MTRU | MTGR | AA | AAVA | AAVC | AAVP | AAVG/N |
| | | | | | | | | | |
| AAVM | AA P/R | AAZA | AATVA | AATVP | AATVM | AATVC | AATVG | AATZA | |

BD-BD CUBIC

Double inlet
Doble aspiración

BD

BD CUBIC

MANUFACTURING FEATURES

- Galvanised steel sheet housing.
- Polyamide impeller reinforced with fibreglass in models 7/7, 9/9, 10/10 and 12/12. The impeller of the rest of models are made of galvanised steel sheet.
- Double inlet forward curved impeller in all models.
- Supplied with mounting feet (included in price) except cubic models, supported and reinforced by lateral plates. BD CUBIC model supplied with fan support reinforced with squared wings for a major rigidity and solidity.
- Motor fixing with an exclusive system designed by Casals through flexible arms and silent blocks to avoid vibration. Flexible arms in compliance with the ROHS 2002/95/EC Directive (Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipments).
- Closed motors specially designed by Casals: extruded aluminium motor housing, wiring box fit in the motor with IP-65 protection. Motor with IP-55 protection and Class F insulation. Manufactured with standard voltages: 230V 50 Hz in single phase motors and 230/400V 50 Hz in three phase motors.
- Single phase motors with controllable voltage speed. Three phase motors controllable using a frequency speed controller.

APPLICATIONS

Designed for assembly in equipment:

- Ventilation boxes and air handling units.
- Centrifugal heaters.
- Industrial and professional kitchen hoods.
- Maximum working temperature: 50°C for single phase motors and 60°C for three phase motors.

UNDER REQUEST

- Impeller made of galvanized steel sheet.
- MBI assembled.

CARACTERÍSTICAS CONSTRUCTIVAS

- Envolvente en chapa galvanizada.
- Turbina de poliamida reforzada con fibra de vidrio para tamaños 7/7, 9/9, 10/10 y 12/12. Resto de modelos en chapa galvanizada.
- Turbina multipala de álabes curvados hacia delante de doble oído.
- El ventilador se suministra con los pies soporte incluidos en el precio, excepto en el caso de BD CUBIC en el que la misma carcasa del ventilador funciona como soporte y refuerzo del conjunto.
- Sistema exclusivo Casals de fijación del motor al ventilador y a la turbina mediante brazos flexores que unidos a silent blocks evitan cualquier tipo de vibración. Brazos en cumplimiento con la directiva ROHS 2002/95/EC (Restricción de sustancias peligrosas en equipos eléctricos y electrónicos).
- Motores cerrados de diseño exclusivo Casals con carcasa de aluminio extruido, que hacen que todo el conjunto de conexiones quede protegido dentro de la caja de bornes integrada en el motor con protección IP-65. Motor con protección IP-54 y aislamiento clase F. Voltajes estándar 230V 50Hz para motores monofásicos y 230/400V 50Hz para motores trifásicos.
- Motores monofásicos regulables por tensión. Modelos trifásicos regulables mediante variador de frecuencia.

APLICACIONES

Diseñados para ser integrados en equipos:

- Cajas de ventilación y unidades de tratamiento de aire.
- Aerotermos centrifugos.
- Campanas de cocina industriales y profesionales.
- Temperatura máxima de trabajo en continuo: 50°C para motores monofásicos y 60°C para motores trifásicos.

BAJO DEMANDA

- Turbina chapa galvanizada.
- MBI montado.

ACCESSORIES | ACCESORIOS

SFC pg.433

 Frequency speed controller.
Variador de velocidad frecuencial.

INT pg.434

 Safety switch.
Interruptor de corte.

REG pg.431

 Single phase manual speed controller.
Regulador de velocidad manual monofásico.

REG VMC pg.431

 Single phase voltage regulator with 0-10v entrance.
Regulador de voltaje monofásico con entrada 0-10V.

RA pg.400

 Inlet protection guard.
Rejilla aspiración.

RM pg.399

 Motor guard.
Reja motor.

RI pg.398

 Outlet guard.
Reja impulsión.

MBI pg.415

 Outlet flange.
Marco brida impulsión.

SINGLE PHASE RANGE BD | SERIE MONOFÁSICA BD


| Code | Model | Máx. R.P.M. | Rated I (A) 230V | Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|--------------------|-------------|------------------|------------|---------------|---------------|-----------|----------|
| Código | Modelo | R.P.M. | I nom. (A) 230V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € |
| 251100261 | BD 7/7 M4 0,13kW | 1370 | 1,55 | 0,13 | 1.940 | 59 | 9 | 287,00 |
| 251160260 | BD 7/7 M6 0,04kW | 885 | 0,6 | 0,04 | 1.080 | 44 | 9 | 311,30 |
| 251270260 | BD 9/7 M4 0,35kW | 1375 | 2,7 | 0,35 | 2.540 | 60 | 15 | 339,90 |
| 251260261 | BD 9/7 M6 0,13kW | 940 | 1,3 | 0,13 | 2.050 | 50 | 14 | 350,80 |
| 251220260 | BD 9/9 M4 0,35kW | 1375 | 2,7 | 0,35 | 2.810 | 61 | 12 | 376,40 |
| 251280261 | BD 9/9 M6 0,13kW | 940 | 1,3 | 0,13 | 2.240 | 53 | 15 | 258,20 |
| 251340260 | BD 10/8 M4 0,59kW | 1340 | 4,5 | 0,59 | 3.440 | 63 | 22 | 417,90 |
| 251330261 | BD 10/8 M6 0,21kW | 945 | 2,1 | 0,21 | 2.625 | 56 | 17 | 416,00 |
| 251320260 | BD 10/10 M4 0,59kW | 1340 | 4,5 | 0,59 | 3.780 | 64 | 22 | 416,00 |
| 251370261 | BD 10/10 M6 0,21kW | 945 | 2,1 | 0,21 | 2.860 | 56 | 15,5 | 433,30 |
| 251600261 | BD 12/9 M6 0,76kW | 950 | 6,7 | 0,76 | 5.860 | 59 | 21 | 637,90 |
| 251520261 | BD 12/12 M6 0,76kW | 950 | 6,7 | 0,76 | 6.275 | 59 | 27 | 629,50 |

SINGLE PHASE RANGE BD | SERIE MONOFÁSICA BD

| Code | Model | Máx. R.P.M. | Rated I (A) 230V | Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|--------------------|-------------|------------------|------------|---------------|---------------|-----------|----------|
| Código | Modelo | R.P.M. | I nom. (A) 230V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € |
| 251100260 | BD 7/7 M4 0,12kW | 1370 | 1,5 | 0,12 | 1.820 | 53 | 9 | 261,00 |
| 251260260 | BD 9/7 M6 0,12kW | 925 | 1,2 | 0,12 | 1.900 | 49 | 14 | 342,70 |
| 251280260 | BD 9/9 M6 0,12kW | 925 | 1,2 | 0,12 | 2.160 | 53 | 15 | 317,70 |
| 251330260 | BD 10/8 M6 0,19kW | 880 | 2,1 | 0,19 | 2.650 | 57 | 17 | 340,90 |
| 251370260 | BD 10/10 M6 0,19kW | 880 | 2,1 | 0,19 | 3.020 | 59 | 15,5 | 355,00 |
| 251600260 | BD 12/9 M6 0,79kW | 945 | 6,2 | 0,79 | 5.980 | 63 | 21 | 580,10 |
| 251520260 | BD 12/12 M6 0,79kW | 945 | 6,2 | 0,79 | 6.530 | 66 | 27 | 572,20 |

THREE PHASE RANGE BD | SERIE TRIFÁSICA BD



| Code | Model | Rated R.P.M. | Rated I (A) | | Rated Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|-------------------|--------------|---------------|------|----------------|---------------|---------------|-----------|----------|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I nominal (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € |
| | | | 230V | 400V | | | | | |
| 251600161 | BD 12/9 T6 1,1kW | 945 | 6,54 | 3,78 | 1,1 | 6.200 | 59 | 26 | 546,20 |
| 251520160 | BD 12/12 T6 1,1kW | 945 | 6,54 | 3,78 | 1,1 | 6.940 | 59 | 27 | 548,60 |

THREE PHASE RANGE BD CÚBIC | SERIE TRIFÁSICA BD CÚBIC



| Code | Model | Rated R.P.M. | Rated I (A) | | Rated Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|-------------------|--------------|---------------|------|----------------|---------------|---------------|-----------|----------|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I nominal (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € |
| | | | 230V | 400V | | | | | |
| 252370106 | BD 15/15 T6 2,2kW | 900 | 10,92 | 6,31 | 2,2 | 11.000 | 64 | 57 | 1.040,30 |

> EXTRACTOR DE ALTA GAMA CON
 COMPUERTA AUTOMÁTICA ANTIRRETORNO <

> HIGH-END EXTRACTOR
 WITH AUTOMATIC BACKDRAUGHT DAMPER <

> **TEKSTÜR Plus**
 > 100/120



BD EEC
Double inlet centrifugal fan with electronic motor EEC
Centrífugo de doble aspiración con motor electrónico EEC

MANUFACTURING FEATURES

- Galvanised steel sheet housing.
- Polyamide impeller reinforced with fibreglass in models 7/7, 9/9, 10/10 and 12/12. Galvanised steel sheet impeller for all range.
- Double inlet forward curved impeller.
- Supplied with mounting feet (included in price).
- Motor fixing with an exclusive system designed by Casals through flexible arms and silent blocks to avoid vibration. Flexible arms in compliance with the ROHS 2002/95/EC Directive (Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipments).
- PM brushless motor (permanent magnets), synchronous, electronically commutated, high efficiency and low sound level. Specially designed for fans with electronic operation and control in deported box IP65.
 - Working range: from 400 to 1200-2000rpm (depending on the models).
 - Motor with IP54 protection and class F insulation. IP 65 drive case.
 - Power: 220V \pm 10% single phase.
 - Power frequency: 50/60Hz.
 - Operating temperature range: -20°C to 50°C.
 - Speed control through signal 0-10V or PWM.

APPLICATIONS

- Designed for assembly in equipment:
- Ventilation boxes and air handling units.
 - Centrifugal heaters.
 - Industrial and professional kitchen hoods.
 - Maximum working temperature: 50°C.

UNDER REQUEST

- Galvanized sheet impeller.
- MBI assembled.

CARACTERÍSTICAS CONSTRUCTIVAS

- Envolvente en chapa galvanizada.
- Turbina de poliamida reforzada con fibra de vidrio para tamaños 7/7, 9/9, 10/10 y 12/12. Resto de modelos en chapa galvanizada.
- Turbina multipala de álabes curvados hacia delante de doble oído.
- El ventilador se suministra con los pies soporte incluidos en el precio.
- Sistema exclusivo Casals de fijación del motor al ventilador y a la turbina mediante brazos flexores que unidos a silent blocks evitan cualquier tipo de vibración. Brazos en cumplimiento con la directiva ROHS 2002/95/EC (Restricción de sustancias peligrosas en equipos eléctricos y electrónicos).
- Motor brushless PM (imanes permanentes), síncrono, conmutado electrónicamente, de alta eficiencia y bajo nivel sonora. Especialmente diseñado para ventiladores con electrónica de funcionamiento y control en caja deportada IP 65.
 - Rango de trabajo: desde 400 hasta 1200-2000rpm (dependiendo de los modelos).
 - Motor con protección IP54 y aislamiento clase F. Caja del drive IP 65.
 - Alimentación: 220V \pm 10% monofásica.
 - Frecuencia de alimentación: 50/60Hz.
 - Rango de temperatura de funcionamiento: -20°C a 50°C.
 - Control de velocidad a través de señal 0-10V o PWM.

APLICACIONES

- Diseñados para ser integrados en equipos:
- Cajas de ventilación y unidades de tratamiento de aire.
 - Aerotermsos centrífugos.
 - Campanas de cocina industriales y profesionales.
 - Temperatura máxima de trabajo en continuo: 50°C.

BAJO DEMANDA

- Turbina chapa galvanizada.
- MBI montado.

ACCESSORIES | ACCESORIOS

RA pg.400
Inlet protection guard.
Rejilla aspiración.

RM pg.399
Motor guard.
Reja motor.

RI pg.398
Outlet guard.
Reja impulsión.

MBI pg.415
Outlet flange.
Marco brida impulsión.

INT pg.434
Safety switch.
Interruptor de corte.

REGC pg.431
Air flow controller for EEC motors.
Regulador de caudal para motores EEC.

SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | Máx. R.P.M. | Rated I (A) 230V | Power kW | Air flow m ³ /h | Sound 1,5m dB (A) | Weight Kg | R.R.P. € |
|---------------|--------------|-------------|------------------|-------------|----------------------------|--------------------|-----------|----------|
| Código | Modelo | R.P.M. máx | I nom. (A) 230V | Potencia kW | Q máx. m ³ /h | Sonido 1,5m dB (A) | Peso Kg | P.V.P. € |
| 251109261C200 | BD 7/7 EEC | 2000 | 5 | 0,37 | 2.970 | 56 | 10 | 463,40 |
| 251269261C200 | BD 9/7 EEC | 2000 | 6 | 0,75 | 3.880 | 62 | 14,5 | 581,80 |
| 251289261C200 | BD 9/9 EEC | 2000 | 6 | 0,75 | 4.240 | 63 | 15 | 592,30 |
| 251339261C180 | BD 10/8 EEC | 1800 | 10 | 1,5 | 5.840 | 66 | 20 | 767,20 |
| 251379261C180 | BD 10/10 EEC | 1800 | 10 | 1,5 | 6.190 | 65 | 21 | 772,40 |
| 251529261C120 | BD 12/9 EEC | 1200 | 10 | 1,5 | 6.320 | 65 | 25 | 840,60 |
| 251609261C120 | BD 12/12 EEC | 1200 | 10 | 1,5 | 7.100 | 64 | 34 | 845,70 |

BD 3V

Double inlet, 3 speed motor

Doble aspiración, motor de 3 velocidades



MANUFACTURING FEATURES

- Galvanised steel sheet housing.
- Double inlet forward curved impeller.
- Polyamide impeller reinforced with fibreglass in models 7/7, 9/9, 10/10 and 12/12. Galvanised steel sheet impeller for all range.
- Supplied with mounting feet included in price.
- Motor fixing with an exclusive system designed by Casals through flexible arms and silent blocks to avoid vibration. Flexible arms in compliance with the ROHS 2002/95/EC Directive (Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipments).
- Closed 3 speed motors specially designed by Casals: extruded aluminium motor housing, wiring box fit in the motor with IP-65 protection. Motor with IP-55 protection and Class F insulation. Manufactured with standard voltages: 230V 50 Hz in single phase motors.
- Thermal protector included.

APPLICATIONS

- Designed for assembly in equipment:
- Ventilation boxes and air handling units.
 - Centrifugal heaters.
 - Industrial and professional kitchen hoods.
 - Maximum continuous working temperature: 50°C.

UNDER REQUEST

- Impeller made of galvanized steel sheet.
- MBI assembled.

CARACTERÍSTICAS CONSTRUCTIVAS

- Envolvente en chapa galvanizada.
- Turbina multipala de álabes curvados hacia delante de doble oído.
- Turbina de poliamida reforzada con fibra de vidrio para tamaños 7/7, 9/9, 10/10 y 12/12. Resto de modelos en chapa galvanizada.
- El ventilador se suministra con los pies soporte incluidos en el precio.
- Sistema exclusivo Casals de fijación del motor al ventilador y a la turbina mediante brazos flexores que unidos a silent blocks evitan cualquier tipo de vibración. Brazos en cumplimiento con la directiva ROHS 2002/95/EC (Restricción de sustancias peligrosas en equipos eléctricos y electrónicos).
- Motores cerrados de 3 velocidades de diseño exclusivo Casals: carcasa de aluminio extruido, conjunto de conexiones protegido dentro de la caja de bornes, integrada en el motor, con grado de protección IP-65. Motor con protección IP-55 y aislamiento clase F. Voltajes estándar 230V 50Hz para motores monofásicos.
- Protector térmico incorporado en el devanado.

APLICACIONES

- Diseñados para ser integrados en equipos:
- Cajas de ventilación y unidades de tratamiento de aire.
 - Aerotermsos centrífugos.
 - Campanas de cocina industriales y profesionales.
 - Temperatura máxima de trabajo en continuo: 50°C.

BAJO DEMANDA

- Turbina chapa galvanizada.
- MBI montado.

ACCESSORIES | ACCESORIOS



INT 3V pg.434

4 steps start-stop switch selector. Interruptor de paro-marcha de cuatro posiciones.



INT pg.434

Safety switch. Interruptor de corte.



REG pg.431

Single phase manual speed controller. Regulador de velocidad manual monofásico.



REG VMC pg.431

Single phase voltage regulator with 0-10V entrance. Regulador de voltaje monofásico con entrada 0-10V.



RA pg.400

Inlet protection guard. Rejilla aspiración.



RM pg.399

Motor guard. Reja motor.



RI pg.398

Outlet guard. Reja impulsión.



MBI pg.415

Outlet flange. Marco brida impulsión.

SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | Rated R.P.M. Speed 1 | Rated I (A) 230V | Rated Power kW | Air flow m³/h | | | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|-----------------------|----------------------|------------------|----------------|---------------|--------|--------|---------------|-----------|----------|
| | | | | | S. 1 | S. 2 | S. 3 | | | |
| Código | Modelo | R.P.M. nom.Vel. 1 | I nom. (A) 230V | P. nom. kW | Q máx. m³/h | | | Sonido dB (A) | Peso Kg | P.V.P. € |
| | | | | | Vel. 1 | Vel. 2 | Vel. 3 | | | |
| 251100268 | BD 7/7 M4 0,12kW 3V | 1126/1360 | 1,84 | 0,12 | 1.750 | 1.130 | 840 | 53 | 9 | 333,60 |
| 251270268 | BD 9/7 M4 0,35kW 3V | 1167/1400 | 3,2 | 0,35 | 2.910 | 1.810 | 1.110 | 66 | 15 | 439,20 |
| 251220268 | BD 9/9 M4 0,35kW 3V | 1167/1400 | 3,2 | 0,35 | 3.140 | 1.980 | 1.270 | 53 | 16 | 441,90 |
| 251340268 | BD 10/8 M4 0,59kW 3V | 1032/1400 | 5,7 | 0,59 | 3.610 | 1.750 | 1.230 | 69 | 20 | 455,50 |
| 251320268 | BD 10/10 M4 0,59kW 3V | 1032/1400 | 5,7 | 0,59 | 4.180 | 1.810 | 1.350 | 58 | 22 | 459,90 |
| 251600268 | BD 12/9 M6 0,79kW 3V | 749/860 | 6,5 | 0,79 | 5.980 | 4.350 | 2.610 | 64 | 26 | 667,60 |
| 251520268 | BD 12/12 M6 0,79kW 3V | 749/860 | 6,5 | 0,79 | 6.230 | 4.310 | 2.510 | 63 | 27 | 673,80 |

BD EXO

Double inlet, external rotor motor

Doble aspiración, motor de rotor exterior



MANUFACTURING FEATURES

- Fully made of galvanised steel sheet (EN 10142) with overlapping binding by high-tech folding.
- Double inlet forward curved impeller made of galvanized steel sheet.
- Supplied with mounting feet included in price.
- External rotor motor and impeller assembled as a set, supported by fixing arms. Closed motor with IP-55 protection index. Manufactured with standard voltages: 230V 50Hz in single phase motors (with voltage adjustable speed and integrated thermal protectors) and 230/400V in three phase motors (adjustable motor by transformer). Ball bearings greased for life and integrated vibration isolation. Dynamically balanced according to DIN ISO 1940. With mounted terminal box. Performance data according to AMCA 210-99, UNI 10531 and ISO 5801.

APPLICATIONS

- Designed for assembly in equipment:
- Ventilation boxes and air handling units.
 - Centrifugal heaters.
 - Industrial and professional kitchen hoods.
 - Maximum continuous working temperature: 50°C.

CARACTERÍSTICAS CONSTRUCTIVAS

- Totalmente contruidos en chapa galvanizada (EN 10142) con unión mediante plegado solapado de alta tecnología.
- Turbina multipala de álabes curvados hacia delante de doble oído, en chapa de acero galvanizado.
- El ventilador se suministra con los pies soporte incluidos en el precio.
- El motor de rotor externo y la turbina montados como un conjunto único y soportados mediante brazos de sujeción.
- Motor en ejecución cerrada, protección IP-55. Voltajes estándar 230V 50Hz para los monofásicos (con velocidad regulable por tensión y protectores térmicos integrados) y 230/400V 50Hz para los trifásicos (con motor regulable mediante transformador). Rodamientos a bolas de engrase permanente y aislamiento antivibratorio integrado. Equilibrado dinámicamente de acuerdo a DIN ISO 1940. Con caja de bornes montada. Datos de prestaciones según AMCA 210-99, UNI 10531 así como ISO 5801.

APLICACIONES

- Diseñados para ser integrados en equipos:
- Cajas de ventilación y unidades de tratamiento de aire.
 - Aerotermos centrifugos.
 - Campanas de cocina industriales y profesionales.
 - Temperatura máxima de trabajo en continuo: 50°C.

ACCESSORIES | ACCESORIOS



SFC pg.433

Frequency speed controller. Variador de velocidad frecuencial.



INT pg.434

Safety switch. Interruptor de corte.



REG pg.431

Single phase manual speed controller. Regulador de velocidad manual monofásico.



REG VMC pg.431

Single phase voltage regulator with 0-10V entrance. Regulador de voltaje monofásico con entrada 0-10V.



JE 45 pg.416

Flexible joint. Junta elástica.



SIL-C pg.426

Duct circular silencer. Silenciador circular conducto.

SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | R.P.M. | Rated I (A) 230V | Rated Power kW | Air flow m³/h | Weight Kg | R.R.P. € |
|-----------|------------------------|--------|------------------|----------------|---------------|-----------|----------|
| Código | Modelo | R.P.M. | I nom. (A) 230V | P. Nom. kW | Q máx. m³/h | Peso Kg | P.V.P € |
| 509000701 | BD EXO 7/7 M4 0,15kW | 1228 | 1,6 | 0,15 | 1.700 | 12 | 515,00 |
| 509000903 | BD EXO 9/9 M4 0,55kW | 1370 | 4,6 | 0,55 | 4.400 | 14,5 | 689,30 |
| 509001003 | BD EXO 10/10 M4 0,6kW | 1355 | 6,8 | 0,6 | 5.200 | 27 | 904,60 |
| 509000707 | BD EXO 7/7 M6 0,05kW | 863 | 0,65 | 0,05 | 1.360 | 12,5 | 524,90 |
| 509001008 | BD EXO 10/10 M6 0,32kW | 883 | 2,9 | 0,32 | 3.700 | 20 | 777,30 |

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | Rated R.P.M. | Rated I (A) | | Rated Power kW | Air flow m³/h | Weight Kg | R.R.P. € |
|-----------|------------------------|--------------|---------------|------|----------------|---------------|-----------|----------|
| | | | 230V | 400V | | | | |
| Código | Modelo | R.P.M. nom. | I nominal (A) | | P. Nom. kW | Q máx. m³/h | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | |
| 509001271 | BD EXO 12/12 T6 0,55kW | 896 | 4,8 | 2,8 | 0,55 | 5.800 | 34 | 892,70 |

BV-BVC-BVCR

Double inlet, free shaft without motor

Doble aspiración, eje libre sin motor



BV



BVC



BVCR

| MANUFACTURING FEATURES

- Galvanised steel sheet housing.
- Double inlet forward curved impeller in all models.
- BV fan supplied with supports (included in price) except for sizes 15/15 (39/39) and 18/18 (47/47).
- Transmission shaft with anticorrosion treatment.
- Supplied with free shaft.
- Transmission shaft standing out on both sides of the fan to allow motor, pulleys and belts assembly.
- BV/BVC: Impellers made of polyamide reinforced with fibreglass for sizes 7/7, 9/9, 10/10 and 12/12; rest of models made of galvanised steel sheet. Ball bearings permanently greased on rubber rings.
- BVC: Reinforced cubic assembly with lateral panels and a bearings base plate.
- BVCR: Fan with reinforced structure and bridge bearings supported on the rigid structure.

| APPLICATIONS

- Designed for assembly in equipment:
- Ventilation boxes and air handling units.
 - Centrifugal heaters.
 - Industrial and professional kitchen hoods.
 - Maximum working temperature: 60°C.

| UNDER REQUEST

- Metallic impeller.
- MBI assembled (BV).

| CARACTERÍSTICAS CONSTRUCTIVAS

- Envolventes fabricados en chapa galvanizada.
- Turbina multipala de álabes curvada hacia delante de doble oído.
- El ventilador BV se suministrará con los pies soportes incluidos en el precio excepto en los tamaños 15/15 y 18/18.
- Eje transmisión con tratamientos anticorrosión.
- El ventilador se suministra a eje libre.
- Eje de la transmisión que sobresale por los dos lados para permitir el montaje de poleas y correas
- BV/BVC: Turbina de poliamida reforzada con fibra de vidrio para tamaños 7/7, 9/9, 10/10 y 12/12; resto de modelos en chapa galvanizada. Ventilador con rodamientos a bolas de engrase permanente montados en aro de goma para evitar vibraciones.
- BVC: Montaje tipo CUBIC con paneles laterales que refuerzan todo el conjunto del ventilador.
- BVCR: Ventilador con turbina metálica, estructura reforzada y rodamientos de puente rígido soportados sobre la estructura

| APLICACIONES

- Diseñados para ser integrados en equipos:
- Cajas de ventilación y unidades de tratamiento de aire.
 - Aerotermos centrífugos.
 - Campanas de cocina industriales y profesionales.
 - Temperatura máxima de trabajo en continuo: 60°C.

| BAJO DEMANDA

- Turbina metálica.
- Marco MBI montado (BV).

ACCESSORIES | ACCESORIOS



INT pg.434
Safety switch.
Interruptor de corte.



JE 45 pg.416
Flexible joint.
Junta elástica.



TM pg.410
Motor tensioning device.
Soporte tensor motor.



MBI pg.415
Outlet flange.
Marco brida impulsión.



SIL-C pg.426
Duct circular silencer.
Silenciador circular conducto.



S pg.408
Mounting support for low pressure fans.
Pie soporte para ventiladores de baja presión.



PI pg.402
Gravity shutter.
Persiana de sobrepresión.



RI pg.398
Outlet guard.
Reja impulsión.



BS pg.408
Motor support kit.
kit soporte motor.

| Code | Model | R.P.M. | Máx. Power kW | Air flow m ³ /h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|----------|----------|---------------|----------------------------|---------------|-----------|----------|
| Código | Modelo | R.P.M. | Pot. máx. kW | Q máx. m ³ /h | Sonido dB (A) | Peso Kg | P.V.P € |
| 252090165 | BV 7/7 | 800/2000 | 1,1 | 3.590 | 64 | 6 | 119,60 |
| 252190165 | BV 9/7 | 600/1500 | 1,5 | 4.840 | 62 | 8 | 136,80 |
| 252180165 | BV 9/9 | 600/1500 | 1,5 | 5.720 | 65 | 9 | 139,10 |
| 252220165 | BV 10/8 | 600/1300 | 1,5 | 6.000 | 64 | 11 | 145,70 |
| 252210165 | BV 10/10 | 600/1300 | 2,2 | 7.450 | 67 | 12 | 149,50 |
| 252310160 | BV 12/9 | 500/1200 | 3 | 9.120 | 68 | 17 | 177,80 |
| 252300160 | BV 12/12 | 500/1200 | 3 | 10.500 | 71 | 20 | 187,20 |
| 252370160 | BV 15/15 | 400/1100 | 4 | 14.880 | 72 | 31 | 326,40 |
| 252450160 | BV 18/18 | 400/900 | 5,5 | 24.400 | 70 | 42 | 380,70 |

| Code | Model | R.P.M. | Máx. Power kW | Air flow m ³ /h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|-----------|----------|---------------|----------------------------|---------------|-----------|----------|
| Código | Modelo | R.P.M. | Pot. máx. kW | Q máx. m ³ /h | Sonido dB (A) | Peso Kg | P.V.P € |
| 252180180 | BVC 9/9 | 600/1500 | 1,5 | 5.720 | 65 | 12 | 212,00 |
| 252210180 | BVC 10/10 | 600/1300 | 2,2 | 7.450 | 67 | 14 | 230,00 |
| 252300180 | BVC 12/12 | 500/1200 | 3 | 10.500 | 71 | 22 | 266,60 |
| 252370180 | BVC 15/15 | 400/1100 | 4 | 14.800 | 72 | 33 | 422,20 |
| 252450180 | BVC 18/18 | 400/900 | 5,5 | 24.500 | 70 | 45 | 493,10 |

| Code | Model | R.P.M. | Máx. Power kW | Air flow m ³ /h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|------------|----------|---------------|----------------------------|---------------|-----------|----------|
| Código | Modelo | R.P.M. | Pot. máx. kW | Q máx. m ³ /h | Sonido dB (A) | Peso Kg | P.V.P € |
| 252370190 | BVCR 15/15 | 400/1100 | 4 | 14.800 | 72 | 34 | 546,40 |
| 252450190 | BVCR 18/18 | 400/900 | 5,5 | 24.500 | 70 | 46 | 687,30 |
| 252550190 | BVCR 20/20 | 300/900 | 7,5 | 25.100 | 72 | 84 | 1.082,80 |
| 252650190 | BVCR 22/22 | 300/700 | 7,5 | 30.300 | 70 | 94 | 1.151,40 |
| 252750190 | BVCR 25/25 | 200/550 | 11 | 46.400 | 67 | 113 | 1.328,60 |
| 252950190 | BVCR 30/28 | 200/600 | 15 | 62.670 | 72 | 145 | 1.657,20 |

fanware
 powered by **casals**



BC

Single inlet, standard B5 motor

Simple aspiración, motor estándar B5



MANUFACTURING FEATURES

- Galvanised steel sheet housing.
- Single inlet forward curved impeller made of galvanized steel.
- Squirrel cage asynchronous standard motor, IP- 55 protection and rated class F insulation. Standard voltages 230V 50Hz for single phase motors, 230/400V 50Hz for three phase.

APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, air extraction or injection.
- Cooling of machines and parts.
- Clean air transport.
- Maximum working temperature: carried air 130°C, environment 60° for three phase motors and 50°C for single phase.

UNDER REQUEST

- 2 speed motors.

CARACTERÍSTICAS CONSTRUCTIVAS

- Carcasa en chapa galvanizada.
- Turbina multipala de simple aspiración y álabes curvados hacia delante de acero galvanizado.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230V 50Hz para motores monofásicos, 230/400V 50Hz para motores trifásicos.

APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Transporte de aire limpio.
- Temperatura máxima de trabajo en continuo: aire transportado 130°C, ambiente: 60°C para motores trifásicos y 50°C para monofásicos.

BAJO DEMANDA

- Motor 2 velocidades.

ACCESSORIES | ACCESORIOS



INT pg.434
Safety switch.
Interruptor de corte.



EI pg.412
Outlet flange.
Embocadura impulsión.



BA-400 pg.310
Anti-vibrating flange 400°/2h.
flexible.Brida antivibratoria 400°/2h.



SFC pg.433
Frequency speed controller.
Variador de velocidad frecuencial.



JE 45 pg.416
Flexible joint.
Junta elástica.



SIL-C pg.426
Duct circular silencer.
Silenciador circular conducto.



RA pg.400
Inlet protection guard.
Rejilla aspiración.

SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | R.P.M. | Rated I (A) 230V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|--------------------|--------|------------------|---------------|---------------|---------------|-----------|----------|
| Código | Modelo | R.P.M. | I nom. (A) 230V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 251200103 | BC 25/10 M4 0,55kW | 1400 | 3,98 | 0,55 | 2.200 | 54 | 17,5 | 591,30 |
| 251360103 | BC 28/11 M4 1,1kW | 1400 | 7,45 | 1,1 | 3.400 | 56 | 29,5 | 712,30 |
| 251670103 | BC 35/18 M4 1,5kW | 1400 | 9,83 | 1,5 | 5.200 | 60 | 34 | 883,40 |

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | Rated R.P.M. | Rated I (A) | | Rated Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|--------------------|--------------|-------------|------|----------------|---------------|---------------|-----------|----------|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I nom. (A) | | Pot. nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 251200106 | BC 25/10 T4 0,55kW | 1400 | 2,57 | 1,49 | 0,55 | 2.200 | 54 | 18 | 528,20 |
| 251360106 | BC 28/11 T4 1,1kW | 1400 | 4,33 | 2,49 | 1,1 | 3.400 | 56 | 29,5 | 696,30 |
| 251670106 | BC 35/18 T4 1,5kW | 1400 | 5,67 | 3,26 | 1,5 | 5.200 | 60 | 34 | 852,40 |
| 251650106 | BC 35/18 T6 0,75kW | 910 | 3,39 | 1,95 | 0,75 | 4.000 | 50 | 32 | 822,40 |

BST

Single inlet, free shaft without motor

Simple aspiración, eje libre sin motor



MANUFACTURING FEATURES

- Fully made of galvanised steel sheet.
- Simple inlet forward curved impeller in all models.
- Transmission shaft with anticorrosion treatment.
- BST: standard bearing support.
- BSTR: reinforced bearing support.

APPLICATIONS

- Designed for assembly in equipment:
- Ventilation boxes and air handling units.
 - Centrifugal heaters.
 - Industrial and professional kitchen hoods.
 - Maximum working temperature: carried air: 130°C.

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventiladores totalmente fabricados en chapa galvanizada.
- Turbina multipala de álabes curvados hacia delante de simple oído.
- Eje de transmisión con tratamiento anticorrosión.
- BST: soporte rodamiento estándar.
- BSTR: soporte rodamiento reforzado.

APLICACIONES

- Diseñados para ser integrados en equipos:
- Cajas de ventilación y unidades de tratamiento de aire.
 - Aeroterms centrífugos.
 - Campanas de cocina industriales y profesionales.
 - Temperatura máxima de trabajo en continuo: aire transportado: 130°C.

ACCESSORIES | ACCESORIOS



INT pg.434

Safety switch.
Interruptor de corte.



EI pg.412

Outlet flange.
Embocadura impulsión.



BA-400 pg.310

Anti-vibrating flange 400°/2h.
flexible. Brida antivibratoria
400°/2h.



SFC pg.433

Frequency speed controller.
Variador de velocidad
frecuencial.



JE 45 pg.416

Flexible joint.
Junta elástica.



SIL-C pg.426

Duct circular silencer.
Silenciador circular conducto.



RA pg.400

Inlet protection guard.
Rejilla aspiración.

| Code | Model | R.P.M. | Máx. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|------------|-----------|---------------|---------------|---------------|-----------|----------|
| Código | Modelo | R.P.M. | Pot. máx. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 501300900 | BST 9/4 | 1200/2800 | 2 | 2.800 | 72 | 10 | 313,20 |
| 508401000 | BST 10/5 | 1000/2300 | 2,5 | 3.400 | 70 | 11 | 327,80 |
| 508401200 | BST 12/6 | 800/1800 | 3 | 4.500 | 66 | 15 | 382,90 |
| 508401500 | BST 15/7 | 600/1500 | 4 | 7.000 | 74 | 23 | 436,80 |
| 508401800 | BST 18/9 | 500/1200 | 5 | 9.000 | 69 | 30 | 528,80 |
| 508402000 | BSTR 20/10 | 400/900 | 7 | 12.000 | 66 | 68 | 1.127,20 |
| 508402200 | BSTR 22/11 | 400/900 | 7 | 16.000 | 71 | 75 | 1.217,20 |
| 508402500 | BSTR 25/13 | 350/700 | 10 | 20.000 | 62 | 89 | 1.420,80 |
| 508403000 | BSTR 30/14 | 300/600 | 11 | 28.000 | 67 | 120 | 1.705,50 |

BVC-M

Double inlet, belt driven (with motor and belt driven)

Ventilador doble aspiración con motor y transmisión



MANUFACTURING FEATURES

- Galvanized steel sheet housing.
- Double inlet forward curved impeller in all models
- Transmission shaft with anticorrosion treatment.
- Supplied with motor, belts and pulleys.
- Standard asynchronous squirrel-cage motor with IP-55 protection and Class F insulation. Manufactured with standard voltages: 230/400V 50Hz in three phase motors up to 4kW and 400/690V 50Hz for higher powers.
- BVC: Impellers made of polyamide reinforced with fiberglass for sizes 9/9, 10/10 and 12/12; the other models are made of galvanized steel sheet. Ball bearings permanently greased on rubber rings.
- Reinforced CUBIC assembly with lateral panels and a bearings base plate as well.
- Fan supplied without transmission protection.

APPLICATIONS

- Designed for assembly in equipment:
- Ventilation boxes and air handling units.
 - Centrifugal heaters.
 - Industrial and professional kitchen hoods.
 - Maximum working temperature: 60°C.

UNDER REQUEST

- Galvanized impeller.
- Other mounting positions.
- Fan with transmission protection.

This is a belt driven range, each model can be manufactured at different rpm, in case of order should be indicated the desired rpm for the correct operation of the unit and according to the needs.

CARACTERÍSTICAS CONSTRUCTIVAS

- Envolvente fabricada en chapa galvanizada.
- Turbina multipala de álabes curvados hacia delante de doble oído.
- Eje transmisión con tratamientos anticorrosión.
- El ventilador se suministra con motor y transmisión.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Eje de la transmisión que sobresale por los dos lados para permitir el montaje de poleas y correas
- Turbina de poliamida reforzada con fibra de vidrio para tamaños 9/9, 10/10 y 12/12; resto de modelos en chapa galvanizada. Ventilador con rodamientos a bolas de engrase permanente montados en aro de goma para evitar vibraciones.
- Montaje tipo CUBIC con paneles laterales que refuerzan todo el conjunto del ventilador.
- Ventilador suministrado sin protecciones en la transmisión.

APLICACIONES

- Diseñados para ser integrados en equipos:
- Cajas de ventilación y unidades de tratamiento de aire.
 - Aeroterms centrífugos.
 - Campanas de cocina industriales y profesionales.
 - Temperatura máxima de trabajo en continuo: 60°C.

BAJO DEMANDA

- Turbina galvanizada.
- Distintas posiciones de montaje.
- Ventilador con protecciones para la transmisión.

Esta gama es a transmisión, cada modelo se puede fabricar a distintas rpm, en caso de pedido se debe indicar las rpm a las que desea el equipo para que el modelo quede correctamente definido y sea adecuado a sus necesidades.

ACCESSORIES | ACCESORIOS



S pg.408

Mounting support for low pressure fans.
Pie soporte para ventiladores de baja presión.



PI pg.402

Gravity shutter.
Persiana de sobrepresión.



RI pg.398

Outlet guard.
Reja impulsión.



MBI pg.415

Outlet flange.
Marco brida impulsión.



JE 45 pg.416

Flexible joint.
Junta elástica.



SIL-C pg.426

Duct circular silencer.
Silenciador circular conducto.

THREE PHASE RANGE | SERIE TRIFÁSICA

| Model Modelo | Power Potencia (kW) | | | | | | | | |
|----------------|-----------------------|--------|----------|----------|----------|----------|----------|----------|----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 |
| BVC-M 9/9 | 524,80 | 540,90 | 545,50 | 585,60 | 627,30 | | | | |
| BVC-M 10/10 | 593,70 | 609,80 | 614,30 | 654,40 | 696,10 | 786,00 | | | |
| BVC-M 12/12 | 701,90 | 718,00 | 722,40 | 762,70 | 804,30 | 894,20 | 974,80 | | |
| BVC-M 15/15 | | 962,40 | 966,90 | 1.007,10 | 1.048,80 | 1.138,50 | 1.219,20 | 1.338,40 | |
| BVC-M 18/18 | | | 1.079,80 | 1.119,90 | 1.161,70 | 1.251,40 | 1.332,00 | 1.451,20 | 1.632,10 |

BVCR-M

Reinforced double inlet fan with motor and belt driven

Ventilador reforzado de doble aspiración con motor y transmisión



MANUFACTURING FEATURES

- Casing made of galvanized sheet.
- Impeller blade multi-blade forward curved double ear galvanized sheet.
- Belt driven shaft with anti-rust treatment.
- Supplied with motor, belts and pulleys.
- Standard asynchronous squirrel-cage motor with IP-55 protection and Class F insulation. Manufactured with standard voltages: 230/400V 50Hz in three phase motors up to 4kW and 400/690V 50Hz for higher powers.
- Shaft protruding on both sides to allow mounting of pulleys and belts.
- Fan with reinforced cubic structure and bearings supported on rigid bridge structure.
- Fan supplied without transmission protection.

APPLICATIONS

- Designed for assembly in equipment:
- Ventilation boxes and air handling units.
 - Centrifugal heaters.
 - Industrial and professional kitchen hoods.
 - Maximum working temperature: 60°C.

UNDER REQUEST

- Fan with transmission protection.

This is a belt driven range, each model can be manufactured at different rpm, in case of order should be indicated the desired rpm for the correct operation of the unit and according to the needs.

CARACTERÍSTICAS CONSTRUCTIVAS

- Envolverte fabricado en chapa galvanizada.
- Turbina multipala de álabes curvados hacia delante de doble oído de chapa galvanizada.
- Eje transmisión con tratamientos anticorrosión.
- El ventilador se suministra con motor y transmisión.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Eje de la transmisión que sobresale por los dos lados para permitir el montaje de poleas y correas.
- Ventilador con estructura cúbica reforzada y rodamientos de puente rígido soportados sobre la estructura.
- Ventilador suministrado sin protecciones en la transmisión.

APLICACIONES

- Diseñados para ser integrados en equipos:
- Cajas de ventilación y unidades de tratamiento de aire.
 - Aerotermos centrífugos.
 - Campanas de cocina industriales y profesionales.
 - Temperatura máxima de trabajo en continuo: 60°C.

BAJO DEMANDA

- Ventilador con protecciones para la transmisión.

Esta gama es a transmisión, cada modelo se puede fabricar a distintas rpm, en caso de pedido se debe indicar las rpm a las que desea el equipo para que el modelo quede correctamente definido y sea adecuado a sus necesidades.

ACCESSORIES | ACCESORIOS



S pg.408

Mounting support for low pressure fans.
Pie soporte para ventiladores de baja presión.



PI pg.402

Gravity shutter.
Persiana de sobrepresión.



RI pg.398

Outlet guard.
Reja impulsión.



MBI pg.415

Outlet flange.
Marco brida impulsión.



JE 45 pg.416

Flexible joint.
Junta elástica.



SIL-C pg.426

Duct circular silencer.
Silenciador circular conducto.



TM pg.410

Motor tensioning device.
Soporte tensor motor.



BS pg.408

Motor support kit.
kit soporte motor.

THREE PHASE RANGE | SERIE TRIFÁSICA

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | |
|----------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--|
| | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | |
| BVCR-M 15/15 | 1.010,40 | 1.014,90 | 1.055,10 | 1.096,80 | 1.186,60 | 1.267,30 | 1.386,30 | | | | | | |
| BVCR-M 18/18 | | | 1.204,00 | 1.245,70 | 1.335,60 | 1.416,20 | 1.535,30 | 1.716,20 | | | | | |
| BVCR-M 20/20 | | | | 2.090,20 | 2.180,10 | 2.260,60 | 2.379,80 | 2.560,80 | 2.715,70 | 3.032,80 | | | |
| BVCR-M 22/22 | | | | 2.259,90 | 2.349,80 | 2.430,40 | 2.549,40 | 2.730,40 | 2.885,50 | 3.202,50 | 3.375,00 | | |
| BVCR-M 25/25 | | | | | 2.639,60 | 2.720,10 | 2.839,20 | 3.020,20 | 3.175,30 | 3.492,20 | 3.664,70 | | |
| BVCR-M 30/28 | | | | | 3.076,00 | 3.156,60 | 3.275,80 | 3.456,70 | 3.611,70 | 3.928,80 | 4.101,30 | 4.296,70 | |

BST-M

Simple inlet forward impeller, with motor and belt driven

Ventilador simple aspiración con motor a transmisión



MANUFACTURING FEATURES

- Fully made of galvanised steel sheet.
- Simple inlet forward curved impeller in all models.
- Belt driven shaft with anticorrosion treatment.
- BST: standard bearing support.
- BSTR: reinforced bearing support.
- Supplied with motor, belts and pulleys.
- Standard asynchronous squirrel-cage motor with IP-55 protection and Class F insulation. Manufactured with standard voltages: 230/400V 50Hz in three phase motors up to 4kW and 400/690V 50Hz for higher powers.
- Fan supplied without transmission protection.

APPLICATIONS

- Designed for assembly in equipment:
- Ventilation boxes and air handling units.
 - Centrifugal heaters.
 - Industrial and professional kitchen hoods.
 - Maximum working temperature: carried air: 130°C, environment: 60°C.

UNDER REQUEST

- Fan with transmission protection.

This is a belt driven range, each model can be manufactured at different rpm, in case of order should be indicated the desired rpm for the correct operation of the unit and according to the needs.

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventiladores totalmente fabricados en chapa galvanizada.
- Turbina multipala de álabes curvados hacia delante de simple óido.
- Eje de transmisión con tratamiento anticorrosión. BST: Soporte rodamiento estándar. BSTR: Soporte rodamiento reforzado.
- El ventilador se suministra con motor y transmisión
- Motor asincrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Ventilador subministrado sin protecciones en la transmisión.

APLICACIONES

- Diseñados para ser integrados en equipos:
- Cajas de ventilación y unidades de tratamiento de aire.
 - Aerotermos centrifugos.
 - Campanas de cocina industriales y profesionales.
 - Temperatura máxima de trabajo en continuo: aire transportado: 130°C, ambiente: 60°C.

BAJO DEMANDA

- Ventilador con protecciones para la transmisión.

Esta gama es a transmisión, cada modelo se puede fabricar a distintas rpm, en caso de pedido se debe indicar las rpm a las que desea el equipo para que el modelo quede correctamente definido y sea adecuado a sus necesidades.

ACCESSORIES | ACCESORIOS



INT pg.434
Safety switch.
Interruptor de corte.



EI pg.412
Outlet flange.
Embocadura impulsión.



BA-400 pg.310
Anti-vibrating flange 400%/2h. flexible. Brida antivibratoria 400%/2h.



SFC pg.433
Frequency speed controller. Variador de velocidad frecuencial.



JE 45 pg.416
Flexible joint.
Junta elástica.



SIL-C pg.426
Duct circular silencer.
Silenciador circular conducto.



RA pg.400
Inlet protection guard.
Rejilla aspiración.

THREE PHASE RANGE | SERIE TRIFÁSICA

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | |
|----------------|-----------------------|--------|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | |
| BST-M 9/4 | 637,60 | 653,70 | 658,20 | 698,40 | 740,00 | 830,00 | | | | | | | |
| BST-M 10/5 | 680,10 | 696,10 | 700,70 | 740,70 | 782,60 | 872,30 | | | | | | | |
| BST-M 12/6 | 753,50 | 769,60 | 774,10 | 814,20 | 855,90 | 945,80 | 1.026,40 | | | | | | |
| BST-M 15/7 | | 859,60 | 864,10 | 904,20 | 945,90 | 1.035,70 | 1.116,40 | 1.235,50 | | | | | |
| BST-M 18/9 | | | 917,20 | 957,40 | 999,10 | 1.088,90 | 1.169,60 | 1.288,70 | 1.469,70 | | | | |
| BSTR-M 20/10 | | | | 1.481,20 | 1.522,90 | 1.612,70 | 1.693,40 | 1.812,40 | 1.993,40 | 2.148,50 | 2.465,50 | | |
| BSTR-M 22/11 | | | | 1.574,60 | 1.616,50 | 1.706,20 | 1.786,80 | 1.906,00 | 2.086,90 | 2.242,00 | 2.558,90 | | |
| BSTR-M 25/13 | | | | | 1.738,00 | 1.827,80 | 1.908,40 | 2.027,60 | 2.208,60 | 2.363,50 | 2.680,40 | 2.853,10 | |
| BSTR-M 30/14 | | | | | 2.063,40 | 2.153,10 | 2.233,70 | 2.352,90 | 2.533,80 | 2.688,90 | 3.005,80 | 3.178,40 | |

BCI

Portable fan for inflatable slides and bouncy castles

Portátil para hinchables y castillos infantiles



MANUFACTURING FEATURES

- Fully made of galvanised steel sheet.
- Single inlet forward curved impeller in all models.
- Portable box with outlet backward damper.
- Circular outlet for direct connection to duct or inflatable input.
- Standard asynchronous squirrel-cage motor with IP-55 protection and class F insulation. Standard voltages 230V 50Hz.
- Default assembly orientation is LG270.

APPLICATIONS

- Inflatable slides and bouncy castles.
- Industrial applications, air extraction or injection.
- Maximum working temperature: carried air 130°C; environment single phase 50°C.

CARACTERÍSTICAS CONSTRUCTIVAS

- Totalmente construido en chapa galvanizada.
- Turbina multipala de álabes curvados hacia delante de simple oído.
- Caja transportable con compuerta antirretorno en la impulsión.
- Salida circular para conexión a tubería o bien a la entrada de aire del hinchable.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230V 50Hz.
- La orientación de montaje por defecto es LG270.

APLICACIONES

- Hinchables y castillos infantiles.
- Procesos industriales, extracción o inyección localizada.
- Temperatura máxima de trabajo en continuo: aire transportado 130°C, ambiente monofásico 50°C.

ACCESSORIES | ACCESORIOS



INT pg.434

Safety switch.
Interrupción de corte.



BA-400 pg.416

Anti-vibrating flange 400º/2h.
flexible.Brida antivibratoria 400º/2h.



SIL-C pg.426

Duct circular silencer.
Silenciador circular conducto.



JE 45 pg.416

Flexible joint.
Junta elástica.



BAD pg.416

Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.

SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | Rated R.P.M. | Rated I (A) 230V | Rat.. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|--------------------|--------------|------------------|----------------|---------------|---------------|-----------|-----------------|
| Código | Modelo | R.P.M. nom. | I nom. (A) 230V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € |
| 253250103 | BCI 20/8 M2 1,1kW | 2800 | 6,71 | 1,1 | 1.590 | 58 | 27 | 974,50 |
| 253260103 | BCI 22/9 M2 1,1kW | 2800 | 6,71 | 1,1 | 1.300 | 62 | 38 | 984,30 |
| 253260120 | BCI 22/9 M2 1,5kW | 2800 | 9,44 | 1,5 | 2.010 | 62 | 39 | 1.032,50 |
| 253320103 | BCI 25/10 M2 1,5kW | 2800 | 9,44 | 1,5 | 1.430 | 66 | 45 | 1.046,50 |

> EXTRACTOR REVERSIBLE DE
GRAN CAUDAL Y SILENCIOSO
PARA VENTANA O PARED <

> REVERSIBLE EXTRACTOR OF
GREAT FLOW AND SILENT
FOR WINDOW OR WALL <



> KUBALIK <

> 150/ 230/ 300



www.casals.com

> ERELIS <

> 100/120/150

> EXTRACTOR **ULTRA SILENCIOSO**
Y **DELGADO** CON COMPUERTA
ANTIRRETORNO <

> **ULTRA QUIET** AND **SLIM** EXTRACTOR
WITH BACKDRAUGHT DAMPER <



> TEKSTÜR <

> 100/120



> EXTRACTOR DE ALTA GAMA **CON**
TEMPORIZADOR Y **COMPUERTA**
ANTIRRETORNO <

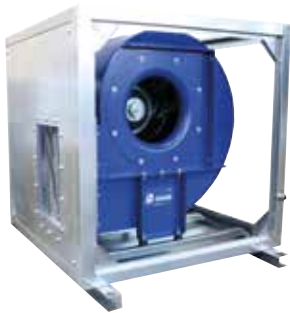
> **HIGH-END** EXTRACTOR **WITH**
BACKDRAUGHT DAMPER <

www.casals.com

NIMUS

Centrifugal fan, for clean or slightly dusty air

Ventilador centrífugo, para aire limpio o ligeramente polvoriento



* Under request / Bajo demanda :
Nimus + AB (Acoustic box/ caja acústica)

MANUFACTURING FEATURES

- Medium pressure centrifugal fan with direct coupling.
- Reinforced housing made of carbon laminated steel, protected against corrosion by powder coating polyester resin RAL 5010. Finish C3.
- Casing fully latched and adjustable.
- Self-cleaning turbine and reinforced impeller with high-performance backward (reaction) blades made of carbon laminated steel dynamically balanced to minimize noise and vibrations. Graffiti black RAL 9005.
- Squirrel cage standardized asynchronous IEC motor with IP-55 protection and class F electrical insulation. Standard voltages 230/400V 50Hz for three-phase motors up to 4kW and 400/690V 50Hz, for higher powers.
- Motor (B3) with feet and support base.
- Models from 500 are supplied with a front support foot, for the other models the front support foot is optional.
- Available in the following guidelines (to be indicated in case of order): LG0, LG45, LG90, LG135, LG180; LG225, LG270, LG315, RD0, RD45, RD90, RD135, RD180; RD225, RD270, RD315.
- Maximum continuous working temperature: transported air 130°C, ambient 60°C.

APPLICATIONS

- Suitable for moving clean or dusty air.
- Designed to be installed in duct for supply or extract air.
- Paint booths.
- Dust collection.
- Dryers of the food industry.
- Food processing.
- Incineration.
- Odour control in industry.
- Indoor / outdoor pollution control.
- Big buildings.
- Malls.
- Factories / Industrial warehouses.
- Warehouses.
- Smoke extraction.
- Boilers and ovens.
- Filtering technology.
- Manufacture and treatment of chemical products.
- Tunnels.
- Underground stations.

UNDER REQUEST

- Fans for 60Hz or special voltages.
- 2 speed motor.
- C4 or C5 coating painting.
- Hot dip galvanized.
- Inox 304 (normal or electro polished finish).
- Inox 316 (normal or electro polished finish).
- Cooling impeller.
- Anticorrosive painting.
- Fully welded housing (waterproof).
- Inspection door for easy maintenance and cleaning.
- Drainage system.
- Airtight axle.
- Other brands of motors.
- With heat slingers.
- Non-sparking air passage and standard motor.

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador centrífugo de media presión con acoplamiento directo.
- Carcasa reforzada fabricada en acero laminado al carbono, protegida contra la corrosión mediante recubrimiento de polvo de resina poliéster de color RAL 5010. Acabado C3.
- Carcasa totalmente engatillada y orientable.
- Turbina autolimpiante y rodete reforzado de álabes hacia atrás (a reacción) de alto rendimiento fabricado en acero laminado al carbono equilibrado dinámicamente para minimizar el ruido y las vibraciones. Pintada de color negro RAL 9005.
- Motor IEC asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento eléctrico clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Motor con patas (B3) soportado sobre pie soporte motor.
- Los modelos de tamaño 500 y superiores se suministran con pie soporte delantero, para el resto de modelos el pie soporte delantero es opcional.
- Disponible en las siguientes orientaciones (a indicar en caso de pedido): LG0, LG45, LG90, LG135, LG180; LG225, LG270, LG315, RD0, RD45, RD90, RD135, RD180; RD225, RD270, RD315.
- Temperatura máxima de trabajo en continuo: aire transportado: 130°C, ambiente: 60°C.

APLICACIONES

- Adecuados para mover aire limpio o polvoriento.
- Diseñados para instalarse en conducto para la aspiración o la impulsión.
- Cabinas de pintura.
- Recogida de polvo.
- Secadores de la industria alimenticia.
- Procesamiento de alimentos.
- Incineración.
- Control de olores en industria.
- Control de polución interior/ exterior.
- Grandes edificios.
- Centros comerciales.
- Fábricas / Naves industriales.
- Almacenes.
- Extracción de humos.
- Calderas y hornos.
- Tecnología de filtrado.
- Fabricación y tratamiento de productos químicos.
- Túneles.
- Estaciones subterráneas.

BAJO DEMANDA

- Ventiladores para 60Hz o voltajes especiales.
- Motor 2 velocidades.
- Acabado pintura C4-C5.
- Galvanizado en caliente.
- Inox 304 (acabado normal o electropulido).
- Inox 316 (acabado normal o electropulido).
- Con rodete de refrigeración.
- Pintura anticorrosiva.
- Carcasa totalmente soldada (estanca).
- Puerta inspección para facilitar el mantenimiento y la limpieza.
- Drenaje.
- Eje estanco.
- Otras marcas de motores.
- Paso de aire antichispas y motor estándar.

ACCESSORIES | ACCESORIOS



INT pg.434
Safety switch.
Interruptor de corte.



SFC pg.433
Frequency speed controller.
Variador de velocidad
frecuencial.



RA pg.400
Inlet protection guard.
Rejilla aspiración.



AC pg.411
Connexion flange.
Brida de connexion.



JE 45 pg.416
Flexible joint.
Junta elástica.



AVR pg.422
Anti-vibration rubber block.
Amortiguador antivibrátil de
caucho.



EIS pg.414
Outlet flange.
Embocadura impulsión.



BADS pg.422
Coupling flange.
Brida antivibratoria
circular-circular.



AVS pg.423
Spring anti-vibration blocks.
Amortiguador de muelles.



RIS pg.399
Outlet guard.
Reja de impulsión.



BIDS pg.418
Rectangular-Rectangular anti-vibration
flange for Storm.
Brida antivibratoria rectangular-
rectangular para Storm.



SIL-C pg.426
Duct circular silencer.
Silenciador circular
conducto.



FS pg.409
Front support for medium and high
pressure fans
Pie soporte delantero para venti-
ladores de media y alta presión



AB pg.425
Acoustic cabins for Casals
centrifugal fans
Cabinas acústicas para venti-
ladores centrifugos Casals



BA-400 pg.416
Anti-vibrating flange 400º/2h.
flexible.
Brida antivibratoria 400º/2h.

THREE PHASE RANGE | SERIE TRIFÁSICA

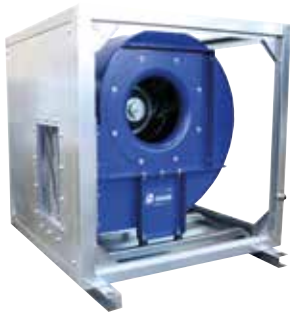
| Code * | Model | Rated R.P.M. | Rated I (A) 400V | Rat.. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-------------|---------------------|--------------|------------------|----------------|---------------|---------------|-----------|-------------------|
| Código * | Modelo | R.P.M. | I nom. (A) 400V | Potencia kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| NS311280 | NIMUS 311 T2 1,1kW | 2800 | 2,33 | 1,1 | 4.710 | 58 | 56 | 1.091,00 |
| NS312280 | NIMUS 312 T2 1,1kW | 2800 | 2,33 | 1,1 | 4.960 | 59 | 58 | 1.097,60 |
| NS351290 | NIMUS 351 T2 2,2kW | 2840 | 4,58 | 2,2 | 6.750 | 62 | 85 | 1.334,00 |
| NS352290 | NIMUS 352 T2 2,2kW | 2840 | 4,58 | 2,2 | 7.100 | 63 | 88 | 1.342,20 |
| NS4012100 | NIMUS 401 T2 3kW | 2880 | 5,92 | 3 | 9.650 | 66 | 108,5 | 1.582,40 |
| NS4022112 | NIMUS 402 T2 4kW | 2880 | 7,63 | 4 | 10.160 | 67 | 116,5 | 1.654,70 |
| NS4512132 | NIMUS 451 T2 7,5kW | 2910 | 14,1 | 7,5 | 13.740 | 69 | 153 | 2.054,10 |
| NS4522132 | NIMUS 452 T2 7,5kW | 2910 | 14,1 | 7,5 | 14.460 | 70 | 156 | 2.065,30 |
| NS5012160 | NIMUS 501 T2 11kW | 2940 | 20,8 | 11 | 18.850 | 73 | 185 | 2.999,40 |
| NS5022160 | NIMUS 502 T2 11kW | 2940 | 20,8 | 11 | 19.840 | 73 | 189 | 3.014,10 |
| NS311471 | NIMUS 311 T4 0,37kW | 1400 | 1,07 | 0,37 | 2.360 | 43 | 46,2 | 1.012,80 |
| NS312471 | NIMUS 312 T4 0,37kW | 1400 | 1,07 | 0,37 | 2.480 | 44 | 48,2 | 1.019,40 |
| NS351471 | NIMUS 351 T4 0,37kW | 1400 | 1,07 | 0,37 | 3.370 | 47 | 66,2 | 1.114,60 |
| NS352471 | NIMUS 352 T4 0,37kW | 1400 | 1,07 | 0,37 | 3.550 | 48 | 69,2 | 1.122,10 |
| NS401480 | NIMUS 401 T4 0,55kW | 1400 | 1,49 | 0,55 | 4.830 | 51 | 79 | 1.279,10 |
| NS402480 | NIMUS 402 T4 0,55kW | 1400 | 1,49 | 0,55 | 5.080 | 51 | 82 | 1.288,10 |
| NS451480 | NIMUS 451 T4 0,75kW | 1410 | 1,63 | 0,75 | 6.870 | 54 | 95 | 1.457,30 |
| NS452490 | NIMUS 452 T4 1,1kW | 1450 | 2,49 | 1,1 | 7.230 | 55 | 106 | 1.500,00 |
| NS501490 | NIMUS 501 T4 1,5kW | 1440 | 3,26 | 1,5 | 9.420 | 57 | 122 | 1.733,80 |
| NS502490 | NIMUS 502 T4 1,5kW | 1440 | 3,26 | 1,5 | 9.920 | 58 | 126 | 1.746,10 |
| NS5614100 | NIMUS 561 T4 2,2kW | 1435 | 4,64 | 2,2 | 13.240 | 61 | 154 | 2.199,30 |
| NS5624100 | NIMUS 562 T4 3kW | 1420 | 6,17 | 3 | 13.940 | 62 | 158 | 2.294,40 |
| NS6314112 | NIMUS 631 T4 4kW | 1440 | 8,32 | 4 | 18.850 | 65 | 200,8 | 2.750,80 |
| NS6324132 | NIMUS 632 T4 5,5kW | 1460 | 10,5 | 5,5 | 19.850 | 65 | 237 | 2.935,10 |
| NS7114132 | NIMUS 711 T4 7,5kW | 1455 | 14,1 | 7,5 | 26.980 | 68 | 308 | 3.461,90 |
| NS7124132 | NIMUS 712 T4 9,2kW | 1465 | 17,4 | 9,2 | 28.410 | 69 | 330,4 | 3.689,20 |
| NS8014160 | NIMUS 801 T4 15kW | 1465 | 29,8 | 15 | 38.600 | 72 | 430 | 4.680,70 |
| NS8024160 | NIMUS 802 T4 15kW | 1465 | 29,8 | 15 | 40.640 | 73 | 440 | 4.708,30 |
| NS9014200 | NIMUS 901 T4 30kW | 1475 | 56,3 | 30 | 54.960 | 75 | 748 | 7.046,20 |
| NS9024200 | NIMUS 902 T4 30kW | 1475 | 56,3 | 30 | 57.860 | 76 | 758 | 7.084,80 |
| NS10014225 | NIMUS 1001 T4 45kW | 1475 | 80,7 | 45 | 75.390 | 79 | 1083 | 9.214,30 |
| NS10024225 | NIMUS 1002 T4 45kW | 1475 | 80,7 | 45 | 79.370 | 79 | 1093 | 9.263,80 |
| NS501680 | NIMUS 501 T6 0,37kW | 900 | 1,27 | 0,37 | 6.280 | 49 | 108,9 | 1.626,50 |
| NS502680 | NIMUS 502 T6 0,55kW | 900 | 1,8 | 0,55 | 6.610 | 49 | 113,9 | 1.645,00 |
| NS561690 | NIMUS 561 T6 0,75kW | 925 | 1,95 | 0,75 | 8.830 | 52 | 139 | 2.230,30 |
| NS562690 | NIMUS 562 T6 0,75kW | 925 | 1,95 | 0,75 | 9.290 | 53 | 143 | 2.145,80 |
| NS6316100 | NIMUS 631 T6 1,5kW | 940 | 3,71 | 1,5 | 12.570 | 56 | 193,5 | 2.600,70 |
| NS6326100 | NIMUS 632 T6 1,5kW | 940 | 3,71 | 1,5 | 13.230 | 57 | 198,5 | 2.618,90 |
| NS7116112 | NIMUS 711 T6 2,2kW | 965 | 5,94 | 2,2 | 17.990 | 59 | 278 | 3.096,40 |
| NS7126132 | NIMUS 712 T6 3kW | 960 | 7,3 | 3 | 18.940 | 60 | 302 | 3.330,10 |
| NS8016132 | NIMUS 801 T6 4kW | 960 | 9,46 | 4 | 25.730 | 63 | 368 | 3.980,80 |
| NS8026132 | NIMUS 802 T6 5,5kW | 960 | 12,8 | 5,5 | 27.090 | 64 | 382 | 4.169,30 |
| NS9016160 | NIMUS 901 T6 7,5kW | 965 | 15,2 | 7,5 | 36.640 | 67 | 610 | 5.379,80 |
| NS9026160 | NIMUS 902 T6 11kW | 975 | 18,2 | 11 | 38.570 | 67 | 660 | 6.238,20 |
| NS10016180 | NIMUS 1001 T6 15kW | 970 | 27,7 | 15 | 50.260 | 70 | 890 | 7.059,90 |
| NS10026180 | NIMUS 1002 T6 15kW | 970 | 27,7 | 15 | 52.910 | 71 | 900 | 7.106,50 |
| NS501611281 | NIMUS 1121 T6 30kW | 980 | 54,4 | 30 | 68.400 | 71 | 1153 | Consultar Consult |
| NS501611282 | NIMUS 1122 T6 37kW | 980 | 66,8 | 37 | 75.600 | 67 | 1242 | Consultar Consult |
| NS501612586 | NIMUS 1251 T6 55kW | 980 | 102 | 55 | 97.200 | 74 | 1739 | Consultar Consult |
| NS501612588 | NIMUS 1252 T6 75kW | 985 | 138 | 75 | 108.000 | 76 | 1960 | Consultar Consult |
| NS501614106 | NIMUS 1401 T6 90kW | 985 | 164 | 90 | 122.400 | 78 | 2342 | Consultar Consult |
| NS501614107 | NIMUS 1402 T6 110kW | 990 | 199 | 110 | 140.000 | 78 | 2363 | Consultar Consult |
| NS8018132 | NIMUS 801 T8 2,2kW | 700 | 5,44 | 2,2 | 19.300 | 56 | 338 | 3.962,10 |
| NS8028132 | NIMUS 802 T8 2,2kW | 700 | 5,44 | 2,2 | 20.320 | 57 | 353 | 3.989,60 |
| NS9018132 | NIMUS 901 T8 3kW | 700 | 7,23 | 3 | 27.480 | 60 | 580 | 5.123,60 |
| NS9028160 | NIMUS 902 T8 4kW | 725 | 9,43 | 4 | 28.930 | 60 | 595 | 5.494,90 |
| NS10018160 | NIMUS 1001 T8 5,5kW | 725 | 12,7 | 5,5 | 37.700 | 63 | 860 | 6.476,20 |
| NS10028160 | NIMUS 1002 T8 5,5kW | 725 | 12,7 | 5,5 | 39.680 | 64 | 875 | 6.522,80 |

* This code corresponds to the model | Este código corresponde al modelo LG270

NIMAX

Backward centrifugal fan, for clean or slightly dusty air

Ventilador centrífugo a reacción, para aire limpio o ligeramente polvoriento



* Under request / Bajo demanda :
Nimax + AB (Acoustic box/ caja acústica)

MANUFACTURING FEATURES

- Medium pressure centrifugal fan with direct coupling.
- Reinforced housing made of carbon laminated steel, protected against corrosion by powder coating polyester resin RAL 5010. Finish C3.
- Casing fully latched and adjustable.
- Self-cleaning turbine and reinforced impeller with high-performance backward (reaction) blades made of carbon laminated steel dynamically balanced to minimize noise and vibrations. Graffiti black RAL 9005.
- The size of the centrifugal impeller and casing is larger than a NIMUS, which increases the performance of the unit.
- Squirrel cage standardized asynchronous IEC motor with IP-55 protection and class F electrical insulation. Standard voltages 230/400V 50Hz for three-phase motors up to 4kW and 400/690V 50Hz, for higher powers.
- Motor (B3) with feet and support base.
- Models from 500 are supplied with a front support foot, for the other models the front support foot is optional.
- Available in the following guidelines (to be indicated in case of order): LG0, LG45, LG90, LG135, LG180; LG225, LG270, LG315, RD0, RD45, RD90, RD135, RD180; RD225, RD270, RD315.
- Maximum continuous working temperature: transported air 130°C, ambient 60°C.

APPLICATIONS

- Suitable for moving clean or dusty air.
- Designed to be installed in the suction or discharge duct.
- Paint booths.
- Dust collection.
- Dryers of the food industry.
- Food processing.
- Incineration.
- Odour control in industry.
- Indoor / outdoor pollution control.
- Big buildings.
- Malls.
- Factories / Industrial warehouses.
- Warehouses.
- Smoke extraction.
- Boilers and ovens.
- Filtering technology.
- Manufacture and treatment of chemical products.
- Tunnels.
- Underground stations.

UNDER REQUEST

- Fans for 60Hz or special voltages.
- 2 speed motor.
- C4 or C5 coating painting.
- Hot dip galvanized.
- Inox 304 (normal or electro polished finish).
- Inox 316 (normal or electro polished finish).
- Cooling impeller.
- Anticorrosive painting.
- Fully welded housing (waterproof).
- Inspection door for easy maintenance and cleaning.
- Drainage systems.
- Airtight axle.
- Other brands of motors.
- With heat slingers.
- Non-sparking air passage and standard motor.

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador centrífugo de media presión con acoplamiento directo.
- Carcasa reforzada fabricada en acero laminado al carbono, protegida contra la corrosión mediante recubrimiento de polvo de resina poliéster de color RAL 5010. Acabado C3.
- Carcasa totalmente engatillada y orientable.
- Turbina autolimpiante y rodete reforzado de álabes hacia atrás (a reacción) de alto rendimiento fabricado en acero laminado al carbono equilibrado dinámicamente para minimizar el ruido y las vibraciones. Pintada de color negro RAL 9005.
- El tamaño de la turbina centrífuga y la caja de viento es de mayores dimensiones que un NIMUS, con lo que se consigue incrementar las prestaciones de la máquina.
- Motor IEC asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento eléctrico clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Motor con patas (B3) soportado sobre pie soporte motor.
- Los modelos de tamaño 500 y superiores se suministran con pie soporte delantero, para el resto de modelos el pie soporte delantero es opcional.
- Disponible en las siguientes orientaciones (a indicar en caso de pedido): LG0, LG45, LG90, LG135, LG180; LG225, LG270, LG315, RD0, RD45, RD90, RD135, RD180; RD225, RD270, RD315.
- Temperatura máxima de trabajo en continuo: aire transportado: 130°C, ambiente: 60°C.

APLICACIONES

- Adecuados para mover aire limpio o polvoriento.
- Diseñados para instalarse en conducto para la aspiración o la impulsión.
- Cabinas de pintura.
- Recogida de polvo.
- Secadores de la industria alimenticia.
- Procesamiento de alimentos.
- Incineración.
- Control de olores en industria.
- Control de polución interior/externo.
- Grandes edificios.
- Centros comerciales.
- Fábricas / Naves industriales.
- Almacenes.
- Extracción de humos.
- Calderas y hornos.
- Tecnología de filtrado.
- Fabricación y tratamiento de productos químicos.
- Túneles.
- Estaciones subterráneas.

BAJO DEMANDA

- Ventiladores para 60Hz o voltajes especiales.
- Motor 2 velocidades.
- Acabado pintura C4-C5.
- Galvanizado en caliente.
- Inox 304 (acabado normal o electropulido).
- Inox 316 (acabado normal o electropulido).
- Con rodete de refrigeración.
- Pintura anticorrosiva.
- Carcasa totalmente soldada (estanca).
- Puerta inspección para facilitar el mantenimiento y la limpieza.
- Drenaje.
- Eje estanco.
- Otras marcas de motores.
- Paso de aire antichispas y motor estándar.

ACCESSORIES | ACCESORIOS



INT pg.434
Safety switch.
Interruptor de corte.



SFC pg.433
Frequency speed controller.
Variador de velocidad
frecuencial.



RA pg.400
Inlet protection guard.
Rejilla aspiración.



AC pg.411
Connexion flange.
Brida de conexión.



JE 45 pg.416
Flexible joint.
Junta elástica.



AVR pg.422
Anti-vibration rubber block.
Amortiguador antivibrátil de
caucho.



EIS pg.414
Outlet flange.
Embocadura impulsión.



BADS pg.422
Coupling flange.
Brida antivibratoria
circular-circular.



AVS pg.423
Spring anti-vibration blocks.
Amortiguador de muelles.



RIS pg.399
Outlet guard.
Reja de impulsión.



BIDS pg.418
Rectangular-Rectangular anti-vibration
flange for Storm.
Brida antivibratoria rectangular-
rectangular para Storm.



SIL-C pg.426
Duct circular silencer.
Silenciador circular
conducto.



FS pg.409
Front support for medium and high
pressure fans
Pie soporte delantero para venti-
ladores de media y alta presión



AB pg.425
Acoustic cabins for Casals
centrifugal fans
Cabinas acústicas para venti-
ladores centrifugos Casals



BA-400 pg.416
Anti-vibrating flange 400º/2h.
flexible.
Brida antivibratoria 400º/2h.

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code * | Model | Rated R.P.M. | Rated I (A) 400V | Rat.. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|------------|----------------------|--------------|------------------|----------------|---------------|---------------|-----------|-----------|
| Código * | Modelo | R.P.M. | I nom. (A) 400V | Potencia kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| NX313290 | NIMAX 313 T2 1,5kW | 2865 | 3,14 | 1,5 | 5.240 | 60 | 67,5 | 1.140,90 |
| NX314290 | NIMAX 314 T2 1,5kW | 2865 | 3,14 | 1,5 | 5.500 | 60 | 69,5 | 1.147,40 |
| NX353290 | NIMAX 353 T2 2,2kW | 2840 | 4,58 | 2,2 | 7.500 | 63 | 91 | 1.350,50 |
| NX3542100 | NIMAX 354 T2 3kW | 2880 | 5,92 | 3 | 7.870 | 64 | 107,5 | 1.457,90 |
| NX4032112 | NIMAX 403 T2 4kW | 2880 | 7,63 | 4 | 10.730 | 67 | 119,5 | 1.664,50 |
| NX4042132 | NIMAX 404 T2 5,5kW | 2910 | 10,6 | 5,5 | 11.260 | 67 | 147 | 1.851,10 |
| NX4532132 | NIMAX 453 T2 7,5kW | 2910 | 14,1 | 7,5 | 15.280 | 70 | 159 | 2.118,30 |
| NX4542132 | NIMAX 454 T2 9,2kW | 2930 | 16,6 | 9,2 | 16.040 | 71 | 179 | 2.328,60 |
| NX5032160 | NIMAX 503 T2 15kW | 2935 | 27,4 | 15 | 20.960 | 74 | 208 | 3.167,30 |
| NX5042160 | NIMAX 504 T2 15kW | 2935 | 27,4 | 15 | 22.000 | 74 | 212 | 3.182,00 |
| NX313471 | NIMAX 313 T4 0,37kW | 1400 | 1,07 | 0,37 | 2.620 | 45 | 50,2 | 1.025,90 |
| NX314471 | NIMAX 314 T4 0,37kW | 1400 | 1,07 | 0,37 | 2.750 | 45 | 52,2 | 1.032,50 |
| NX353471 | NIMAX 353 T4 0,37kW | 1400 | 1,07 | 0,37 | 3.750 | 48 | 72,2 | 1.129,80 |
| NX354471 | NIMAX 354 T4 0,37kW | 1400 | 1,07 | 0,37 | 3.940 | 49 | 75,2 | 1.137,30 |
| NX403480 | NIMAX 403 T4 0,55kW | 1400 | 1,49 | 0,55 | 5.370 | 52 | 85 | 1.297,00 |
| NX404480 | NIMAX 404 T4 0,55kW | 1400 | 1,49 | 0,55 | 5.630 | 52 | 88 | 1.306,10 |
| NX453490 | NIMAX 453 T4 1,1kW | 1450 | 2,49 | 1,1 | 7.640 | 55 | 109 | 1.510,30 |
| NX454490 | NIMAX 454 T4 1,1kW | 1450 | 2,49 | 1,1 | 8.020 | 56 | 112 | 1.520,70 |
| NX503490 | NIMAX 503 T4 1,5kW | 1440 | 3,26 | 1,5 | 10.480 | 59 | 130 | 1.758,40 |
| NX5044100 | NIMAX 504 T4 2,2kW | 1435 | 4,64 | 2,2 | 11.000 | 59 | 146 | 1.846,10 |
| NX5634100 | NIMAX 563 T4 3kW | 1420 | 6,17 | 3 | 14.730 | 62 | 162 | 2.309,60 |
| NX5644100 | NIMAX 564 T4 3kW | 1420 | 6,17 | 3 | 15.460 | 63 | 166 | 2.324,90 |
| NX6334132 | NIMAX 633 T4 5,5kW | 1460 | 10,5 | 5,5 | 20.970 | 66 | 242 | 2.953,20 |
| NX6344132 | NIMAX 634 T4 5,5kW | 1460 | 10,5 | 5,5 | 22.010 | 66 | 247 | 2.971,40 |
| NX7134132 | NIMAX 713 T4 9,2kW | 1465 | 17,4 | 9,2 | 30.010 | 69 | 335,4 | 3.711,30 |
| NX7144160 | NIMAX 714 T4 11kW | 1455 | 21,2 | 11 | 31.500 | 70 | 355 | 3.995,50 |
| NX8034180 | NIMAX 803 T4 18,5kW | 1470 | 35,6 | 18,5 | 42.930 | 73 | 520 | 5.138,50 |
| NX8044180 | NIMAX 804 T4 18,5kW | 1470 | 35,6 | 18,5 | 45.060 | 73 | 530 | 5.166,10 |
| NX9034200 | NIMAX 903 T4 30kW | 1475 | 56,3 | 30 | 61.130 | 76 | 768 | 7.123,50 |
| NX9044225 | NIMAX 904 T4 37kW | 1470 | 69,2 | 37 | 64.160 | 77 | 782 | 7.811,70 |
| NX10034250 | NIMAX 1003 T4 55kW | 1475 | 97,1 | 55 | 83.850 | 80 | 1184 | 10.613,80 |
| NX10044250 | NIMAX 1004 T4 55kW | 1475 | 97,1 | 55 | 88.010 | 80 | 1194 | 10.667,20 |
| NX503680 | NIMAX 503 T6 0,55kW | 900 | 1,8 | 0,55 | 6.990 | 50 | 117,9 | 1.657,20 |
| NX504680 | NIMAX 504 T6 0,55kW | 900 | 1,8 | 0,55 | 7.330 | 50 | 121,9 | 1.669,50 |
| NX563690 | NIMAX 563 T6 1,1kW | 925 | 2,78 | 1,1 | 9.820 | 53 | 151 | 2.181,40 |
| NX564690 | NIMAX 564 T6 1,1kW | 925 | 2,78 | 1,1 | 10.300 | 54 | 155 | 2.196,70 |
| NX6336100 | NIMAX 633 T6 1,5kW | 940 | 3,71 | 1,5 | 13.980 | 57 | 203,5 | 2.637,10 |
| NX6346112 | NIMAX 634 T6 2,2kW | 965 | 5,94 | 2,2 | 14.670 | 57 | 218 | 2.748,20 |
| NX7136132 | NIMAX 713 T6 3kW | 960 | 7,3 | 3 | 20.010 | 60 | 307 | 3.352,10 |
| NX7146132 | NIMAX 714 T6 3kW | 960 | 7,3 | 3 | 21.000 | 61 | 312 | 3.374,10 |
| NX8036132 | NIMAX 803 T6 5,5kW | 960 | 12,8 | 5,5 | 28.620 | 64 | 392 | 4.196,90 |
| NX8046132 | NIMAX 804 T6 5,5kW | 960 | 12,8 | 5,5 | 30.040 | 65 | 402 | 4.224,40 |
| NX9036160 | NIMAX 903 T6 11kW | 975 | 18,2 | 11 | 40.750 | 68 | 670 | 6.276,10 |
| NX9046160 | NIMAX 904 T6 11kW | 965 | 22,6 | 11 | 42.770 | 68 | 675 | 5.801,60 |
| NX10036180 | NIMAX 1003 T6 15kW | 970 | 27,7 | 15 | 55.900 | 71 | 910 | 7.153,20 |
| NX10046200 | NIMAX 1004 T6 18,5kW | 975 | 35,7 | 18,5 | 58.670 | 71 | 964 | 7.694,00 |
| NX8038132 | NIMAX 803 T8 2,2kW | 700 | 5,44 | 2,2 | 21.470 | 57 | 368 | 4.017,20 |
| NX8048132 | NIMAX 804 T8 2,2kW | 700 | 5,44 | 2,2 | 22.530 | 58 | 382 | 4.044,70 |
| NX9038160 | NIMAX 903 T8 4kW | 725 | 9,43 | 4 | 30.560 | 61 | 610 | 5.532,70 |
| NX9048160 | NIMAX 904 T8 4kW | 725 | 9,43 | 4 | 32.080 | 61 | 660 | 5.570,50 |
| NX10038160 | NIMAX 1003 T8 7,5kW | 725 | 17 | 7,5 | 41.930 | 64 | 890 | 6.746,50 |
| NX10048160 | NIMAX 1004 T8 7,5kW | 725 | 17 | 7,5 | 44.000 | 65 | 900 | 6.793,10 |

* This code corresponds to the model | Este código corresponde al modelo LG270

PRESTUR

Medium pressure fan for paint workshops

Ventilador centrífugo de media presión ideal para cabinas de pintura



MANUFACTURING FEATURES

- Medium pressure centrifugal fan with direct coupling.
- Reinforced housing made of carbon laminated steel, protected against corrosion by powder coating polyester resin RAL 5010. Finish C3.
- Casing fully latched and adjustable.
- Self-cleaning turbine and reinforced impeller with high-performance backward (reaction) blades made of carbon laminated steel dynamically balanced to minimize noise and vibrations. Graffiti black RAL 9005.
- Squirrel cage standardized asynchronous IEC motor with IP-55 protection and class F electrical insulation. Standard voltages 230/400V 50Hz for three-phase motors up to 4kW and 400/690V 50Hz, for higher powers.
- Motor with flange (B5) and airtight shaft.
- Double suction flange.
- Available in the following guidelines (to be indicated in case of order): LG and RD.
- Maximum continuous working temperature: transported air 130°C, ambient 60°C.

APPLICATIONS

- Suitable for moving clean or dusty air.
- Designed to be installed in the suction or discharge duct.
- Paint booths.
- Dust collection.
- Dryers of the food industry.
- Food processing.
- Incineration.
- Odour control in industry.
- Indoor / outdoor pollution control.
- Big buildings.
- Malls.
- Factories / Industrial warehouses.
- Warehouses.
- Smoke extraction.
- Boilers and ovens.
- Filtering technology.
- Manufacture and treatment of chemical products.
- Tunnels.
- Underground stations.

UNDER REQUEST

- Fans for 60Hz or special voltages.
- 2 speed motor.
- C4 or C5 coating painting.
- Hot dip galvanized.
- Inox 304 (normal or electro polished finish).
- Inox 316 (normal or electro polished finish).
- Cooling impeller.
- Anticaloric painting.
- Fully welded housing (waterproof).
- Inspection door for easy maintenance and cleaning.
- Drainage systems.
- Airtight axle.
- Other brands of motors.
- With heat slingers.
- Non-sparking air passage and standard motor.

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador centrífugo de media presión con acoplamiento directo.
- Carcasa reforzada fabricada en acero laminado al carbono, protegida contra la corrosión mediante recubrimiento de polvo de resina poliéster de color RAL 5010. Acabado C3.
- Carcasa totalmente engatillada y orientable.
- Turbina autolimpiante y rodete reforzado de álabes hacia atrás (a reacción) de alto rendimiento fabricado en acero laminado al carbono equilibrado dinámicamente para minimizar el ruido y las vibraciones. Pintada de color negro RAL 9005.
- Motor IEC asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento eléctrico clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Motor con brida (B5) y eje estanco.
- Doble brida de aspiración.
- Disponible en las siguientes orientaciones (a indicar en el pedido): LG y RD.
- Temperatura máxima de trabajo en continuo: aire transportado: 130°C, ambiente: 60°C.

APLICACIONES

- Adecuados para mover aire limpio o polvoriento.
- Diseñados para ser fijados en la doble brida de aspiración, con el motor en posición vertical.
- Cabinas de pintura.
- Recogida de polvo.
- Secadores de la industria alimenticia.
- Procesamiento de alimentos.
- Incineración.
- Control de olores en industria.
- Control de polución interior/exterior.
- Grandes edificios.
- Centros comerciales.
- Fábricas / Naves industriales.
- Almacenes.
- Extracción de humos.
- Calderas y hornos.
- Tecnología de filtrado.
- Fabricación y tratamiento de productos químicos.
- Túneles.
- Estaciones subterráneas.

BAJO DEMANDA

- Ventiladores para 60Hz o voltajes especiales.
- Motor 2 velocidades.
- Acabado pintura C4-C5.
- Galvanizado en caliente.
- Inox 304 (acabado normal o electropulido).
- Inox 316 (acabado normal o electropulido).
- Con rodete de refrigeración.
- Pintura anticalórica.
- Carcasa totalmente soldada (estanca).
- Puerta inspección para facilitar el mantenimiento y la limpieza.
- Drenaje.
- Eje estanco.
- Otras marcas de motores y sonda PT.
- Paso de aire antichispas y motor estándar.

ACCESSORIES | ACCESORIOS



INT pg.434
 Safety switch.
 Interruptor de corte.



SFC pg.433
 Frequency speed controller.
 Variador de velocidad
 frecuencial.



RA pg.400
 Inlet protection guard.
 Rejilla aspiración.



AC pg.411
 Connexion flange.
 Brida de conexión.



JE 45 pg.416
 Flexible joint.
 Junta elástica.



RIS pg.399
 Outlet guard.
 Reja de impulsión.



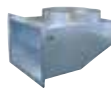
EIS pg.414
 Outlet flange.
 Embocadura impulsión.



BADS pg.422
 Coupling flange.
 Brida antivibratoria circular-
 circular.



BIDS pg.418
 Rectangular-Rectangular anti-
 vibration flange for Storm.
 Brida antivibratoria rectangular-
 rectangular para Storm.



CPS pg.424
 Elbow for STORM fans.
 Codo para ventiladores
 STORM.



AB pg.425
 Acoustic cabins for Casals
 centrifugal fans
 Cabinas acústicas para venti-
 ladores centrífugos Casals



SIL-C pg.426
 Duct circular silencer.
 Silenciador circular con-
 ducto.



BA-400 pg.416
 Anti-vibrating flange 400º/2h.
 flexible.
 Brida antivibratoria 400º/2h.



AVR pg.422
 Anti-vibration rubber block.
 Amortiguador antivibrátil
 de caucho.



AVS pg.423
 Spring anti-vibration blocks.
 Amortiguador de muelles.

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code * | Model | R.P.M. | Rated I (A) 400V | Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € STD | R.R.P. € with CPS |
|-----------|-----------------------|--------|------------------|-------------|---------------|---------------|-----------|--------------|-------------------|
| Código * | Modelo | R.P.M. | I nom. (A) 400V | Potencia kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € STD | P.V.P € con CPS |
| PS311280 | PRESTUR 311 T2 1,1kW | 2800 | 2,33 | 1,1 | 4.710 | 58 | 56 | 1.091,70 | 1.272,70 |
| PS312280 | PRESTUR 312 T2 1,1kW | 2800 | 2,33 | 1,1 | 4.960 | 59 | 58 | 1.097,60 | 1.278,70 |
| PS351290 | PRESTUR 351 T2 2,2kW | 2840 | 4,58 | 2,2 | 6.750 | 62 | 85 | 1.373,10 | 1.576,70 |
| PS352290 | PRESTUR 352 T2 2,2kW | 2840 | 4,58 | 2,2 | 7.100 | 63 | 88 | 1.380,80 | 1.584,40 |
| PS4012100 | PRESTUR 401 T2 3kW | 2880 | 5,92 | 3 | 9.650 | 66 | 108,5 | 1.618,90 | 1.841,50 |
| PS4022112 | PRESTUR 402 T2 4kW | 2880 | 7,63 | 4 | 10.160 | 67 | 116,5 | 1.718,80 | 1.941,30 |
| PS311471 | PRESTUR 311 T4 0,37kW | 1400 | 1,07 | 0,37 | 2.360 | 43 | 46,2 | 1.048,60 | 1.229,60 |
| PS312471 | PRESTUR 312 T4 0,37kW | 1400 | 1,07 | 0,37 | 2.480 | 44 | 48,2 | 1.054,60 | 1.235,60 |
| PS351471 | PRESTUR 351 T4 0,37kW | 1400 | 1,07 | 0,37 | 3.370 | 47 | 66,2 | 1.143,80 | 1.347,40 |
| PS352471 | PRESTUR 352 T4 0,37kW | 1400 | 1,07 | 0,37 | 3.550 | 48 | 69,2 | 1.150,80 | 1.354,40 |
| PS401480 | PRESTUR 401 T4 0,55kW | 1400 | 1,49 | 0,55 | 4.830 | 51 | 79 | 1.328,70 | 1.551,20 |
| PS402480 | PRESTUR 402 T4 0,55kW | 1400 | 1,49 | 0,55 | 5.080 | 51 | 82 | 1.336,90 | 1.559,40 |
| PS451480 | PRESTUR 451 T4 0,75kW | 1410 | 1,63 | 0,75 | 6.870 | 54 | 95 | 1.465,80 | 1.707,10 |
| PS452490 | PRESTUR 452 T4 1,1kW | 1450 | 2,49 | 1,1 | 7.230 | 55 | 106 | 1.512,40 | 1.753,70 |
| PS501490 | PRESTUR 501 T4 1,5kW | 1440 | 3,26 | 1,5 | 9.420 | 57 | 122 | 1.786,40 | 2.050,50 |
| PS502490 | PRESTUR 502 T4 1,5kW | 1440 | 3,26 | 1,5 | 9.920 | 58 | 126 | 1.786,40 | 2.050,50 |
| PS5614100 | PRESTUR 561 T4 2,2kW | 1435 | 4,64 | 2,2 | 13.240 | 61 | 154 | 2.089,20 | 2.390,90 |
| PS5624100 | PRESTUR 562 T4 3kW | 1420 | 6,17 | 3 | 13.940 | 62 | 158 | 2.170,70 | 2.472,40 |
| PS6314112 | PRESTUR 631 T4 4kW | 1440 | 8,32 | 4 | 18.850 | 65 | 200,8 | 2.685,90 | 3.036,50 |
| PS6324132 | PRESTUR 632 T4 5,5kW | 1460 | 10,5 | 5,5 | 19.850 | 65 | 237 | 2.891,60 | 3.242,30 |
| PS7114132 | PRESTUR 711 T4 7,5kW | 1455 | 14,1 | 7,5 | 26.980 | 68 | 308 | 3.362,30 | 3.754,50 |
| PS7124132 | PRESTUR 712 T4 9,2kW | 1465 | 17,4 | 9,2 | 28.410 | 69 | 330,4 | 3.602,90 | 3.995,10 |
| PS8014160 | PRESTUR 801 T4 15kW | 1465 | 29,8 | 15 | 38.600 | 72 | 430 | 4.505,10 | 4.938,80 |
| PS8024160 | PRESTUR 802 T4 15kW | 1465 | 29,8 | 15 | 40.640 | 73 | 440 | 4.530,70 | 4.964,40 |

* Code without CPS | * Código sin CPS

* This code corresponds to the model | Este código corresponde al modelo LG

PREXTUR

Centrifugal medium pressure fan for paint workshops

Ventilador centrífugo de media presión ideal para cabinas de pintura



| MANUFACTURING FEATURES

- Medium pressure centrifugal fan with direct coupling.
- Reinforced housing made of carbon laminated steel, protected against corrosion by powder coating polyester resin RAL 5010. Finish C3.
- Casing fully latched and adjustable.
- Self-cleaning turbine and reinforced impeller with high-performance backward (reaction) blades made of carbon laminated steel dynamically balanced to minimize noise and vibrations. Graffiti black RAL 9005.
- The size of the centrifugal impeller and casing is larger than a PREXTUR, which increases the performance of the unit.
- Squirrel cage standardized asynchronous IEC motor with IP-55 protection and class F electrical insulation. Standard voltages 230/400V 50Hz for three-phase motors up to 4kW and 400/690V 50Hz, for higher powers.
- Motor with flange (B5) and airtight shaft.
- Double suction flange.
- Available in the following guidelines (to be indicated in case of order): LG and RD.
- Maximum continuous working temperature: transported air 130°C, environment 60°C.

| APPLICATIONS

- Suitable for moving clean or dusty air.
- Designed to be installed in the suction or discharge duct.
- Paint booths.
- Dust collection.
- Dryers of the food industry.
- Food processing.
- Incineration.
- Odour control in industry.
- Indoor / outdoor pollution control.
- Big buildings.
- Malls.
- Factories / Industrial warehouses.
- Warehouses.
- Smoke extraction.
- Boilers and ovens.
- Filtering technology.
- Manufacture and treatment of chemical products.
- Tunnels.
- Underground stations.

| UNDER REQUEST

- Fans for 60Hz or special voltages.
- 2 speed motor.
- C4 or C5 coating painting.
- Hot dip galvanized.
- Inox 304 (normal or electro polished finish).
- Inox 316 (normal or electro polished finish).
- Cooling impeller.
- Anticaloric painting.
- Fully welded housing (waterproof).
- Inspection door for easy maintenance and cleaning.
- Drainage systems.
- Airtight axle.
- Other brands of motors.
- With heat slingers.
- Non-sparking air passage and standard motor.

| CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador centrífugo de media presión con acoplamiento directo.
- Carcasa reforzada fabricada en acero laminado al carbono, protegida contra la corrosión mediante recubrimiento de polvo de resina poliéster de color RAL 5010. Acabado C3.
- Carcasa totalmente engatillada y orientable.
- Turbina autolimpiante y rodete reforzado de álabes hacia atrás (a reacción) de alto rendimiento fabricado en acero laminado al carbono equilibrado dinámicamente para minimizar el ruido y las vibraciones. Pintada de color negro RAL 9005.
- El tamaño de la turbina centrífuga y la caja de viento es de mayores dimensiones que un PREXTUR, con lo que se consigue incrementar las prestaciones de la máquina.
- Motor IEC asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento eléctrico clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Motor con brida (B5) y eje estanco.
- Doble brida de aspiración.
- Disponible en las siguientes orientaciones (a indicar en el pedido): LG y RD.
- Temperatura máxima de trabajo en continuo: aire transportado 130°C, ambiente: 60°C.










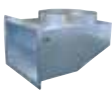





| APLICACIONES

- Adecuados para mover aire limpio o polvoriento.
- Diseñados para ser fijados en la doble brida de aspiración, con el motor en posición vertical.
- Cabinas de pintura.
- Recogida de polvo.
- Secadores de la industria alimenticia.
- Procesamiento de alimentos.
- Incineración.
- Control de olores en industria.
- Control de polución interior/exterior.
- Grandes edificios.
- Centros comerciales.
- Fábricas / Naves industriales.
- Almacenes.
- Extracción de humos.
- Calderas y hornos.
- Tecnología de filtrado.
- Fabricación y tratamiento de productos químicos.
- Túneles.
- Estaciones subterráneas.

| BAJO DEMANDA

- Ventiladores para 60Hz o voltajes especiales.
- Motor 2 velocidades.
- Acabado pintura C4-C5.
- Galvanizado en caliente.
- Inox 304 (acabado normal o electropulido).
- Inox 316 (acabado normal o electropulido).
- Con rodete de refrigeración.
- Pintura anticorrosiva.
- Carcasa totalmente soldada (estanca).
- Puerta inspección para facilitar el mantenimiento y la limpieza.
- Drenaje.
- Eje estanco.
- Otras marcas de motores y sonda PT.
- Paso de aire antichispas y motor estándar.

ACCESSORIES | ACCESORIOS

| | | | | | | | |
|---|--|---|---|---|---|---|---|
|  | INT pg.434 Safety switch. Interruptor de corte. |  | SFC pg.433 Frequency speed controller. Variador de velocidad frecuencial. |  | RA pg.400 Inlet protection guard. Rejilla aspiración. |  | AC pg.411 Connexion flange. Brida de connexion. |
|  | JE 45 pg.416 Flexible joint. Junta elástica. |  | RIS pg.399 Outlet guard. Reja de impulsión. |  | EIS pg.414 Outlet flange. Embocadura impulsión. |  | BADS pg.422 Coupling flange. Brida antivibratoria circular-circular. |
|  | BIDS pg.418 Rectangular-Rectangular anti-vibration flange for Storm. Brida antivibratoria rectangular-rectangular para Storm. |  | CPS pg.424 Elbow for STORM fans. Codo para ventiladores STORM. |  | AB pg.425 Acoustic cabins for Casals centrifugal fans Cabinas acústicas para ventiladores centrífugos Casals |  | SIL-C pg.426 Duct circular silencer. Silenciador circular conducto. |
|  | BA-400 pg.416 Anti-vibrating flange 400º/2h. flexible. Brida antivibratoria 400º/2h. |  | AVR pg.422 Anti-vibration rubber block. Amortiguador antivibrátil de caucho. |  | AVS pg.423 Spring anti-vibration blocks. Amortiguador de muelles. | | |

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code * | Model | R.P.M. | Rated I (A) 400V | Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € STD | R.R.P € with CPS |
|-----------|-----------------------|--------|------------------|-------------|---------------|---------------|-----------|-------------|------------------|
| Código * | Modelo | R.P.M. | I nom. (A) 400V | Potencia kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € STD | P.V.P € con CPS |
| PX313290 | PREXTUR 313 T2 1,5kW | 2865 | 3,14 | 1,5 | 5.240 | 60 | 67,5 | 1.150,90 | 1.339,40 |
| PX314290 | PREXTUR 314 T2 1,5kW | 2865 | 3,14 | 1,5 | 5.500 | 60 | 69,5 | 1.156,80 | 1.345,40 |
| PX353290 | PREXTUR 353 T2 2,2kW | 2840 | 4,58 | 2,2 | 7.500 | 63 | 91 | 1.388,30 | 1.599,60 |
| PX3542100 | PREXTUR 354 T2 3kW | 2880 | 5,92 | 3 | 7.870 | 64 | 107,5 | 1.480,20 | 1.691,40 |
| PX4032112 | PREXTUR 403 T2 4kW | 2880 | 7,63 | 4 | 10.730 | 67 | 119,5 | 1.727,70 | 1.961,60 |
| PX4042132 | PREXTUR 404 T2 5,5kW | 2910 | 10,6 | 5,5 | 11.260 | 67 | 147 | 1.967,90 | 2.201,80 |
| PX313471 | PREXTUR 313 T4 0,37kW | 1400 | 1,07 | 0,37 | 2.620 | 45 | 50,2 | 1.060,60 | 1.249,20 |
| PX314471 | PREXTUR 314 T4 0,37kW | 1400 | 1,07 | 0,37 | 2.750 | 45 | 52,2 | 1.066,60 | 1.255,10 |
| PX353471 | PREXTUR 353 T4 0,37kW | 1400 | 1,07 | 0,37 | 3.750 | 48 | 72,2 | 1.157,70 | 1.368,80 |
| PX354471 | PREXTUR 354 T4 0,37kW | 1400 | 1,07 | 0,37 | 3.940 | 49 | 75,2 | 1.164,60 | 1.375,80 |
| PX403480 | PREXTUR 403 T4 0,55kW | 1400 | 1,49 | 0,55 | 5.370 | 52 | 85 | 1.345,20 | 1.579,10 |
| PX404480 | PREXTUR 404 T4 0,55kW | 1400 | 1,49 | 0,55 | 5.630 | 52 | 88 | 1.353,30 | 1.587,20 |
| PX453490 | PREXTUR 453 T4 1,1kW | 1450 | 2,49 | 1,1 | 7.640 | 55 | 109 | 1.521,80 | 1.778,30 |
| PX454490 | PREXTUR 454 T4 1,1kW | 1450 | 2,49 | 1,1 | 8.020 | 56 | 112 | 1.531,30 | 1.787,90 |
| PX503490 | PREXTUR 503 T4 1,5kW | 1440 | 3,26 | 1,5 | 10.480 | 59 | 130 | 1.786,40 | 2.065,50 |
| PX5044100 | PREXTUR 504 T4 2,2kW | 1435 | 4,64 | 2,2 | 11.000 | 59 | 146 | 1.873,50 | 2.152,60 |
| PX5634100 | PREXTUR 563 T4 3kW | 1420 | 6,17 | 3 | 14.730 | 62 | 162 | 2.170,70 | 2.498,80 |
| PX5644100 | PREXTUR 564 T4 3kW | 1420 | 6,17 | 3 | 15.460 | 63 | 166 | 2.170,70 | 2.498,80 |
| PX6334132 | PREXTUR 633 T4 5,5kW | 1460 | 10,5 | 5,5 | 20.970 | 66 | 242 | 2.908,30 | 3.278,00 |
| PX6344132 | PREXTUR 634 T4 5,5kW | 1460 | 10,5 | 5,5 | 22.010 | 66 | 247 | 2.925,20 | 3.294,80 |
| PX7134132 | PREXTUR 713 T4 9,2kW | 1465 | 17,4 | 9,2 | 30.010 | 69 | 335,4 | 3.623,00 | 4.037,90 |
| PX7144160 | PREXTUR 714 T4 11kW | 1455 | 21,2 | 11 | 31.500 | 70 | 355 | 3.882,10 | 4.297,00 |

* Code without CPS | * Código sin CPS

* This code corresponds to the model | Este código corresponde al modelo LG

KASTORM

Medium pressure of simple aspiration and direct coupling. Robust, compact and cubic

Media presión de simple aspiración y acoplamiento directo. Robusto, compacto y cúbico



MANUFACTURING FEATURES

- Reinforced cubic housing made of carbon laminated steel, protected against corrosion by powder coating of RAL 5010 polyester resin. C3 finish.
- Self-cleaning turbine and reinforced impeller of high-performance rearward (jet) blades made of dynamically balanced carbon laminated steel to minimize noise and vibrations. Painted black RAL 9005.
- Standardized asynchronous squirrel cage motor with IP-55 protection and class F electrical isolation. Standard voltages 230 / 400V 50Hz for three-phase motors up to 4kW and 400 / 690V 50Hz for higher powers.
- Motor with flange (B5) and waterproof shaft.
- Maximum continuous working temperature: transported air: 130°C, ambient: 60°C.
- Welded Cubic Housing available with the following orientations: LG0, LG90, LG180. RDO, RD90, RD180.

APPLICATIONS

Suitable for moving clean or dusty air. Designed to be fixed on the double suction flange, with the motor in an upright position.

- Paint booths
- Dust Collection
- Food industry dryers
- Food processing
- Incineration
- Odor control in industry
- Indoor / outdoor pollution control
- Big buildings
- Malls
- Factories / Industrial buildings
- Warehouses
- Fume extraction
- Boilers and ovens
- Manufacture and treatment of chemical products
- Tunnels, underground stations

UNDER REQUEST

- Fans for special voltages.
- 2 speed motor.
- 6-pole motor.
- C4-C5 paint finish
- Hot dip galvanized
- Inox 304 (normal or electropolished finish)
- Inox 316 (normal or electropolished finish)
- Refrigeration roll
- Anti-caloric paint
- Fully welded housing (waterproof)
- Inspection door for easy maintenance and cleaning
- Sewer system
- Spark air passage and standard motor
- Other motor brands

CARACTERÍSTICAS CONSTRUCTIVAS

- Carcasa cúbica reforzada fabricada en acero laminado al carbono, protegida contra la corrosión mediante recubrimiento de polvo de resina poliéster de color RAL 5010. Acabado C3.
- Turbina autolimpiante y rodete reforzado de álabes hacia atrás (a reacción) de alto rendimiento fabricado en acero laminado al carbono equilibrado dinámicamente para minimizar el ruido y las vibraciones. Pintada de color negro RAL 9005.
- Motor IEC asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento eléctrico clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Motor con brida (B5) y eje estanco.
- Temperatura máxima de trabajo en continuo: aire transportado: 130°C, ambiente: 60°C.
- Carcasa Cúbica soldada disponible con las siguientes orientaciones: LG0, LG90, LG180. RDO, RD90, RD180.

APLICACIONES

Adecuados para mover aire limpio o polvoriento. Diseñados para ser fijados en la doble brida de aspiración, con el motor en posición vertical.

- Cabinas de pintura
- Recogida de polvo
- Secadores de la industria alimenticia
- Procesamiento de alimentos
- Incineración
- Control de olores en industria
- Control de polución interior/exterior
- Grandes edificios
- Centros comerciales
- Fábricas / Naves industriales
- Almacenes
- Extracción de humos
- Calderas y hornos
- Fabricación y tratamiento de productos químicos.
- Túneles, estaciones subterráneas.

BAJO DEMANDA

- Ventiladores para voltajes especiales.
- Motor 2 velocidades.
- Motor 6 Polos.
- Acabado pintura C4-C5
- Galvanizado en caliente
- Inox 304 (acabado normal o electropulido)
- Inox 316 (acabado normal o electropulido)
- Rodete de refrigeración
- Pintura anticorrosiva
- Carcasa totalmente soldada (estanca)
- Puerta inspección para facilitar el mantenimiento y la limpieza
- Drenaje
- Paso de aire antichispas y motor estándar
- Otras marcas de motores

ACCESSORIES | ACCESORIOS



INT pg.434
 Safety switch.
 Interruptor de corte.



SFC pg.433
 Frequency speed controller.
 Variador de velocidad fre-
 cuencial.



RA pg.400
 Inlet protection guard.
 Rejilla aspiración.



AC pg.411
 Connexion flange.
 Brida de conexión.



JE 45 pg.416
 Flexible joint.
 Junta elástica.



BAD pg.416
 Circular-Circular coupling flange.
 Brida de acoplamiento circular-
 circular.



EI pg.412
 Outlet flange.
 Embocadura impulsión.



BADS pg.422
 Coupling flange.
 Brida antivibratoria circular-
 circular.



RIS pg.399
 Outlet guard.
 Reja de impulsión.



BIDS pg.418
 Rectangular-Rectangular anti-
 vibration flange for Storm.
 Brida antivibratoria rectangular-
 rectangular para Storm.



SIL-C pg.426
 Duct circular silencer.
 Silenciador circular conducto.



AB pg.425
 Acoustic cabins for Casals centrifugal
 fans
 Cabinas acústicas para ventilado-
 res centrifugos Casals

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code * | Model | Rated R.P.M. | Rated I (A) 400V | Rat.. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|-------------|-----------------------|--------------|------------------|----------------|---------------|---------------|-----------|----------|
| Código * | Modelo | R.P.M. | I nom. (A) 400V | Potencia kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| PSCU312280 | KASTORM 312 T2 1,1kW | 2800 | 2,33 | 1,1 | 4.960 | 59 | 51 | 1.456,50 |
| PXCU314290 | KASTORM 314 T2 1,5kW | 2865 | 3,14 | 1,5 | 5.500 | 60 | 54 | 1.518,40 |
| PSCU352290 | KASTORM 352 T2 2,2kW | 2840 | 4,58 | 2,2 | 7.100 | 63 | 65 | 1.603,60 |
| PXCU3542100 | KASTORM 354 T2 3kW | 2880 | 5,92 | 3 | 7.870 | 64 | 69 | 1.719,70 |
| PSCU4022112 | KASTORM 402 T2 4kW | 2880 | 7,63 | 4 | 10.160 | 67 | 87 | 1.976,10 |
| PXCU4042132 | KASTORM 404 T2 5,5kW | 2910 | 10,6 | 5,5 | 11.260 | 67 | 99 | 2.168,70 |
| PSCU312471 | KASTORM 312 T4 0,37kW | 1370 | 1,07 | 0,37 | 2.480 | 44 | 50 | 1.445,70 |
| PXCU314471 | KASTORM 314 T4 0,37kW | 1370 | 1,07 | 0,37 | 2.750 | 45 | 51 | 1.472,00 |
| PSCU352471 | KASTORM 352 T4 0,37kW | 1370 | 1,07 | 0,37 | 3.550 | 48 | 62 | 1.491,50 |
| PXCU354471 | KASTORM 354 T4 0,37kW | 1370 | 1,07 | 0,37 | 3.940 | 49 | 64 | 1.518,20 |
| PSCU402480 | KASTORM 402 T4 0,55kW | 1440 | 1,49 | 0,55 | 5.080 | 51 | 79 | 1.694,10 |
| PXCU404480 | KASTORM 404 T4 0,55kW | 1440 | 1,49 | 0,55 | 5.630 | 52 | 81 | 1.711,10 |
| PSCU452490 | KASTORM 452 T4 1,1kW | 1450 | 2,49 | 1,1 | 7.230 | 55 | 103 | 1.874,00 |
| PXCU454490 | KASTORM 454 T4 1,1kW | 1450 | 2,49 | 1,1 | 8.020 | 56 | 106 | 1.892,80 |
| PSCU502490 | KASTORM 502 T4 1,5kW | 1450 | 3,26 | 1,5 | 9.920 | 58 | 125 | 2.138,10 |
| PXCU5044100 | KASTORM 504 T4 2,2kW | 1435 | 4,64 | 2,2 | 11.000 | 59 | 131 | 2.228,00 |
| PSCU5624100 | KASTORM 562 T4 3kW | 1420 | 6,17 | 3 | 13.940 | 62 | 155 | 2.428,50 |
| PXCU5644100 | KASTORM 564 T4 3kW | 1420 | 6,17 | 3 | 15.460 | 63 | 160 | 2.452,80 |
| PSCU6324132 | KASTORM 632 T4 5,5kW | 1460 | 10,5 | 5,5 | 19.850 | 65 | 202 | 3.035,40 |
| PXCU6344132 | KASTORM 634 T4 5,5kW | 1460 | 10,5 | 5,5 | 22.010 | 66 | 210 | 3.052,40 |
| PSCU7124132 | KASTORM 712 T4 9,2kW | 1465 | 17,4 | 9,2 | 28.410 | 69 | 254 | 3.949,20 |
| PXCU7144160 | KASTORM 714 T4 11kW | 1455 | 21,2 | 11 | 31.500 | 70 | 282 | 4.121,80 |
| PSCU8024160 | KASTORM 802 T4 15kW | 1465 | 29,8 | 15 | 40.640 | 73 | 339 | 4.826,30 |

CIKSTORM

Reaction centrifugal fan plug for industrial applications

Plug fan centrífugo a reacción para aplicaciones industriales



MANUFACTURING FEATURES

- Centrifugal fan of medium pressure direct coupling type plug fan.
- Insulated drawer made of carbon laminated steel, protected against corrosion by coating C3 finished paint.
- Self-cleaning turbine and reinforced impeller of high-performance rearward (jet) blades made of dynamically balanced carbon laminated steel to minimize noise and vibrations. C3 black paint.
- IE3 motor for continuous operation (S1). Standardized asynchronous squirrel cage motor with IP-55 protection and class F electrical isolation. Standard voltages 230/400V 50Hz for three-phase motors up to 4kW and 400/690V 50Hz for higher powers.
- Motor with flange (B5) and waterproof shaft.
- Maximum continuous working temperature: ambient (motor): 60°C.
- Suitable for transferring gases from -40°C to 120°C continuously.

APPLICATIONS

Plug fan installation for gas recirculation in:

- Integrated in Machinery
- Paint booths
- Dryers of tobacco leaves, barley, ceramics, glass, wood
- Odor control in industry
- Indoor / outdoor pollution control
- Clean air drive and renewal
- Big buildings
- Malls
- Factories / Industrial buildings
- Warehouses
- Manufacture and treatment of chemical products.

UNDER REQUEST

- Fans for special voltages
- Refrigeration roll
- 2 speed motor
- C5 corrosion protection
- Anti-caloric paint
- Inox 304
- Inox 316
- Spark construction
- Other construction sizes
- Other motors according to customer requirements

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador centrífugo de media presión de acoplamiento directo tipo plug fan.
- Cajón aislado fabricado en acero laminado al carbono, protegida contra la corrosión mediante recubrimiento de pintura acabado C3.
- Turbina autolimpiante y rodete reforzado de álabes hacia atrás (a reacción) de alto rendimiento fabricado en acero laminado al carbono equilibrado dinámicamente para minimizar el ruido y las vibraciones. Pintura C3 de color negro.
- Motor IE3 para funcionamiento en continuo (S1). Motor IEC asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento eléctrico clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Motor con brida (B5) y eje estanco.
- Temperatura máxima de trabajo en continuo: ambiente (motor): 60°C.
- Apto para trasegar gases desde -40°C hasta 120°C en continuo.

APLICACIONES

Instalación tipo plug fan para la recirculación de gases en:

- Integrado en Maquinaria
- Cabinas de pintura
- Secaderos de hojas de tabaco, cebada, cerámica, vidrio, madera
- Control de olores en industria
- Control de polución interior/externo
- Impulsión y renovación de aire limpio
- Grandes edificios
- Centros comerciales
- Fábricas / Naves industriales
- Almacenes
- Fabricación y tratamiento de productos químicos.

BAJO DEMANDA

- Ventiladores para voltajes especiales
- Rodete de refrigeración
- Motor 2 velocidades
- Protección contra la corrosión C5
- Pintura anticorrosiva
- Inox 304
- Inox 316
- Construcción antichispas
- Otros tamaños constructivos
- Otras motorizaciones según requerimientos del cliente

ACCESSORIES | ACCESORIOS



INT pg.434

Safety switch.
Interruptor de corte.



SFC pg.433

Frequency speed controller.
Variador de velocidad
frecuencial.



CLBC pg.425

Inlet for PLUG FAN in cabinet.
Boca de aspiración para PLUG
FAN en cabina



CLBI pg.420

Inlet for PLUG FAN in cabinet.
Boca de aspiración para PLUG
FAN en cabina

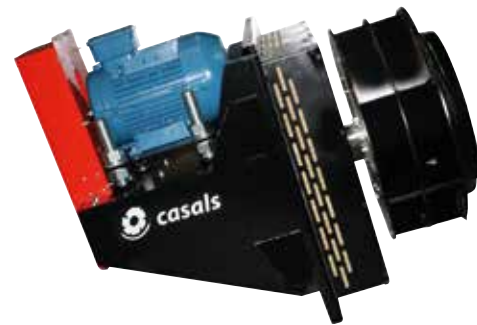
THREE PHASE RANGE | SERIE TRIFÁSICA

| Code * | Model | Rated R.P.M. | Rated I (A) 400V | Rat.. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-------------|------------------------|--------------|------------------|----------------|---------------|---------------|-----------|----------|
| Código * | Modelo | R.P.M. | I nom. (A) 400V | Potencia kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € |
| PF4524905LG | CIKSTORM 452 T4 1,1kW | 1450 | 2,49 | 1,1 | 7.290 | 55 | 99 | 1.634,50 |
| PF4544905LG | CIKSTORM 454 T4 1,1kW | 1450 | 2,49 | 1,1 | 8.750 | 56 | 101 | 1.648,00 |
| PF5024125LG | CIKSTORM 502 T4 2,2kW | 1435 | 4,64 | 2,2 | 10.010 | 58 | 105 | 1.976,70 |
| PF5044125LG | CIKSTORM 504 T4 2,2kW | 1435 | 4,64 | 2,2 | 12.010 | 59 | 108 | 1.992,60 |
| PF5624105LG | CIKSTORM 562 T4 3kW | 1420 | 6,17 | 3 | 14.050 | 62 | 139 | 2.207,60 |
| PF5644105LG | CIKSTORM 564 T4 3kW | 1420 | 6,17 | 3 | 16.850 | 63 | 142 | 2.226,30 |
| PF6324135LG | CIKSTORM 632 T4 5,5kW | 1460 | 10,5 | 5,5 | 20.390 | 65 | 154 | 2.546,20 |
| PF6344135LG | CIKSTORM 634 T4 5,5kW | 1460 | 10,5 | 5,5 | 24.460 | 66 | 158 | 2.585,90 |
| PF7124165LG | CIKSTORM 712 T4 11kW | 1455 | 21,2 | 11 | 29.260 | 69 | 239 | 3.615,70 |
| PF7144165LG | CIKSTORM 714 T4 11kW | 1455 | 21,2 | 11 | 35.110 | 70 | 244 | 3.641,80 |
| PF8024185LG | CIKSTORM 802 T4 18,5kW | 1470 | 35,6 | 18,5 | 41.830 | 73 | 265 | 4.488,90 |
| PF8044185LG | CIKSTORM 804 T4 18,5kW | 1470 | 35,6 | 18,5 | 50.190 | 73 | 271 | 4.518,80 |
| PF5026105LG | CIKSTORM 502 T6 1,5kW | 940 | 3,71 | 1,5 | 6.490 | 49 | 105 | 1.982,60 |
| PF5046105LG | CIKSTORM 504 T6 1,5kW | 940 | 3,71 | 1,5 | 7.780 | 50 | 108 | 1.998,50 |
| PF5626105LG | CIKSTORM 562 T6 1,5kW | 940 | 3,71 | 1,5 | 9.100 | 53 | 139 | 2.132,90 |
| PF5646105LG | CIKSTORM 564 T6 1,5kW | 940 | 3,71 | 1,5 | 10.920 | 54 | 142 | 2.151,60 |
| PF6326115LG | CIKSTORM 632 T6 2,2kW | 965 | 5,94 | 2,2 | 13.210 | 57 | 148 | 2.483,90 |
| PF6346115LG | CIKSTORM 634 T6 2,2kW | 965 | 5,94 | 2,2 | 15.850 | 57 | 151 | 2.523,60 |
| PF7126135LG | CIKSTORM 712 T6 3kW | 960 | 7,3 | 3 | 18.960 | 60 | 225 | 2.957,60 |
| PF7146135LG | CIKSTORM 714 T6 3kW | 960 | 7,3 | 3 | 22.750 | 61 | 230 | 2.983,60 |
| PF8026135LG | CIKSTORM 802 T6 5,5kW | 960 | 12,8 | 5,5 | 27.100 | 64 | 239 | 3.477,00 |
| PF8046135LG | CIKSTORM 804 T6 5,5kW | 960 | 12,8 | 5,5 | 32.520 | 65 | 244 | 3.506,90 |

CLIBOS-TR

Backward centrifugal fan for high temperature

Centrífugo a reacción para altas temperaturas



CLIBOS NEW

Plug centrifugal jet fan for hot gas recirculation

Plug fan centrífugo a reacción para la recirculación de gases calientes



CLIBOS

Plug centrifugal jet fan for hot gas recirculation

Plug fan centrífugo a reacción para la recirculación de gases calientes



| MANUFACTURING FEATURES

- Direct driven centrifugal medium pressure fan, type plug fan.
- Insulated casing made of carbon laminated steel, protected against corrosion by powder epoxy coat. Finish C3.
- Thermal insulation with high density rock wool, 90Kg/m³, thickness 100mm, 150mm and 200 mm.
- Self-cleaning and reinforced impeller with high performance backward (reaction) blades made of carbon laminated steel dynamically balanced to minimize noise and vibrations. Black colour painting. Finish C3
- IE3 motor for continuous operation (S1) Squirrel cage standardized asynchronous IEC motor with IP-55 protection and Class F electrical insulation. Standard voltages 230/400V 50Hz for three phase motors Up to 4kW and 400/690V 50Hz for higher powers.
- Motor with flange (B5) and airtight axle
- Maximum continuous working temperature ambient (motor): 60°C.
- Suitable for transferring gases from -40°C to 250°C in continuous. Under request in black heat-resistant paint coating (C4) suitable for Gases up to 350°C.

| APPLICATIONS

Plug-type installation made for the recirculation of gases in:

- Ovens
- Boilers
- Paint booths
- Drying of tobacco, barley, ceramic, glass and wood leaves
- Insulated thermal cameras subjected to temperature control
- Burners and incinerators
- Melting furnaces

| UNDER REQUEST

- Fans for 60Hz or special voltages
- 2 Speed motor
- Manufacturing in special steels for work up to 350°C in continuous
- Other Insulation thicknesses
- Protection against corrosion C5
- Inox 304
- Inox 316
- Sparking proof construction
- Other sizes
- Other motors according to customer requirements

| CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador centrífugo de media presión de acoplamiento directo tipo plug fan.
- Cajón aislado fabricado en acero laminado al carbono, protegida contra la corrosión mediante recubrimiento de pintura acabado C3.
- Aislamiento térmico con lana de roca de alta densidad, 90Kg/m³, espesor 100mm, 150mm y 200mm.
- Turbina autolimpiante y rodete reforzado de álabes hacia atrás (a reacción) de alto rendimiento fabricado en acero laminado al carbono equilibrado dinámicamente para minimizar el ruido y las vibraciones. Pintura C3 de color negro.
- Motor IE3 para funcionamiento en continuo (S1). Motor IEC asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento eléctrico clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Motor con brida (B5) y eje estanco.
- Rodete de refrigeración integrado.
- Temperatura máxima de trabajo en continuo: ambiente (motor): 60°C.
- Apto para trasegar gases desde -40°C hasta 250°C en continuo. Bajo demanda con pintura anticorrosiva C4 permitiría trasegar gases hasta 350°C.

| APLICACIONES

Instalación tipo plug fan para la recirculación de gases en:

- Hornos
- Calderas
- Cabinas de pintura
- Secaderos de hojas de tabaco, cebada, cerámica, vidrio, madera
- Cámaras térmicas aisladas sometidas a un control de temperatura
- Quemadores e incineradoras
- Hornos de fusión

| BAJO DEMANDA

- Ventiladores para 60Hz o voltajes especiales.
- Motor 2 velocidades
- Fabricación en aceros especiales para trabajo hasta 350°C en continuo
- Otros espesores de aislamiento
- Protección contra la corrosión C5
- Inox 304
- Inox 316
- Construcción antichispas
- Otros tamaños constructivos
- Otras motorizaciones según requerimientos del cliente

ACCESSORIES | ACCESORIOS



INT pg.434
 Safety switch.
 Interruptor de corte.



SFC pg.433
 Frequency speed controller.
 Variador de velocidad
 frecuencial.



CLBC pg.425
 Inlet for PLUG FAN in cabinet.
 Boca de aspiración para PLUG
 FAN en cabina



CLBI pg.420
 Inlet for PLUG FAN in cabinet.
 Boca de aspiración para PLUG
 FAN en cabina

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code * | Model | Rated R.P.M. | Rated I (A) 400V | Rat.. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|----------------|----------------------|--------------|------------------|----------------|---------------|---------------|-----------|-----------------|
| Código * | Modelo | R.P.M. | I nom. (A) 400V | Potencia kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € |
| CD4524905LGRR1 | CLIBOS 452 T4 1,1kW | 1450 | 2,49 | 1,1 | 7.290 | 55 | 117 | 2.009,10 |
| CD4544905LGRR1 | CLIBOS 454 T4 1,1kW | 1450 | 2,49 | 1,1 | 8.750 | 56 | 119 | 2.022,50 |
| CD5024125LGRR1 | CLIBOS 502 T4 2,2kW | 1435 | 4,64 | 2,2 | 10.010 | 58 | 125 | 2.316,10 |
| CD5044125LGRR1 | CLIBOS 504 T4 2,2kW | 1435 | 4,64 | 2,2 | 12.010 | 59 | 128 | 2.331,90 |
| CD5624105LGRR1 | CLIBOS 562 T4 3kW | 1420 | 6,17 | 3 | 14.050 | 62 | 161 | 2.577,40 |
| CD5644105LGRR1 | CLIBOS 564 T4 3kW | 1420 | 6,17 | 3 | 16.850 | 63 | 164 | 2.596,10 |
| CD6324135LGRR1 | CLIBOS 632 T4 5,5kW | 1460 | 10,5 | 5,5 | 20.390 | 65 | 179 | 2.872,00 |
| CD6344135LGRR1 | CLIBOS 634 T4 5,5kW | 1460 | 10,5 | 5,5 | 24.460 | 66 | 183 | 2.942,50 |
| CD7124165LGRR1 | CLIBOS 712 T4 11kW | 1455 | 21,2 | 11 | 29.260 | 69 | 267 | 4.166,00 |
| CD7144165LGRR1 | CLIBOS 714 T4 11kW | 1455 | 21,2 | 11 | 35.110 | 70 | 272 | 4.192,10 |
| CD8024185LGRR1 | CLIBOS 802 T4 18,5kW | 1470 | 35,6 | 18,5 | 41.830 | 73 | 297 | 5.065,60 |
| CD8044185LGRR1 | CLIBOS 804 T4 18,5kW | 1470 | 35,6 | 18,5 | 50.190 | 73 | 303 | 5.095,60 |
| CD5026105LGRR1 | CLIBOS 502 T6 1,5kW | 940 | 3,71 | 1,5 | 6.490 | 49 | 125 | 2.322,00 |
| CD5046105LGRR1 | CLIBOS 504 T6 1,5kW | 940 | 3,71 | 1,5 | 7.780 | 50 | 128 | 2.337,80 |
| CD5626105LGRR1 | CLIBOS 562 T6 1,5kW | 940 | 3,71 | 1,5 | 9.100 | 53 | 161 | 2.502,70 |
| CD5646105LGRR1 | CLIBOS 564 T6 1,5kW | 940 | 3,71 | 1,5 | 10.920 | 54 | 164 | 2.521,40 |
| CD6326115LGRR1 | CLIBOS 632 T6 2,2kW | 965 | 5,94 | 2,2 | 13.210 | 57 | 173 | 2.809,70 |
| CD6346115LGRR1 | CLIBOS 634 T6 2,2kW | 965 | 5,94 | 2,2 | 15.850 | 57 | 176 | 2.880,20 |
| CD7126135LGRR1 | CLIBOS 712 T6 3kW | 960 | 7,3 | 3 | 18.960 | 60 | 253 | 3.507,90 |
| CD7146135LGRR1 | CLIBOS 714 T6 3kW | 960 | 7,3 | 3 | 22.750 | 61 | 258 | 3.533,90 |
| CD8026135LGRR1 | CLIBOS 802 T6 5,5kW | 960 | 12,8 | 5,5 | 27.100 | 64 | 271 | 4.053,70 |
| CD8046135LGRR1 | CLIBOS 804 T6 5,5kW | 960 | 12,8 | 5,5 | 32.520 | 65 | 276 | 4.083,70 |

BEFORE
 ANTES

NEW

AFTER
 DESPUÉS

#boxbdplus #newfasteningsystem #nuevosistemasdefijación

MA 18-25

Aluminium impeller, steel sheet casing

Turbina de aluminio, carcasa en chapa de acero



MANUFACTURING FEATURES

- Rolling steel sheet housing.
- Cast aluminium impeller.
- Polyester finishing coat.
- Standard asynchronous squirrel-cage motor with IP-55 protection and Class F insulation. Manufactured with standard voltages: 230V 50Hz in single phase motors and 230/400V 50Hz in three phase motors.
- Standard asynchronous squirrel-cage motor with IP-55 protection and Class F insulation. Manufactured with standard voltages: 230V 50Hz in single phase motors and 230/400V 50Hz in three phase motors.
- Default assembly orientation is LG270.

APPLICATIONS

- Designed for inline installation, they are suitable for:
- Industrial applications, air extraction or injection.
 - Cooling of machines and parts.
 - Clean and slightly dusty air transport.
 - Maximum working temperature: carried air 130°C; environment: 60°C for three phase motors and 50°C for single phase motors.

UNDER REQUEST

- Special voltages.
- Orientations: LG 0, LG 90, LG 180.

CARACTERÍSTICAS CONSTRUCTIVAS

- Carcasa fabricada en chapa de acero laminado.
- Turbina fabricada en inyección de aluminio.
- Protegidos contra la corrosión mediante recubrimiento en polvo de resina poliéster.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230V 50Hz para motores monofásicos, 230/400V 50Hz para motores trifásicos.
- Orientación estándar LG270.

APLICACIONES

- Diseñados para instalación en conducto, son indicados para:
- Procesos industriales, extracción o inyección localizada.
 - Refrigeración de máquinas, enfriamiento de piezas.
 - Transporte de aire limpio o ligeramente polvoriento.
 - Temperatura máxima de trabajo en continuo: aire transportado 130°C, ambiente: 60°C para modelos trifásicos, 50°C para monofásicos.

BAJO DEMANDA

- Ventiladores para voltajes especiales.
- Orientaciones: LG 0, LG 90, LG 180.

ACCESSORIES | ACCESORIOS



INT pg.434
Safety switch.
Interruptor de corte.



SFC pg.433
Frequency speed controller.
Variador de velocidad frecuencial.



RA pg.400
Inlet protection guard.
Rejilla aspiración.



AC pg.411
Connexion flange.
Brida de conexión.



JE 45 pg.416
Flexible joint.
Junta elástica.



SIL-C pg.426
Duct circular silencer.
Silenciador circular conducto.



RBS pg.400
Outlet protection guard.
Rejilla boca de salida.



AVS pg.423
Spring anti-vibration blocks.
Amortiguador de muelles.



BA-400 pg.416
Anti-vibrating flange 400°/2h. flexible.
Brida antivibratoria 400°/2h.



AB pg.425
Acoustic cabins for Casals centrifugal fans.
Cabinas acústicas para ventiladores centrífugos Casals



AVR pg.422
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.

SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | R.P.M. | Rated I (A) 230V | Rat.. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|-----------------|--------|------------------|----------------|---------------|---------------|-----------|----------|
| Código | Modelo | R.P.M. | I nom. (A) 230V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € |
| 253180162 | MA 18 M2 0,09kW | 2800 | 0,75 | 0,09 | 180 | 53 | 6 | 334,10 |
| 253220162 | MA 24 M2 0,09kW | 2800 | 0,75 | 0,09 | 260 | 57 | 7 | 378,50 |
| 253270162 | MA 25 M2 0,18kW | 2800 | 1,42 | 0,18 | 480 | 59 | 11 | 446,30 |

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | Rated. R.P.M. | Rated I (A) | | Rat.. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|-----------------|---------------|-------------|------|----------------|---------------|---------------|-----------|----------|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I máx. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € |
| | | | 230V | 400V | | | | | |
| 253180161 | MA 18 T2 0,09kW | 2800 | 0,55 | 0,32 | 0,1 | 180 | 53 | 6 | 318,20 |
| 253220161 | MA 24 T2 0,09kW | 2800 | 0,55 | 0,32 | 0,1 | 260 | 57 | 7 | 360,60 |
| 253270161 | MA 25 T2 0,18kW | 2800 | 0,87 | 0,51 | 0,18 | 480 | 59 | 11 | 425,00 |

MA 26-31

Aluminium forward impeller, aluminium cast casing

Turbina acción de aluminio, carcasa en fundición de aluminio



MANUFACTURING FEATURES

- Cast aluminium housing.
- Cast aluminium forward blades casing.
- Polyester finishing coat.
- Standard asynchronous squirrel-cage motor with IP-55 protection and Class F insulation. Manufactured with standard voltages: 230V 50Hz in single phase motors and 230/400V 50Hz in three phase motors.
- Default assembly orientation is LG270.

APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, air extraction or injection.
- Cooling of machines and parts.
- Clean and slightly dusty air transport.
- Maximum working temperature: carried air 130°C; environment: 60°C for three phase motors and 50°C for single phase motors.

UNDER REQUEST

- Special voltages.
- Orientations: LG 0, LG 45, LG 90, LG 135, LG 180, LG315.

CARACTERÍSTICAS CONSTRUCTIVAS

- Carcasa fabricada en fundición de aluminio.
- Turbina fabricada en fundición de aluminio.
- Protegidos contra la corrosión mediante recubrimiento en polvo de resina poliéster.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230V 50Hz para motores monofásicos, 230/400V 50Hz para motores trifásicos.
- Orientación estándar LG270.

APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Transporte de aire limpio o ligeramente polvoriento.
- Temperatura máxima de trabajo en continuo: aire transportado 130°C, ambiente: 60°C para motores trifásicos y 50°C para monofásicos.

BAJO DEMANDA

- Ventiladores para voltajes especiales.
- Orientaciones: LG 0, LG 45, LG 90, LG 135, LG 180, LG315.

ACCESSORIES | ACCESORIOS



INT pg.434

Safety switch.
Interrupor de corte.



SFC pg.433

Frecuency speed controller.
Variador de velocidad frecuencial.



RA pg.400

Inlet protection guard.
Rejilla aspiración.



AC pg.411

Connexion flange.
Brida de connexion.



JE 45 pg.416

Flexible joint.
Junta elástica.



SIL-C pg.426

Duct circular silencer.
Silenciador circular conducto.



AB pg.425

Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrifugos Casals



AVS pg.423

Spring anti-vibration blocks.
Amortiguador de muelles.



AVR pg.422

Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.

SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | Rated R.P.M. | Rated I (A) 230V | Rat.. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|-----------------|--------------|------------------|----------------|---------------|---------------|-----------|----------|
| Código | Modelo | R.P.M. | I nom. (A) 230V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € |
| 253300104 | MA 26 M2 0,37kW | 2800 | 2,61 | 0,37 | 750 | 64 | 13 | 497,60 |

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | Rated. R.P.M. | Rated I (A) | | Rat.. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|-----------------|---------------|-------------|------|----------------|---------------|---------------|-----------|----------|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I máx. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € |
| | | | 230V | 400V | | | | | |
| 253300106 | MA 26 T2 0,37kW | 2800 | 1,58 | 0,91 | 0,37 | 750 | 64 | 13 | 472,70 |
| 253330106 | MA 27 T2 0,55kW | 2800 | 2,23 | 1,29 | 0,55 | 860 | 66 | 14 | 584,90 |
| 253390106 | MA 28 T2 1,1kW | 2800 | 4,05 | 2,33 | 1,1 | 1.450 | 69 | 20 | 750,10 |
| 253430106 | MA 31 T2 2,2kW | 2800 | 7,97 | 4,58 | 2,2 | 2.170 | 72 | 30 | 996,20 |

MB

Medium pressure fans with forward impeller
Centrífugos de media presión a acción



MB 14/5 - 20/8



MB 22/9 - 28/11



MB 31/12 - 45/18

MANUFACTURING FEATURES

- Rolling steel sheet housing.
- Completely joined or welded housing.
- Galvanised steel sheet and single inlet forward curved impeller.
- Polyester finishing coat.
- Standard asynchronous squirrel-cage motor with IP-55 protection and Class F insulation. Manufactured with standard voltages: 230V 50Hz in single phase motors and 230/400V 50Hz in three phase motors up to 4kW and 400/690V 50Hz for higher power.
- Default assembly orientation is LG270.

APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, air extraction or injection.
- Cooling of machines and parts.
- Clean air transport.
- Maximum working temperature: carried air 130°C; environment single phase 50°C, three phase 60°C.

UNDER REQUEST

- Special voltages.
- 2 speed motors.
- Fan prepared for air transportation up to 250°C (depending on model).
- MB 14/5-20/8: add 105€ to RRP.
- MB 22/9-28/11: add 115€ to RRP.
- MB 31/12-45/18: add 125€ to RRP.
- With cooling impeller.
- Orientations: LG 0, LG 45, LG 90, LG 135, LG 180, LG 225, LG 315, RD 0, RD 45, RD 90, RD 135, RD 180, RD 225, RD 270, RD 315.
- Option with support for models where it is not included, and without support for models where it is included.

CARACTERÍSTICAS CONSTRUCTIVAS

- Carcasa fabricada en chapa de acero laminado.
- Carcasa totalmente soldada o engatillada.
- Turbina multipala de álabes curvados hacia adelante de simple aspiración fabricada en chapa galvanizada.
- Protegidos contra la corrosión mediante recubrimiento en polvo de resina poliéster.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230V 50Hz para motores monofásicos, 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Orientación estándar LG270.

APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Transporte de aire limpio.
- Temperatura máxima de trabajo en continuo: aire transportado 130°C, ambiente: monofásico 50°C, trifásico 60°C.

BAJO DEMANDA

- Ventiladores para trabajar a voltajes especiales.
- Motor 2 velocidades.
- Ventilador preparado para aire hasta 250°C (según modelo).
- MB 14/5-20/8: añadir 105€ al PVP.
- MB 22/9-28/11: añadir 115€ al PVP.
- MB 31/12-45/18: añadir 125€ al PVP.
- Con rodete de refrigeración.
- Orientaciones: LG 0, LG 45, LG 90, LG 135, LG 180, LG 225, LG 315, RD 0, RD 45, RD 90, RD 135, RD 180, RD 225, RD 270, RD 315.
- Opción con pie para los modelos que no lo llevan o sin pie para los que sí lo llevan.



ACCESSORIES | ACCESORIOS



INT pg.434
Safety switch.
Interruptor de corte.



SFC pg.433
Frequency speed controller.
Variador de velocidad frecuencial.



RA pg.400
Inlet protection guard.
Rejilla aspiración.



AC pg.411
Connexion flange.
Brida de conexión.



JE 45 pg.416
Flexible joint.
Junta elástica.



SIL-C pg.426
Duct circular silencer.
Silenciador circular conducto.



EI pg.412
Outlet flange.
Embocadura impulsión.



BAD pg.416
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



BA-400 pg.416
Anti-vibrating flange 400º/2h. flexible.
Brida antivibratoria 400º/2h.



RBS pg.400
Outlet protection guard.
Rejilla boca de salida.



FS pg.409
Front support for medium and high pressure fans
Pie soporte delantero para ventiladores de media y alta presión



AB pg.425
Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores Casals



AVR pg.422
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



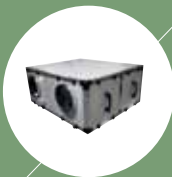
AVS pg.423
Spring anti-vibration blocks.
Amortiguador de muelles.

SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | R.P.M. | Rated I (A) 230V | Rat.. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|-------------------|--------|------------------|----------------|---------------|---------------|-----------|----------|
| Código | Modelo | R.P.M. | I nom. (A) 230V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € |
| 253100103 | MB 14/5 M2 0,25kW | 2800 | 1,87 | 0,25 | 830 | 58 | 7 | 233,70 |
| 253110103 | MB 16/6 M2 0,37kW | 2800 | 2,61 | 0,37 | 1.340 | 61 | 9,5 | 239,40 |
| 253170103 | MB 18/7 M2 0,75kW | 2800 | 4,93 | 0,75 | 1.940 | 63 | 15 | 434,70 |
| 253240103 | MB 20/6 M2 0,37kW | 2800 | 2,61 | 0,37 | 800 | 61 | 14 | 482,00 |
| 253190103 | MB 20/8 M2 1,1kW | 2820 | 7,45 | 1,1 | 2.240 | 66 | 19 | 501,60 |
| 253080103 | MB 12/5 M4 0,08kW | 1370 | 0,9 | 0,08 | 240 | 47 | 5 | 214,40 |
| 253090103 | MB 14/5 M4 0,08kW | 1370 | 0,9 | 0,08 | 420 | 47 | 6 | 228,50 |
| 253150103 | MB 16/6 M4 0,08kW | 1370 | 0,9 | 0,08 | 710 | 54 | 7,5 | 246,30 |

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | R.P.M. | Rated I (A) | | Rat.. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|--------------------|--------|-------------|------|----------------|---------------|---------------|-----------|----------|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. | I máx. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € |
| | | | 230V | 400V | | | | | |
| 253100106 | MB 14/5 T2 0,25kW | 2800 | 1,12 | 0,65 | 0,25 | 830 | 58 | 7 | 212,50 |
| 253110106 | MB 16/6 T2 0,37kW | 2800 | 1,58 | 0,91 | 0,37 | 1.340 | 61 | 9,5 | 217,70 |
| 253170106 | MB 18/7 T2 0,75kW | 2800 | 2,75 | 1,58 | 0,75 | 1.940 | 63 | 15 | 407,00 |
| 253240106 | MB 20/6 T2 0,37kW | 2800 | 1,58 | 0,91 | 0,37 | 800 | 61 | 14 | 438,30 |
| 253190106 | MB 20/8 T2 1,1kW | 2800 | 4,05 | 2,33 | 1,1 | 2.240 | 66 | 19 | 470,00 |
| 253080106 | MB 12/5 T4 0,08kW | 1400 | 0,035 | 0,2 | 0,08 | 250 | 47 | 5 | 194,90 |
| 253090106 | MB 14/5 T4 0,08kW | 1400 | 0,035 | 0,2 | 0,08 | 420 | 47 | 6 | 211,30 |
| 253150106 | MB 16/6 T4 0,08kW | 1400 | 0,035 | 0,2 | 0,08 | 710 | 54 | 7,5 | 224,00 |
| 253210120 | MB 22/9 T2 1,1kW | 2800 | 4,05 | 2,33 | 1,1 | 1.570 | 55 | 24 | 645,20 |
| 253200106 | MB 22/9 T2 2,2kW | 2800 | 7,97 | 4,58 | 2,2 | 2.750 | 65 | 30 | 676,40 |
| 253280106 | MB 25/10 T2 2,2kW | 2800 | 7,97 | 4,58 | 2,2 | 2.550 | 62 | 32 | 731,00 |
| 253290106 | MB 25/10 T2 3kW | 2870 | 10,3 | 5,92 | 3 | 3.700 | 66 | 38 | 797,60 |
| 253360106 | MB 28/11 T2 4kW | 2890 | 13,3 | 7,63 | 4 | 3.800 | 70 | 46 | 996,00 |
| 253260106 | MB 22/9 T4 0,37kW | 1400 | 1,86 | 1,07 | 0,37 | 1.930 | 59 | 21 | 582,60 |
| 253320106 | MB 25/10 T4 0,75kW | 1390 | 2,83 | 1,63 | 0,75 | 2.530 | 59 | 26 | 786,00 |
| 253410106 | MB 28/11 T4 1,1kW | 1400 | 4,33 | 2,49 | 1,1 | 3.490 | 65 | 32 | 896,10 |
| 253420106 | MB 31/12 T4 2,2kW | 1430 | 8,07 | 4,64 | 2,2 | 6.160 | 63 | 54 | 1.340,60 |
| 253480106 | MB 35/14 T4 3kW | 1430 | 10,7 | 6,17 | 3 | 6.500 | 65 | 63 | 1.423,80 |
| 253490106 | MB 35/14 T4 4kW | 1440 | 14,5 | 8,32 | 4 | 8.290 | 64 | 69 | 1.634,90 |
| 253510121 | MB 40/16 T4 5,5kW | 1440 | - | 10,5 | 5,5 | 9.000 | 68 | 101 | 1.842,10 |
| 253510106 | MB 40/16 T4 7,5kW | 1440 | - | 14,1 | 7,5 | 11.500 | 72 | 110 | 1.914,50 |
| 253530120 | MB 45/18 T4 7,5kW | 1440 | - | 14,1 | 7,5 | 9.500 | 75 | 119 | 2.167,60 |
| 253530121 | MB 45/18 T4 11kW | 1460 | - | 21,2 | 11 | 14.000 | 76 | 190 | 2.254,80 |
| 253500106 | MB 35/14 T6 1,1kW | 910 | 4,83 | 2,78 | 1,1 | 5.170 | 58 | 53 | 1.402,70 |
| 253520106 | MB 40/16 T6 1,5kW | 940 | 6,45 | 3,71 | 1,5 | 7.150 | 59 | 94 | 1.698,10 |
| 253540106 | MB 40/16 T6 2,2kW | 940 | 10,3 | 5,94 | 2,2 | 7.200 | 62 | 100 | 1.806,50 |
| 253560106 | MB 45/18 T6 2,2kW | 940 | 10,3 | 5,94 | 2,2 | 6.800 | 64 | 112 | 1.825,40 |



MDE

Forward impeller, external rotor motor

Turbina acción, motor de rotor exterior



MANUFACTURING FEATURES

- Welded rolled steel sheet housing.
- Laminated steel sheet single inlet forward curved impeller.
- Inlet protection guard included.
- Epoxy powder finishing coat.
- Asynchronous external rotor with IP-44 protection and Class B insulation according to the DIN 40.050 h1 Standard; greased for life ball bearings. Standard voltages: 230V 50Hz.

APPLICATIONS

- Designed for inline installation, they are suitable for:
- Industrial applications, air extraction or injection.
 - Cooling of machines and parts.
 - Clean air transport.
 - Maximum working temperature: 50°C.

CARACTERÍSTICAS CONSTRUCTIVAS

- Carcasa soldada en chapa de acero laminado.
- Turbina multipala de álabes curvados hacia adelante de simple aspiración fabricada en chapa de acero laminado.
- Rejilla protección incluida en el lado de la aspiración.
- Protegidos contra la corrosión mediante recubrimiento en polvo de resina epoxy.
- Motor asíncrono de rotor exterior que incluye protector térmico y rodamientos a bolas de engrase permanente. Protección IP-44 y aislamiento clase B según DIN 40.050 h1. Voltaje estándar 230V 50Hz.

APLICACIONES

- Diseñados para instalación en conducto, son indicados para:
- Procesos industriales, extracción o inyección localizada.
 - Refrigeración de máquinas, enfriamiento de piezas.
 - Transporte de aire limpio.
 - Temperatura máxima de trabajo en continuo: 50°C.

ACCESSORIES | ACCESORIOS

INT pg.434
 Safety switch.
 Interruptor de corte.

REG pg.431
 Speed controller for single phase motor.
 Regulador de velocidad manual monofásico.

REG VMC pg.431
 Single phase voltage regulator with 0-10V input.
 Regulador de voltaje monofásico con entrada 0-10V.

SFC pg.433
 Frequency speed controller.
 Variador de velocidad frecuencial.

AB pg.425
 Acoustic cabins for Casals centrifugal fans
 Cabinas acústicas para ventiladores centrífugos Casals

SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | R.P.M. | Rated I (A) 230V | Rat.. Power kW | Air flow m³/h | Weight Kg | R.R.P. € |
|-----------|---------|--------|------------------|----------------|---------------|-----------|---------------|
| Código | Modelo | R.P.M. | I nom. (A) 230V | P. Nom. kW | Q máx. m³/h | Peso Kg | P.V.P. € |
| 300712100 | MDE 120 | 2930 | 0,4 | 0,065 | 190 | 2,4 | 130,40 |
| 300712200 | MDE 130 | 2890 | 0,5 | 0,12 | 400 | 3 | 144,60 |

ENERGY RECOVERY UNITS
 RECUPERADORES DE ENERGÍA



brochure



folleto

MBCA

Centrifugal fan to move clean air

Ventilador centrífugo para mover aire limpio



| MANUFACTURING FEATURES

- Fan made of Fe360 sheet.
- The fan paint finish is based on a Qualicoat polyester powder coating stoved at 200°C, with an average film thickness of 70 microns. Average heat resistance of coating is 180°C with peaks of 200°C.
- Single inlet forward curved impeller made of Fe360 sheet statically and dynamically balanced.
- Impellers are painted with epoxy primer that resists temperatures up to 300°C.
- Squirrel cage asynchronous standard motor, IP-55 protection and rated class F insulation.
- Standard voltages 230/400V 50Hz for three phase motors up to 4kW, and 400/690V 50Hz for higher powers.
- Standard orientation LG270.
- It allows adjusting the orientation locally.
- Optional front support up to size 500, size 560 and up- per front support is included.

| APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, air extraction or injection.
- Cooling of machines and parts.
- Clean air transport.
- Steam aspiration in places where moving large volumes of air at low pressures.
- Maximum working temperature: carried air 130°C; environment 60°C.

| UNDER REQUEST

- Fans for special voltages.
- 2 speed motor.
- C4 or C5 coating painting.
- Hot dip galvanized.
- Special steel (Cor-Ten A, Hardox...).
- Inox 304 (normal or electropolished finish).
- Inox 316 (normal or electropolished finish).
- Cooling wheel.
- Anticaloric paint.
- Reinforced housing.
- Fully welded housing (waterproof).
- Welded impeller.
- Insulated housing.
- Split casing (for big sizes).
- Inspection door to facilitate maintenance and cleaning.
- Drain plug.
- Airtight shaft.
- Frontal foot.
- Double suction flange.
- Available in non-sparking air passage and standard motor.
- Other brands of motors.
- Orientation: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180, LG225, LG315.

| CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador fabricado en chapa Fe360.
- La pintura de los ventiladores está formulada a base de poliéster en polvo Qualicoat polimerizada a 200°C con un grosor medio de 70 micras. La resistencia térmica media de la pintura es de 180°C con picos de 200°C.
- Turbina multipala de álabes curvados hacia adelante de simple aspiración fabricada en Fe360 equilibrada estática y dinámicamente.
- Las turbinas se pintan con imprimación epoxídica con una resistencia térmica de 300°C.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F.
- Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Orientación estándar LG270.
- Permite variar la orientación en destino.
- Pie delantero opcional hasta tamaño 500, tamaño 560 y superiores pie delantero incluido.

| APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Transporte de aire limpio.
- Aspiración de vapores en lugares donde se desplazan grandes volúmenes de aire con bajas presiones.
- Temperatura máxima de trabajo en continuo: aire transportado 130°C, ambiente: 60°C.

| BAJO DEMANDA

- Ventiladores para voltajes especiales.
- Motor 2 velocidades.
- Acabado pintura C4-C5.
- Galvanizado en caliente.
- Aceros especiales (Corten, Hardox...).
- Inox 304 (acabado normal o electropulido).
- Inox 316 (acabado normal o electropulido).
- Rodete de refrigeración.
- Pintura anticorrosiva.
- Carcasa reforzada.
- Carcasa totalmente soldada (estanca).
- Turbina con palas soldadas.
- Carcasa aislada.
- Carcasa partida (para tamaños grandes).
- Puerta inspección para facilitar el mantenimiento y la limpieza.
- Drenaje.
- Eje estanco.
- Pie frontal.
- Doble anillo aspiración.
- Disponibles con paso de aire antichispas y motor estándar.
- Otras marcas de motores.
- Orientación: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180, LG225, LG315.

ACCESSORIES | ACCESORIOS



INT pg.434

Safety switch.
Interruptor de corte.



SFC pg.433

Frequency speed controller.
Variador de velocidad frecuencial.



RA pg.400

Inlet protection guard.
Rejilla aspiración.



AC pg.411

Connexion flange.
Brida de conexión.



JE 45 pg.416

Flexible joint.
Junta elástica.



SIL-C pg.426

Duct circular silencer.
Silenciador circular conducto.



EI pg.412

Outlet flange.
Embocadura impulsión.



BAD pg.416

Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



BA-400 pg.416

Anti-vibrating flange 400º/2h.
flexible.
Brida antivibratoria
400º/2h.



FS pg.409

Front support for medium and high
pressure fans
Pie soporte delantero para venti-
ladores de media y alta presión



AB pg.425

Acoustic cabins for Casals
centrifugal fans
Cabinas acústicas para venti-
ladores centrifugos Casals



RI pg.398

Outlet guard.
Reja impulsión.



AVR pg.422

Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



AVS pg.423

Spring anti-vibration blocks.
Amortiguador de muelles.

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | Rated. R.P.M. | Rated I (A) | | Rat.. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|--------------------|---------------|-------------|------|----------------|---------------|---------------|-----------|----------|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I máx. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € |
| | | | 230V | 400V | | | | | |
| 501401816 | MBCA 180 T2 0,55kW | 2800 | 2,23 | 1,29 | 0,55 | 1.230 | 48 | 19 | 664,90 |
| 501401818 | MBCA 180 T2 1,1kW | 2800 | 4,05 | 2,33 | 1,1 | 1.800 | 52 | 25 | 681,80 |
| 501402018 | MBCA 200 T2 1,1kW | 2800 | 4,05 | 2,33 | 1,1 | 1.800 | 52 | 27 | 784,00 |
| 501402027 | MBCA 200 T2 2,2kW | 2800 | 7,97 | 4,58 | 2,2 | 2.880 | 57 | 33 | 915,70 |
| 501402219 | MBCA 220 T2 1,5kW | 2800 | 5,46 | 3,14 | 1,5 | 2.160 | 53 | 32 | 878,70 |
| 501402229 | MBCA 220 T2 3kW | 2870 | 10,3 | 5,92 | 3 | 3.960 | 59 | 41 | 1.221,30 |
| 501402529 | MBCA 250 T2 3kW | 2870 | 10,3 | 5,92 | 3 | 3.240 | 56 | 51 | 1.345,50 |
| 501402532 | MBCA 250 T2 4kW | 2890 | 13,3 | 7,63 | - | 4.680 | 60 | 60 | 1.419,40 |
| 501402834 | MBCA 280 T2 5,5kW | 2900 | - | 10,6 | 5,5 | 4.680 | 60 | 82 | 1.716,20 |
| 501402836 | MBCA 280 T2 7,5kW | 2900 | - | 14,1 | 7,5 | 6.120 | 63 | 90 | 1.825,70 |
| 501402240 | MBCA 220 T4 0,18kW | 1400 | 1,07 | 0,62 | 0,18 | 1.230 | 39 | 26 | 767,10 |
| 501402242 | MBCA 220 T4 0,37kW | 1400 | 1,86 | 1,07 | 0,37 | 1.800 | 41 | 28 | 801,80 |
| 501402542 | MBCA 250 T4 0,37kW | 1400 | 1,86 | 1,07 | 0,37 | 1.800 | 44 | 30 | 887,00 |
| 501402543 | MBCA 250 T4 0,55kW | 1400 | 2,57 | 1,49 | 0,55 | 2.520 | 47 | 33 | 904,00 |
| 501402844 | MBCA 280 T4 0,75kW | 1390 | 2,83 | 1,63 | 0,75 | 3.000 | 47 | 40 | 972,20 |
| 501402845 | MBCA 280 T4 1,1kW | 1400 | 4,33 | 2,49 | 1,1 | 3.800 | 51 | 42 | 1.014,70 |
| 501403146 | MBCA 310 T4 1,5kW | 1400 | 5,67 | 3,26 | 1,5 | 4.300 | 52 | 50 | 1.112,40 |
| 501403154 | MBCA 310 T4 2,2kW | 1430 | 8,07 | 4,64 | 2,2 | 5.400 | 56 | 58 | 1.207,70 |
| 501403554 | MBCA 350 T4 2,2kW | 1430 | 8,07 | 4,64 | 2,2 | 5.400 | 53 | 66 | 1.414,50 |
| 501403556 | MBCA 350 T4 3kW | 1430 | 10,7 | 6,17 | 3 | 7.200 | 56 | 66 | 1.499,90 |
| 501403559 | MBCA 350 T4 4kW | 1440 | 14,5 | 8,32 | 4 | 7.920 | 59 | 76 | 1.626,20 |
| 501404061 | MBCA 400 T4 5,5kW | 1440 | - | 10,5 | 5,5 | 7.920 | 58 | 100 | 2.032,10 |
| 501404063 | MBCA 400 T4 7,5kW | 1440 | - | 14,1 | 7,5 | 10.800 | 62 | 108 | 2.196,50 |
| 501404552 | MBCA 450 T4 15kW | 1460 | - | 29,8 | 15 | 18.000 | 66 | 170 | 3.236,50 |
| 501404563 | MBCA 450 T4 7,5kW | 1440 | - | 14,1 | 7,5 | 10.080 | 57 | 112 | 2.447,30 |
| 501405052 | MBCA 500 T4 15kW | 1460 | - | 29,8 | 15 | 16.200 | 61 | 200 | 3.903,60 |
| 501405055 | MBCA 500 T4 22kW | 1470 | - | 40,1 | 22 | 21.600 | 66 | 272 | 4.509,80 |
| 501405655 | MBCA 560 T4 22kW | 1470 | - | 40,1 | 22 | 21.600 | 61 | 313 | 5.130,60 |
| 501405658 | MBCA 560 T4 37kW | 1430 | 10,7 | 6,17 | 37 | 32.400 | 69 | 497 | 6.684,60 |
| 501403170 | MBCA 310 T6 0,37kW | 900 | 2,2 | 1,27 | 0,37 | 2.160 | 42 | 43 | 1.066,40 |
| 501403171 | MBCA 310 T6 0,55kW | 900 | 3 | 1,8 | 0,55 | 3.240 | 45 | 44 | 1.054,80 |
| 501403572 | MBCA 350 T6 0,75kW | 910 | 3,39 | 1,95 | 0,75 | 3.960 | 47 | 56 | 1.286,40 |
| 501403573 | MBCA 350 T6 1,1kW | 910 | 4,83 | 2,78 | 1,1 | 5.400 | 49 | 59 | 1.335,70 |
| 501404074 | MBCA 400 T6 1,5kW | 940 | 6,45 | 3,71 | 1,5 | 5.400 | 48 | 82 | 1.635,10 |
| 501404078 | MBCA 400 T6 2,2kW | 940 | 10,3 | 5,94 | 2,2 | 7.920 | 52 | 90 | 1.774,50 |
| 501404580 | MBCA 450 T6 3kW | 960 | 12,7 | 7,3 | 3 | 9.000 | 52 | 112 | 2.268,70 |
| 501405083 | MBCA 500 T6 4kW | 960 | 16,5 | 9,46 | 4 | 9.000 | 52 | 153 | 2.705,70 |
| 501405085 | MBCA 500 T6 5,5kW | 960 | - | 12,8 | 5,5 | 10.800 | 56 | 153 | 2.875,80 |
| 501405675 | MBCA 560 T6 11kW | 970 | - | 22,6 | 11 | 21.600 | 61 | 233 | 4.024,70 |
| 501405687 | MBCA 560 T6 7,5kW | 965 | - | 15,2 | 7,5 | 16.200 | 56 | 221 | 3.673,70 |
| 501406375 | MBCA 630 T6 11kW | 970 | - | 22,6 | 11 | 19.800 | 56 | 243 | 4.701,70 |
| 501406377 | MBCA 630 T6 18,5kW | 975 | - | 35,7 | 18,5 | 28.800 | 63 | 400 | 5.796,80 |

MBC

Centrifugal fan with forward impeller and cubic casing
Centrífugo con turbina a acción y carcasa cúbica



MANUFACTURING FEATURES

- Reinforced rolling steel sheet, protected against corrosion by powder coating polyester resin.
- Simple inlet forward curved reinforced impeller made of galvanized sheet.
- Standard asynchronous squirrel-cage motor with IP-55 protection and class F insulation. Standard voltages 230V 50Hz in single phase motors, 230/400V 50Hz in three phase motors up to 4kW and 400/690V 50Hz for higher powers.
- Default assembly orientation is LG270.

APPLICATIONS

- Designed for inline installation, they are suitable for:
- Extraction of hot gases in ovens or any application with high temperatures.
 - Clean air transport.
 - Maximum working temperature: carried air up to 250°C; environment: single phase 50°C, three phase 60°C.

UNDER REQUEST

- 2 speed motors.
- Orientations: LG0, LG90, LG180.

CARACTERÍSTICAS CONSTRUCTIVAS

- Carcasa reforzada en acero laminado, protegida contra la corrosión mediante recubrimiento de polvo de resina poliéster.
- Turbina multipala de álabes curvados hacia adelante de simple aspiración fabricada en chapa galvanizada.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230V 50Hz para motores monofásicos, 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Orientación estándar LG270.

APLICACIONES

- Diseñados para instalación en conducto, son indicados para:
- Extracción de gases calientes en hornos o cualquier tipo de aplicación donde haya altas temperaturas.
 - Transporte de aire limpio.
 - Temperatura máxima de trabajo en continuo: aire transportado 250°C, ambiente: monofásico 50°C, trifásico 60°C.

BAJO DEMANDA

- Motor 2 velocidades.
- Orientaciones: LG0, LG90, LG180.

ACCESSORIES | ACCESORIOS

INT pg.434
 Safety switch.
 Interruptor de corte.

SFC pg.433
 Frequency speed controller.
 Variador de velocidad frecuencial.

RA pg.400
 Inlet protection guard.
 Rejilla aspiración.

AC pg.411
 Connexion flange.
 Brida de conexión.

JE 45 pg.416
 Flexible joint.
 Junta elástica.

SIL-C pg.426
 Duct circular silencer.
 Silenciador circular conducto.

EI pg.412
 Outlet flange.
 Embocadura impulsión.

BAD pg.416
 Circular-Circular coupling flange.
 Brida de acoplamiento circular-circular.

BA-400 pg.416
 Anti-vibrating flange 400º/2h. flexible.
 Brida antivibratoria 400º/2h.

AVR pg.422
 Anti-vibration rubber block.
 Amortiguador antivibrátil de caucho.

AVS pg.423
 Spring anti-vibration blocks.
 Amortiguador de muelles.

FS pg.409
 Front support for medium and high pressure fans
 Pie soporte delantero para ventiladores de media y alta presión

RBS pg.400
 Outlet protection guard.
 Rejilla boca de salida.

AB pg.425
 Acoustic cabins for Casals centrifugal fans
 Cabinas acústicas para ventiladores centrífugos Casals

SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | R.P.M. | Rated I (A) 230V | Rat.. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|---------------------|--------|------------------|----------------|---------------|---------------|-----------|----------|
| Código | Modelo | R.P.M. | I nom. (A) 230V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 253310143 | MBC 25/10 M4 1,1kW | 1400 | 7,45 | 1,1 | 2.530 | 61 | 63 | 1.030,80 |
| 253300143 | MBC 25/10 M6 0,55kW | 890 | 3,9 | 0,55 | 1.670 | 57 | 61 | 1.006,30 |
| 253380143 | MBC 28/11 M6 0,75kW | 900 | 4,9 | 0,75 | 2.300 | 58 | 67 | 1.081,20 |

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | Rated R.P.M. | Rated I (A) | | Rat.. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|---------------------|--------------|-------------|------|----------------|---------------|---------------|-----------|----------|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I máx. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 253280146 | MBC 25/10 T2 2,2kW | 2800 | 7,97 | 4,58 | 2,2 | 2.550 | 64 | 65 | 1.423,90 |
| 253290146 | MBC 25/10 T2 3kW | 2870 | 10,3 | 5,92 | 3 | 3.700 | 66 | 66 | 1.683,30 |
| 253360146 | MBC 28/11 T2 4kW | 2890 | 13,3 | 7,63 | 4 | 3.800 | 69 | 66 | 1.267,20 |
| 253310146 | MBC 25/10 T4 1,1kW | 1400 | 4,33 | 2,49 | 1,1 | 2.530 | 61 | 64 | 976,00 |
| 253370146 | MBC 28/11 T4 2,2kW | 1430 | 8,07 | 4,64 | 2,2 | 3.490 | 64 | 70 | 1.170,00 |
| 253460146 | MBC 31/12 T4 3kW | 1430 | 10,7 | 6,17 | 3 | 6.160 | 68 | 72 | 1.612,50 |
| 253480146 | MBC 35/14 T4 3kW | 1430 | 10,7 | 6,17 | 3 | 6.500 | 73 | 75 | 1.546,90 |
| 253490146 | MBC 35/14 T4 5,5kW | 1440 | - | 10,5 | 5,5 | 8.290 | 74 | 78 | 1.812,30 |
| 253510146 | MBC 40/16 T4 5,5kW | 1440 | - | 10,5 | 5,5 | 9.000 | 76 | 87 | 2.040,60 |
| 253520146 | MBC 40/16 T4 7,5kW | 1440 | - | 14,1 | 7,5 | 11.500 | 77 | 89 | 2.299,20 |
| 253530146 | MBC 45/18 T4 5,5kW | 1440 | - | 10,5 | 5,5 | 8.500 | 80 | 91 | 2.233,80 |
| 253540146 | MBC 45/18 T4 7,5kW | 1440 | - | 14,1 | 7,5 | 9.500 | 81 | 93 | 2.492,30 |
| 253300146 | MBC 25/10 T6 0,55kW | 900 | 3 | 1,8 | 0,55 | 1.670 | 57 | 63 | 918,10 |
| 253380146 | MBC 28/11 T6 0,75kW | 910 | 3,39 | 1,95 | 0,75 | 2.300 | 58 | 69 | 1.035,30 |
| 253430146 | MBC 31/12 T6 1,5kW | 940 | 6,45 | 3,71 | 1,5 | 4.060 | 64 | 71 | 1.405,20 |
| 253470146 | MBC 35/14 T6 1,5kW | 940 | 6,45 | 3,71 | 1,5 | 5.170 | 68 | 77 | 1.477,80 |
| 253500146 | MBC 40/16 T6 2,2kW | 940 | 10,3 | 5,94 | 2,2 | 7.150 | 71 | 86 | 1.743,40 |
| 253560146 | MBC 45/18 T6 2,2kW | 940 | 10,3 | 5,94 | 2,2 | 6.800 | 76 | 90 | 1.910,50 |

MBRM

Backward impeller, for clean or dusty air

Ventilador centrífugo, para aire limpio o polvoriento



MANUFACTURING FEATURES

- Rolling steel sheet housing.
- Fully welded or joined housing.
- High efficiency single inlet and backward curved impeller, made of Fe360 sheet statically and dynamically balanced.
- The fan paint finish is based on a Qualicoat polyester powder coating stoved at 200°C, with an average film thickness of 70 microns. Average heat resistance of coating is 180°C with peaks of 200°C.
- Impellers are painted with epoxy primer that resists temperatures up to 300°C.
- Standard asynchronous squirrel-cage motor with IP-55 protection and rated class F insulation. Manufactured with standard voltages: 230V 50Hz for single phase motors, 230/400V 50Hz for three phase motors up to 4kW and 400/690V 50Hz for higher powers.
- Standard orientation LG270.
- Allows you to vary the orientation locally at models from 250 to 630. In sizes ranging from 710 to 1400, the orientation is fixed.
- Optional front support up to size 500, size 560 and up-per front support is included.

APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, air extraction or injection.
- Cooling of machines and parts.
- Transport of dusty air and small loads of pellet materials.
- Exhaust after filters, separators and cyclones.
- Pneumatic transport.
- Maximum working temperature: carried air 130°C; environment 60°C.

UNDER REQUEST

- Fans for special voltages.
- 2 speed motor.
- C4 or C5 coating painting.
- Hot dip galvanized.
- Special steel (Cor-Ten A, Hardox...).
- Inox 304 (normal or electropolished finish).
- Inox 316 (normal or electropolished finish).
- Cooling wheel.
- Anticaloric paint.
- Reinforced housing.
- Fully welded housing (waterproof).
- Insulated housing.
- Split casing (for big sizes).
- Inspection door to facilitate maintenance and cleaning.
- Drain plug.
- Airtight shaft.
- Frontal foot.
- Double suction flange.
- Available in non-sparking air passage and standard motor.
- Other brands of motors.
- Orientation: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador fabricado en chapa Fe360.
- Carcasa totalmente soldada o engatillada.
- Turbina de álabes curvados hacia atrás (a reacción) de simple aspiración y alto rendimiento, fabricada en Fe360 equilibrada estática y dinámicamente.
- Pintura formulada a base de poliéster en polvo Qualicoat polimerizada a 200°C con un grosor medio de 70 micras. La resistencia térmica media de la pintura es de 180°C con picos de 200°C.
- Las turbinas se pintan con imprimación epoxídica con una resistencia térmica de 300°C.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230V 50Hz para motores monofásicos, 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Orientación estándar LG270.
- Permite variar la orientación en destino, en los modelos del 220 al 630. En los tamaños que van del 710 al 1400, la orientación es fija.
- Pie delantero opcional hasta tamaño 500, tamaño 560 y superiores pie delantero incluido.

APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Transporte de aire polvoriento o con ligera carga de materiales granulados exceptuando materiales filamentosos.
- Aspiración después de filtros, separadores y ciclones.
- Transporte neumático.
- Temperatura máxima de trabajo en continuo: aire transportado 130°C, ambiente: 60°C.

BAJO DEMANDA

- Ventiladores para voltajes especiales.
- Motor 2 velocidades.
- Acabado pintura C4-C5.
- Galvanizado en caliente.
- Aceros especiales (Corten, Hardox...).
- Inox 304 (acabado normal o electropulido).
- Inox 316 (acabado normal o electropulido).
- Rodete de refrigeración.
- Pintura anticorrosiva.
- Carcasa reforzada.
- Carcasa totalmente soldada (estanca).
- Carcasa aislada.
- Carcasa partida (para tamaños grandes).
- Puerta inspección para facilitar el mantenimiento y la limpieza.
- Drenaje.
- Eje estanco.
- Pie frontal.
- Doble anillo aspiración.
- Disponibles con paso de aire antichispas y motor estándar.
- Otras marcas de motores.
- Orientación: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

ACCESSORIES | ACCESORIOS

INT pg.434
 Safety switch.
 Interruptor de corte.

SFC pg.433
 Frequency speed controller.
 Variador de velocidad frecuenciacial.

RA pg.400
 Inlet protection guard.
 Rejilla aspiración.

AC pg.411
 Connexion flange.
 Brida de conexión.

JE 45 pg.416
 Flexible joint.
 Junta elástica.

SIL-C pg.426
 Duct circular silencer.
 Silenciador circular conducto.

EI pg.412
 Outlet flange.
 Embocadura impulsión.

BAD pg.416
 Circular-Circular coupling flange.
 Brida de acoplamiento circular-circular.

BA-400 pg.416
 Anti-vibrating flange 400%/2h. flexible.
 Brida antivibratoria 400%/2h.

FS pg.409
 Front support for medium and high pressure fans.
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AB pg.425
 Acoustic cabins for Casals centrifugal fans.
 Cabinas acústicas para ventiladores centrifugos Casals.

RI pg.398
 Outlet guard.
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AVR pg.422
 Anti-vibration rubber block.
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AVS pg.423
 Spring anti-vibration blocks.
 Amortiguador de muelles.

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | Rated. R.P.M. | Rated I (A) | | Rated. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|---------------------|---------------|-------------|------|-----------------|---------------|---------------|-----------|-------------------|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I máx. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € |
| | | | 230V | 400V | | | | | |
| 501802213 | MBRM 220 T2 0,18kW | 2800 | 0,87 | 0,51 | 0,18 | 790 | 47 | 18 | 638,10 |
| 501802514 | MBRM 251 T2 0,25kW | 2800 | 1,12 | 0,65 | 0,25 | 1.080 | 49 | 24 | 726,10 |
| 501802515 | MBRM 252 T2 0,37kW | 2800 | 1,58 | 0,91 | 0,37 | 1.370 | 51 | 26 | 744,90 |
| 501802816 | MBRM 281 T2 0,55kW | 2800 | 2,23 | 1,29 | 0,55 | 1.620 | 53 | 30 | 837,80 |
| 501802817 | MBRM 282 T2 0,75kW | 2800 | 2,75 | 1,58 | 0,75 | 1.800 | 54 | 35 | 835,90 |
| 501803118 | MBRM 311 T2 1,1kW | 2800 | 4,05 | 2,33 | 1,1 | 2.520 | 57 | 42 | 922,70 |
| 501803119 | MBRM 312 T2 1,5kW | 2800 | 5,46 | 3,14 | 1,5 | 2.520 | 57 | 45 | 988,30 |
| 501803519 | MBRM 351 T2 1,5kW | 2800 | 5,46 | 3,14 | 1,5 | 2.160 | 55 | 66 | 1.151,50 |
| 501803527 | MBRM 352 T2 2,2kW | 2800 | 7,97 | 4,58 | 2,2 | 3.960 | 59 | 70 | 1.193,30 |
| 501804029 | MBRM 401 T2 3kW | 2870 | 10,3 | 5,92 | 3 | 5.400 | 63 | 85 | 1.533,00 |
| 501804032 | MBRM 402 T2 4kW | 2890 | 13,3 | 7,63 | 4 | 6.120 | 64 | 93 | 1.607,00 |
| 501804534 | MBRM 451 T2 5,5kW | 2900 | - | 10,6 | 5,5 | 7.920 | 66 | 115 | 2.071,70 |
| 501804536 | MBRM 452 T2 7,5kW | 2900 | - | 14,1 | 7,5 | 7.920 | 66 | 118 | 2.181,30 |
| 501805021 | MBRM 501 T2 11kW | 2930 | - | 20,8 | 11 | 10.800 | 70 | 175 | 3.129,50 |
| 501805024 | MBRM 502 T2 15kW | 2930 | - | 27,4 | 15 | 10.800 | 71 | 180 | 3.287,20 |
| 501805626 | MBRM 561 T2 18,5kW | 2935 | - | 34,4 | 18,5 | 16.200 | 73 | 220 | 4.176,80 |
| 501805628 | MBRM 562 T2 22kW | 2940 | - | 39,8 | 22 | 16.200 | 73 | 276 | 4.758,80 |
| 501805045 | MBRM 503 T4 1,1kW | 1400 | 4,33 | 2,49 | 1,1 | 4.680 | 55 | 100 | 1.837,60 |
| 501805046 | MBRM 504 T4 1,5kW | 1400 | 5,67 | 3,26 | 1,5 | 5.400 | 56 | 106 | 1.881,80 |
| 501805654 | MBRM 563 T4 2,2kW | 1430 | 8,07 | 4,64 | 2,2 | 7.200 | 58 | 128 | 2.707,40 |
| 501805656 | MBRM 564 T4 3kW | 1430 | 10,7 | 6,17 | 3 | 7.920 | 59 | 136 | 2.792,80 |
| 501806359 | MBRM 631 T4 4kW | 1440 | 14,5 | 8,32 | 4 | 10.080 | 61 | 190 | 3.462,00 |
| 501806361 | MBRM 632 T4 5,5kW | 1440 | - | 10,5 | 5,5 | 10.800 | 64 | 205 | 3.653,70 |
| 501807163 | MBRM 711 T4 7,5kW | 1440 | - | 14,1 | 7,5 | 14.400 | 64 | 287 | 4.699,40 |
| 501807149 | MBRM 712 T4 11kW | 1460 | - | 21,2 | 11 | 18.000 | 66 | 338 | 5.218,10 |
| 501808052 | MBRM 801 T4 15kW | 1460 | - | 29,8 | 15 | 21.600 | 67 | 504 | 6.014,40 |
| 501808053 | MBRM 802 T4 18,5kW | 1465 | - | 35,6 | 18,5 | 25.200 | 68 | 512 | 6.472,90 |
| 501809057 | MBRM 901 T4 30kW | 1475 | - | 56,3 | 30 | 32.400 | 71 | 684 | 8.805,60 |
| 501809058 | MBRM 902 T4 37kW | 1475 | - | 69,2 | 37 | 32.400 | 72 | 767 | 9.545,40 |
| 501810060 | MBRM 1001 T4 45kW | 1475 | - | 80,7 | 45 | 43.200 | 72 | 963 | 11.056,60 |
| 501810062 | MBRM 1002 T4 55kW | 1480 | - | 97,1 | 55 | 46.800 | 74 | 1081 | 12.098,90 |
| 501811264 | MBRM 1121 T4 75kW | 1480 | - | 133 | 75 | 61.200 | 76 | 1445 | Consult Consultar |
| 501811266 | MBRM 1122 T4 90kW | 1485 | - | 158 | 90 | 68.400 | 77 | 1486 | Consult Consultar |
| 501808083 | MBRM 803 T6 4kW | 960 | - | 9,46 | 4 | 14.400 | 60 | 391 | 5.230,50 |
| 501808085 | MBRM 804 T6 5,5kW | 960 | - | 12,8 | 5,5 | 16.200 | 60 | 395 | 5.400,60 |
| 501809087 | MBRM 903 T6 7,5kW | 965 | - | 15,2 | 7,5 | 21.600 | 62 | 511 | 7.006,80 |
| 501809075 | MBRM 904 T6 11kW | 970 | - | 22,6 | 11 | 21.600 | 64 | 531 | 7.357,90 |
| 501810076 | MBRM 1003 T6 15kW | 970 | - | 27,7 | 15 | 28.800 | 66 | 743 | 8.939,80 |
| 501810077 | MBRM 1004 T6 18,5kW | 975 | - | 35,7 | 18,5 | 32.400 | 67 | 850 | 9.502,30 |
| 501811279 | MBRM 1123 T6 22kW | 975 | - | 42,3 | 22 | 39.600 | 67 | 955 | Consult Consultar |
| 501811281 | MBRM 1124 T6 30kW | 980 | - | 54,4 | 30 | 46.800 | 69 | 1156 | Consult Consultar |
| 501812582 | MBRM 1251 T6 37kW | 980 | - | 66,8 | 37 | 54.000 | 71 | 1430 | Consult Consultar |
| 501812584 | MBRM 1252 T6 45kW | 980 | - | 84,8 | 45 | 61.200 | 72 | 1915 | Consult Consultar |
| 501814086 | MBRM 1401 T6 55kW | 980 | - | 102 | 55 | 76.500 | 73 | 1850 | Consult Consultar |
| 501814088 | MBRM 1402 T6 75kW | 985 | - | 138 | 75 | 86.400 | 75 | 2346 | Consult Consultar |

NOTE: consult prices for models from 1121 to 1402. Available bigger sizes. Consult.
 NOTA: Modelos de 1121 a 1402 consultar precio. Disponibles tamaños superiores. Consulte.

MBRU

Centrifugal impeller, for clean or dusty air

Ventilador centrífugo, para aire limpio o polvoriento



MANUFACTURING FEATURES

- Fan made of Fe360 sheet.
- Fully welded or joined housing.
- High efficiency single inlet and backward curved impeller made of Fe360 sheet statically and dynamically balanced.
- The fan paint finish is based on a Qualicoat polyester powder coating stoved at 200°C, with an average film thickness of 70 microns. Average heat resistance of coating is 180°C with peaks of 200°C.
- Impellers are painted with epoxy primer that resists temperatures up to 300°C.
- Standard asynchronous squirrel-cage motor with IP-55 protection and rated class F insulation. Manufactured with standard voltages: 230V 50Hz for single phase motors, 230/400V 50Hz for three phase motors up to 4kW, and 400/690V 50Hz for higher powers.
- Standard orientation LG270.
- Allows you to vary the orientation locally at models from 250 to 630. In sizes ranging from 710 to 1400, the orientation is fixed.
- Optional front support up to size 500, size 560 and up-per front support is included.

APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, air extraction or injection.
- Cooling of machines and parts.
- Transport of dusty air and small loads of pellet materials.
- Exhaust after filters, separators and cyclones.
- Pneumatic transport.
- Maximum working temperature: carried air 130°C; environment 60°C.

UNDER REQUEST

- Special voltages.
- 2 speed motors.
- Non-sparking air passage and standard motor.
- Fan prepared for air up to 250°C (depending on model).
- Hot-dipped galvanised or stainless steel fans.
- With cooling impeller.
- Orientations: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador fabricado en chapa Fe360.
- Carcasa totalmente soldada o engatillada.
- Turbina de álabes curvados hacia atrás (a reacción) de simple aspiración y alto rendimiento, fabricada en Fe360 equilibrada estática y dinámicamente.
- Pintura formulada a base de poliéster en polvo Qualicoat polimerizada a 200°C con un grosor medio de 70 micras. La resistencia térmica media de la pintura es de 180°C con picos de 200°C.
- Las turbinas se pintan con imprimación epoxídica con una resistencia térmica de 300°C.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230V 50Hz para motores monofásicos, 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Orientación estándar LG270.
- Permite variar la orientación en destino, en los modelos del 250 al 630. En los tamaños que van del 710 al 1400, la orientación es fija.
- Pie delantero opcional hasta tamaño 500, tamaño 560 y superiores pie delantero incluido.

APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Transporte de aire polvoriento o con ligera carga de materiales granulados.
- Aspiración después de filtros, separadores y ciclones.
- Transporte neumático.
- Temperatura máxima de trabajo en continuo: aire transportado 130°C; ambiente: 60°C.

BAJO DEMANDA

- Voltajes especiales.
- Motor 2 velocidades.
- Paso de aire antichispas y motor estándar.
- Ventilador preparado para aire hasta 250°C (según modelo).
- Ventiladores fabricados en chapa galvanizada en caliente o acero inoxidable.
- Motores adaptados específicamente para regulación por frecuencia (recomendable para motores a partir de tamaño IEC280).
- Con rolete de refrigeración.
- Orientaciones: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

ACCESSORIES | ACCESORIOS



INT pg.434
Safety switch.
Interruptor de corte.



SFC pg.433
Frequency speed controller.
Variador de velocidad frecuencial.



RA pg.400
Inlet protection guard.
Rejilla aspiración.



AC pg.411
Connexion flange.
Brida de conexión.



JE 45 pg.416
Flexible joint.
Junta elástica.



SIL-C pg.426
Duct circular silencer.
Silenciador circular conducto.



EI pg.412
Outlet flange.
Embocadura impulsión.



BAD pg.416
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



BA-400 pg.416
Anti-vibrating flange 400°/2h. flexible.
Brida antivibratoria 400°/2h.



FS pg.409
Front support for medium and high pressure fans
Pie soporte delantero para ventiladores de media y alta presión



AB pg.425
Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals



RI pg.398
Outlet guard.
Reja impulsión.



AVR pg.422
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



AVS pg.423
Spring anti-vibration blocks.
Amortiguador de muelles.

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | Rated. R.P.M. | Rated I (A) | | Rat.. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|---------------------|---------------|-------------|------|----------------|---------------|---------------|-----------|-------------------|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I máx. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € |
| | | | 230V | 400V | | | | | |
| 501902515 | MBRU 250 T2 0,37kW | 2800 | 1,58 | 0,91 | 0,37 | 1.080 | 49 | 28 | 774,10 |
| 501902816 | MBRU 280 T2 0,55kW | 2800 | 2,23 | 1,29 | 0,55 | 1.440 | 51 | 30 | 869,40 |
| 501903118 | MBRU 310 T2 1,1kW | 2800 | 4,05 | 2,33 | 1,1 | 2.160 | 52 | 42 | 959,30 |
| 501903527 | MBRU 350 T2 2,2kW | 2800 | 7,97 | 4,58 | 2,2 | 2.880 | 55 | 62 | 1.242,00 |
| 501904032 | MBRU 400 T2 4kW | 2890 | 13,3 | 7,63 | 4 | 4.320 | 58 | 90 | 1.719,00 |
| 501904536 | MBRU 450 T2 7,5kW | 2900 | - | 14,1 | 7,5 | 7.920 | 63 | 115 | 2.322,40 |
| 501905021 | MBRU 501 T2 11kW | 2930 | - | 20,8 | 11 | 9.000 | 63 | 175 | 3.297,50 |
| 501905624 | MBRU 561 T2 15kW | 2930 | - | 27,4 | 15 | 12.600 | 66 | 217 | 4.183,00 |
| 501905626 | MBRU 562 T2 18,5kW | 2935 | - | 34,4 | 18,5 | 12.600 | 64 | 228 | 4.420,30 |
| 501906330 | MBRU 631 T2 30kW | 2950 | - | 56,6 | 30 | 21.600 | 71 | 438 | 6.319,60 |
| 501906331 | MBRU 632 T2 37kW | 2955 | - | 66,7 | 37 | 25.200 | 71 | 443 | 6.641,00 |
| 501907135 | MBRU 711 T2 55kW | 2965 | - | 95 | 55 | 28.800 | 71 | 625 | 10.269,50 |
| 501907137 | MBRU 712 T2 75kW | 2965 | - | 130 | 75 | 36.000 | 73 | 760 | 11.516,90 |
| 501908038 | MBRU 801 T2 90kW | 2970 | - | 156 | 90 | 28.800 | 72 | 904 | 13.526,20 |
| 501908022 | MBRU 802 T2 110kW | 2975 | - | 188 | 110 | 36.000 | 75 | 1046 | 18.160,60 |
| 501905045 | MBRU 502 T4 1,1kW | 1400 | 4,33 | 2,49 | 1,1 | 3.600 | 51 | 100 | 2.005,60 |
| 501905654 | MBRU 563 T4 2,2kW | 1430 | 8,07 | 4,64 | 2,2 | 6.120 | 53 | 143 | 2.950,90 |
| 501906359 | MBRU 633 T4 4kW | 1440 | 14,5 | 8,32 | 4 | 10.800 | 55 | 190 | 3.776,00 |
| 501907161 | MBRU 713 T4 5,5kW | 1440 | - | 10,5 | 5,5 | 10.080 | 56 | 275 | 4.922,30 |
| 501907163 | MBRU 714 T4 7,5kW | 1440 | - | 14,1 | 7,5 | 14.400 | 60 | 288 | 5.086,50 |
| 501908049 | MBRU 803 T4 11kW | 1460 | - | 21,2 | 11 | 16.200 | 58 | 418 | 6.447,60 |
| 501908052 | MBRU 804 T4 15kW | 1460 | - | 29,8 | 15 | 25.200 | 62 | 432 | 6.654,80 |
| 501909053 | MBRU 901 T4 18,5kW | 1465 | - | 35,6 | 18,5 | 18.000 | 59 | 590 | 8.698,40 |
| 501909057 | MBRU 902 T4 30kW | 1475 | - | 56,3 | 30 | 32.400 | 65 | 687 | 9.660,10 |
| 501910058 | MBRU 1001 T4 37kW | 1475 | - | 69,2 | 37 | 39.600 | 66 | 933 | 11.590,50 |
| 501910060 | MBRU 1002 T4 45kW | 1475 | - | 80,7 | 45 | 43.200 | 66 | 975 | 12.052,40 |
| 501911262 | MBRU 1121 T4 55kW | 1480 | - | 97,1 | 55 | 54.000 | 65 | 1210 | Consult Consultar |
| 501911264 | MBRU 1122 T4 75kW | 1480 | - | 133 | 75 | 61.200 | 67 | 1390 | Consult Consultar |
| 501912550 | MBRU 1251 T4 110kW | 1485 | - | 194 | 110 | 76.500 | 72 | 1840 | Consult Consultar |
| 501912551 | MBRU 1252 T4 132kW | 1485 | - | 230 | 132 | 85.000 | 73 | 1875 | Consult Consultar |
| 501914105 | MBRU 1401 T4 200kW | 1489 | - | 351 | 200 | 110.000 | 74 | 2336 | Consult Consultar |
| 501914108 | MBRU 1402 T4 250kW | 1490 | - | 428 | 250 | 110.000 | 75 | 2336 | Consult Consultar |
| 501908083 | MBRU 805 T6 4kW | 960 | 16,5 | 9,46 | 4 | 14.400 | 54 | 390 | 5.870,70 |
| 501909087 | MBRU 903 T6 7,5kW | 965 | - | 15,2 | 7,5 | 21.600 | 55 | 504 | 7.861,40 |
| 501910075 | MBRU 1003 T6 11kW | 970 | - | 22,6 | 11 | 25.200 | 59 | 684 | 9.403,10 |
| 501910076 | MBRU 1004 T6 15kW | 970 | - | 27,7 | 15 | 28.800 | 59 | 759 | 9.935,50 |
| 501911277 | MBRU 1123 T6 18,5kW | 975 | - | 35,7 | 18,5 | 32.400 | 62 | 935 | Consult Consultar |
| 501911279 | MBRU 1124 T6 22kW | 975 | - | 42,3 | 22 | 39.600 | 62 | 956 | Consult Consultar |
| 501912581 | MBRU 1253 T6 30kW | 980 | - | 54,4 | 30 | 46.800 | 62 | 1283 | Consult Consultar |
| 501912582 | MBRU 1254 T6 37kW | 980 | - | 66,8 | 37 | 54.000 | 64 | 1378 | Consult Consultar |
| 501914084 | MBRU 1403 T6 45kW | 980 | - | 84,8 | 45 | 61.200 | 61 | 2150 | Consult Consultar |
| 501914088 | MBRU 1404 T6 75kW | 985 | - | 138 | 75 | 76.500 | 66 | 2336 | Consult Consultar |



CIKSTORM

50 Hz



KASTORM



60 Hz

MBGR

Centrifugal fan for clean or dusty air

Ventilador centrífugo, para aire limpio o ligeramente polvoriento



MANUFACTURING FEATURES

- Fan made of Fe360 sheet. The fan paint finish is based on a Qualicoat polyester powder coating stoved at 200°C, with an average film thickness of 70 microns. Average heat resistance of coating is 180°C with peaks of 200°C.
- Fully welded housing.
- Single inlet backward curved impeller made of Fe360 sheet statically and dynamically balanced. Impellers are painted with epoxy primer that resists temperatures up to 300°C.
- Standard asynchronous squirrel-cage motor with IP-55 protection and class F insulation. Manufactured with standard voltages: 230/400V 50Hz in three phase motors up to 4kW and 400/690V 50Hz for higher powers.
- Standard orientation LG270.
- It allows adjusting the orientation locally from models 400 to 630. Models sizes from 710 to 1400 size the orientation is fixed.
- Optional front support up to size 500, size 560 and up-per front support is included.

APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, extraction or injection of air.
- Cooling of machines and parts.
- Clean and slightly dusty air transport.
- Exhaust after filters, separators and cyclones.
- Pneumatic transport.
- Maximum working temperature: carried air 130°C, environment 60°C.

UNDER REQUEST

- Special voltages.
- 2 speed motors.
- Non-sparking air passage and standard motor.
- Fan prepared for air up to 250°C (depending on model).
- Hot-dipped galvanised or stainless steel fans.
- With cooling impeller.
- Orientations: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180, LG225, LG315.

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador fabricado en chapa Fe360. La pintura de los ventiladores está formulada a base de poliéster en polvo Qualicoat polimerizada a 200°C con un grosor medio de 70 micras. La resistencia térmica media de la pintura es de 180°C con picos de 200°C.
- Carcasa totalmente soldada o engatillada.
- Turbina de álabes curvados hacia atrás (a reacción) de simple aspiración y alto rendimiento, fabricada en Fe360 equilibrada estática y dinámicamente. Las turbinas se pintan con imprimación epoxídica con una resistencia térmica de 300°C.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Orientación estándar RD270.
- Permite variar la orientación en destino, en los modelos del 400 al 630. En los tamaños que van del 710 al 1400, la orientación es fija.
- Pie delantero opcional hasta tamaño 500, tamaño 560 y superiores pie delantero incluido.

APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Transporte de aire limpio o ligeramente polvoriento.
- Transporte de aire polvoriento o con ligera carga de materiales granulados si pasar por el interior del ventilador.
- Aspiración después de filtros, separadores y ciclones.
- Transporte neumático.
- Temperatura máxima de trabajo en continuo: aire transportado 130°C, ambiente: 60°C.

BAJO DEMANDA

- Voltajes especiales.
- Motor 2 velocidades.
- Paso de aire antichispas y motor estándar.
- Ventilador preparado con rodete de refrigeración para trabajar hasta 250°C.
- Ventiladores fabricados en chapa galvanizada en caliente o acero inoxidable.
- Con rodete de refrigeración.
- Orientación: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, RD0, RD45, RD90, RD135, RD180, RD225, RD315.

ACCESSORIES | ACCESORIOS



INT pg.434

Safety switch.
Interrupción de corte.



SFC pg.433

Frecuency speed controller.
Variador de velocidad frecuencial.



RA pg.400

Inlet protection guard.
Rejilla aspiración.



AC pg.411

Connexion flange.
Brida de connexion.



JE 45 pg.416

Flexible joint.
Junta elástica.



SIL-C pg.426

Duct circular silencer.
Silenciador circular conducto.



EI pg.412

Outlet flange.
Embocadura impulsión.



BAD pg.416

Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



BA-400 pg.416

Anti-vibrating flange 400º/2h. flexible.
Brida antivibratoria 400º/2h.



FS pg.409

Front support for medium and high pressure fans
Pie soporte delantero para ventiladores de media y alta presión



AB pg.425

Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals



RI pg.398

Outlet guard.
Reja impulsión.



AVR pg.422

Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



AVS pg.423

Spring anti-vibration blocks.
Amortiguador de muelles.

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | Rated. R.P.M. | Rated I (A) | | Rat.. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|-----------|---------------------|---------------|-------------|------|----------------|---------------|---------------|-----------|-------------------|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I máx. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 502004027 | MBGR 401 T2 2,2kW | 2800 | 7,97 | 4,58 | 2,2 | 2.880 | 56 | 73 | 1.546,30 |
| 502004029 | MBGR 402 T2 3kW | 2870 | 10,3 | 5,92 | 3 | 3.600 | 60 | 81 | 1.669,30 |
| 502004532 | MBGR 451 T2 4kW | 2890 | 13,3 | 7,63 | 4 | 4.320 | 62 | 107 | 1.986,80 |
| 502004534 | MBGR 452 T2 5,5kW | 2900 | - | 10,6 | 5,5 | 5.400 | 67 | 136 | 2.191,00 |
| 502005036 | MBGR 501 T2 7,5kW | 2900 | - | 14,1 | 7,5 | 7.200 | 71 | 145 | 2.548,90 |
| 502005021 | MBGR 502 T2 11kW | 2930 | - | 20,8 | 11 | 8.640 | 73 | 210 | 3.275,40 |
| 502005621 | MBGR 561 T2 11kW | 2930 | - | 20,8 | 11 | 8.640 | 71 | 227 | 3.828,20 |
| 502005624 | MBGR 562 T2 15kW | 2930 | - | 27,4 | 15 | 12.600 | 75 | 240 | 3.985,90 |
| 502006328 | MBGR 631 T2 22kW | 2940 | - | 39,8 | 22 | 14.400 | 77 | 315 | 5.691,30 |
| 502006330 | MBGR 632 T2 30kW | 2950 | - | 56,6 | 30 | 18.000 | 78 | 400 | 6.358,60 |
| 502007131 | MBGR 711 T2 37kW | 2955 | - | 66,7 | 37 | 19.800 | 82 | 492 | 8.277,20 |
| 502007133 | MBGR 712 T2 45kW | 2960 | - | 78 | 45 | 21.600 | 83 | 602 | 9.119,10 |
| 502008037 | MBGR 801 T2 75kW | 2965 | - | 130 | 75 | 28.800 | 85 | 800 | 12.432,40 |
| 502008038 | MBGR 802 T2 90kW | 2970 | - | 156 | 90 | 36.000 | 86 | 860 | 13.385,10 |
| 502009023 | MBGR 901 T2 132kW | 2980 | - | 223 | 132 | 36.000 | 90 | 1065 | 20.338,70 |
| 502009025 | MBGR 902 T2 160kW | 2980 | - | 269 | 160 | 46.800 | 92 | 1090 | 20.812,40 |
| 502005646 | MBGR 563 T4 1,5kW | 1400 | 5,67 | 3,26 | 1,5 | 4.680 | 54 | 165 | 2.658,40 |
| 502005654 | MBGR 564 T4 2,2kW | 1430 | 8,07 | 4,64 | 2,2 | 5.400 | 56 | 169 | 2.753,60 |
| 502006356 | MBGR 633 T4 3kW | 1430 | 10,7 | 6,17 | 3 | 6.120 | 58 | 180 | 3.688,70 |
| 502006359 | MBGR 634 T4 4kW | 1440 | 14,5 | 8,32 | 4 | 7.920 | 60 | 190 | 3.815,00 |
| 502007159 | MBGR 713 T4 4kW | 1440 | 14,5 | 8,32 | 4 | 9.360 | 62 | 249 | 4.630,60 |
| 502007161 | MBGR 714 T4 5,5kW | 1440 | - | 10,5 | 5,5 | 10.800 | 65 | 272 | 4.822,40 |
| 502008063 | MBGR 803 T4 7,5kW | 1440 | - | 14,1 | 7,5 | 10.800 | 65 | 370 | 5.787,80 |
| 502008049 | MBGR 804 T4 11kW | 1460 | - | 21,2 | 11 | 18.000 | 69 | 415 | 6.306,50 |
| 502009052 | MBGR 903 T4 15kW | 1460 | - | 29,8 | 15 | 19.800 | 68 | 495 | 7.903,80 |
| 502009055 | MBGR 904 T4 22kW | 1470 | - | 40,1 | 22 | 25.200 | 74 | 576 | 8.510,00 |
| 502010057 | MBGR 1001 T4 30kW | 1475 | - | 56,3 | 30 | 28.800 | 76 | 794 | 10.210,50 |
| 502010058 | MBGR 1002 T4 37kW | 1475 | - | 69,2 | 37 | 36.000 | 77 | 893 | 10.950,10 |
| 502011260 | MBGR 1121 T4 45kW | 1475 | - | 80,7 | 45 | 36.000 | 79 | 1032 | Consult Consultar |
| 502011262 | MBGR 1122 T4 55kW | 1480 | - | 97,1 | 55 | 46.800 | 81 | 1132 | Consult Consultar |
| 502012564 | MBGR 1251 T4 75kW | 1480 | - | 133 | 75 | 54.000 | 83 | 1442 | Consult Consultar |
| 502012550 | MBGR 1252 T4 110kW | 1485 | - | 194 | 110 | 72.000 | 85 | 1770 | Consult Consultar |
| 502014051 | MBGR 1401 T4 132kW | 1485 | - | 230 | 132 | 72.000 | 87 | 2150 | Consult Consultar |
| 502014104 | MBGR 1402 T4 160kW | 1489 | - | 278 | 160 | 90.000 | 84 | 2170 | Consult Consultar |
| 502009083 | MBGR 905 T6 4kW | 960 | 16,5 | 9,46 | 4 | 10.800 | 55 | 441 | 7.119,70 |
| 502009085 | MBGR 906 T6 5,5kW | 960 | - | 12,8 | 5,5 | 14.400 | 57 | 450 | 7.290,00 |
| 502010087 | MBGR 1003 T6 7,5kW | 965 | - | 15,2 | 7,5 | 18.000 | 62 | 613 | 8.411,60 |
| 502010075 | MBGR 1004 T6 11kW | 970 | - | 22,6 | 11 | 21.600 | 68 | 626 | 8.762,70 |
| 502011276 | MBGR 1123 T6 15kW | 970 | - | 27,7 | 15 | 25.200 | 67 | 836 | Consult Consultar |
| 502011277 | MBGR 1124 T6 18,5kW | 975 | - | 35,7 | 18,5 | 32.400 | 69 | 861 | Consult Consultar |
| 502012579 | MBGR 1253 T6 22kW | 975 | - | 42,3 | 22 | 36.000 | 72 | 900 | Consult Consultar |
| 502012581 | MBGR 1254 T6 30kW | 980 | - | 54,4 | 30 | 46.800 | 74 | 1287 | Consult Consultar |
| 502014082 | MBGR 1403 T6 37kW | 980 | - | 66,8 | 37 | 46.800 | 77 | 1819 | Consult Consultar |
| 502014086 | MBGR 1404 T6 55kW | 980 | - | 102 | 55 | 61.000 | 77 | 2058 | Consult Consultar |

NOTE: consult prices for models from 1121 to 1402.
 NOTA: Modelos de 1121 a 1404 consultar precio.

MA P/R

Straight blade impeller, in cast aluminum

Turbina de pala recta, en fundición de aluminio



MANUFACTURING FEATURES

- Cast aluminium housing.
- Straight blade made of cast aluminium.
- Epoxy-polyester finishing coat.
- Squirrel cage asynchronous standard motor, IP-55 protection and rated class F insulation. Standard voltages 230/400V 50Hz.
- Default assembly orientation is LG270.

APPLICATIONS

- Designed for inline installation, they are suitable for:
- Solid material transport (except for textile fibers).
 - Maximum working temperature: carried air 130°C; environment 60°C.

UNDER REQUEST

- Special voltages.
- 2 speed motors.
- Orientations: LG 0, LG 45, LG 90, LG 135, LG 180, LG 315.

CARACTERÍSTICAS CONSTRUCTIVAS

- Carcasa fabricada en fundición de aluminio.
- Turbina de pala recta en fundición de aluminio.
- Protegidos contra la corrosión mediante recubrimiento en polvo de resina epoxy-poliéster.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230/400V 50Hz.
- Orientación estándar LG270.

APLICACIONES

- Diseñados para instalación en conducto, son indicados para:
- Transporte de materia sólida excepto fibras textiles.
 - Temperatura máxima de trabajo en continuo: aire transportado 130°C, ambiente: 60°C.

BAJO DEMANDA

- Voltajes especiales.
- Motor 2 velocidades.
- Orientaciones: LG 0, LG 45, LG 90, LG 135, LG 180, LG 315.

ACCESSORIES | ACCESORIOS



INT pg.434
Safely switch.
Interruptor de corte.



SFC pg.433
Frequency speed controller.
Variador de velocidad frecuencial.



BA-400 pg.416
Anti-vibrating flange 400°/2h. flexible.
Brida antivibratoria 400°/2h.



AC pg.411
Connexion flange.
Brida de connexion.



JE 45 pg.416
Flexible joint.
Junta elástica.



SIL-C pg.426
Duct circular silencer.
Silenciador circular conducto.



BAD pg.416
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



AVR pg.422
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



AVS pg.423
Spring anti-vibration blocks.
Amortiguador de muelles.



FS pg.409
Front support for medium and high pressure fans
Pie soporte delantero para ventiladores de media y alta presión



AB pg.425
Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | Rated. R.P.M. | Rated I (A) | | Rat.. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|---------------------|---------------|-------------|------|----------------|---------------|---------------|-----------|----------|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I máx. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € |
| | | | 230V | 400V | | | | | |
| 253300160 | MA 26 T2 0,37kW P/R | 2800 | 1,58 | 0,91 | 0,37 | 700 | 52 | 14 | 602,70 |
| 300006000 | MA 27 T2 0,55kW P/R | 2800 | 2,23 | 1,29 | 0,55 | 850 | 54 | 16 | 694,80 |
| 300140600 | MA 28 T2 0,75kW P/R | 2800 | 2,75 | 1,58 | 0,75 | 1.400 | 56 | 21 | 877,90 |
| 300032600 | MA 31 T2 1,5kW P/R | 2800 | 5,46 | 3,14 | 1,5 | 1.800 | 59 | 25 | 1.136,30 |

MB P/R

Straight blade impeller
Turbina de pala recta



MANUFACTURING FEATURES

- Rolled steel sheet housing.
- Completely welded and reinforced housing.
- Single inlet straight blade impeller manufactured in steel sheet and with reinforced with a welded ring protected with epoxy powder finishing coat.
- Epoxy-polyester finishing coat.
- Standard asynchronous squirrel-cage motor with IP-55 protection and rated class F insulation. Manufactured with standard voltages 230/400V 50Hz in three phase motors up to 4kW, and 400/690V 50Hz for higher powers.
- Default assembly orientation is LG270.

APPLICATIONS

Designed for inline installation, they are suitable for:

- Solid material transport (except for textile fibers).
- Maximum working temperature: carried air 130°C; environment 60°C.

UNDER REQUEST

- 2 speed motors.
- Fan prepared for air up to 250°C (depending on model).
- Fan equipped with cooling impeller for high temperature air transport.
- Orientations: LG0, LG 45, LG 90, LG 135, LG 180, LG225, LG315, RD0, RD45, RD90, RD135, RD180, RD225, RD 270, RD315.

CARACTERÍSTICAS CONSTRUCTIVAS

- Carcasa fabricada en chapa de acero laminado.
- Carcasa totalmente soldada y reforzada.
- Turbina de pala recta fabricada con chapa de acero y con aro de refuerzo soldado y protegida contra la corrosión mediante recubrimiento de polvo de resina epoxy-poliéster.
- Protegidos contra la corrosión mediante recubrimiento en polvo de resina epoxy.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Orientación estándar: LG270.

APLICACIONES

- Diseñados para instalación en conducto, son indicados para:
- Transporte de materia sólida excepto fibras textiles.
 - Temperatura máxima de trabajo en continuo: aire transportado 130°C, ambiente: 60°C.

BAJO DEMANDA

- Motor 2 velocidades.
- Ventilador preparado para aire hasta 250°C (según modelo).
- Ventilador equipado con rodete de refrigeración para transporte de aire de altas temperaturas.
- Orientación: LG0, LG 45, LG 90, LG 135, LG 180, LG225, LG315, RD0, RD45, RD90, RD135, RD180, RD225, RD 270, RD315.

ACCESSORIES | ACCESORIOS



INT pg.434
Safety switch.
Interruptor de corte.



SFC pg.433
Frequency speed controller.
Variador de velocidad frecuencial.



EI pg.412
Outlet flange.
Embocadura impulsión.



AC pg.411
Connexion flange.
Brida de connexion.



BA-400 pg.416
Anti-vibrating flange 400º/2h. flexible.
Brida antivibratoria 400º/2h.



SIL-C pg.426
Duct circular silencer.
Silenciador circular conducto.



BAD pg.416
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



JE 45 pg.416
Flexible joint.
Junta elástica.



AVR pg.422
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



AVS pg.423
Spring anti-vibration blocks.
Amortiguador de muelles.



SIL-C pg.426
Duct circular silencer.
Silenciador circular conducto.



FS pg.409
Front support for medium and high pressure fans
Pie soporte delantero para ventiladores de media y alta presión



AB pg.425
Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | Rated. R.P.M. | Rated I (A) | | Rat.. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|-----------------------|---------------|-------------|------|----------------|---------------|---------------|-----------|----------|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I máx. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € |
| | | | 230V | 400V | | | | | |
| 253210160 | MB 22/9 T2 1,1kW P/R | 2800 | 4,05 | 2,33 | 1,1 | 2.100 | 71 | 23 | 805,00 |
| 253280160 | MB 25/10 T2 1,5kW P/R | 2800 | 5,46 | 3,14 | 1,5 | 2.550 | 73 | 31 | 928,70 |
| 253360161 | MB 28/11 T2 2,2kW P/R | 2800 | 7,97 | 4,58 | 2,2 | 4.500 | 76 | 40 | 1.021,70 |
| 253450160 | MB 31/12 T2 3kW P/R | 2870 | 10,3 | 5,92 | 3 | 5.300 | 78 | 55 | 1.381,80 |
| 253480161 | MB 35/14 T2 5,5kW P/R | 2900 | - | 10,6 | 5,5 | 7.800 | 81 | 85 | 2.014,70 |
| 253510160 | MB 40/16 T2 7,5kW P/R | 2900 | - | 14,1 | 7,5 | 9.500 | 85 | 103 | 2.229,80 |
| 253530160 | MB 45/18 T2 11kW P/R | 2930 | - | 20,8 | 11 | 10.500 | 88 | 180 | 3.063,50 |
| 253530161 | MB 45/18 T2 15kW P/R | 2930 | - | 27,4 | 15 | 12.500 | 88 | 191 | 3.516,90 |

MBZM P/R

Centrifugal fan for solid material transport

Ventilador centrífugo para transporte de material sólido



MANUFACTURING FEATURES

- Fan made of Fe360 sheet.
- Fully welded and reinforced housing.
- Single inlet straight blade impeller made of Fe360 sheet statically and dynamically balanced.
- The fan paint finish is based on a Qualicoat polyester powder coating stoved at 200°C, with an average film thickness of 70 microns. Average heat resistance of coating is 180°C with peaks of 200°C.
- Impellers are painted with epoxy primer that resists temperatures up to 300°C.
- Standard asynchronous squirrel-cage motor with IP-55 protection and rated class F insulation. Standard voltages 230/400V 50Hz for three phase motors up to 4kW and 400/690V 50Hz for higher powers.
- Standard orientation LG270.
- It allows adjusting the orientation locally from models 220 to 630. Models sizes from 710 to 1000 size the orientation is fixed.
- Optional front support up to size 500, size 560 and upper front support is included.

APPLICATIONS

- Designed for inline installation, they are suitable for:
- For pneumatic transport of solid materials mixed with air, sawdust and wood chips; also filamentary materials.
 - Maximum working temperature: carried air 130°C; environment 60°C.

UNDER REQUEST

- Special voltages.
- 2 speed motors.
- Non-sparking air passage and standard motor.
- Fan prepared for air up to 250°C (depending on model).
- Hot-dipped galvanised or stainless steel fans.
- With cooling impeller.
- Orientations: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador fabricado en chapa Fe360.
- Carcasa totalmente soldada y reforzada.
- Turbina de pala recta y simple aspiración fabricada en Fe360 equilibrada estática y dinámicamente.
- La pintura de los ventiladores está formulada a base de poliéster en polvo Qualicoat polimerizada a 200°C con un grosor medio de 70 micras. La resistencia térmica media de la pintura es de 180°C con picos de 200°C.
- Las turbinas se pintan con imprimación epoxídica con una resistencia térmica de 300°C.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Orientación estándar LG270.
- Permite variar la orientación en destino, en los modelos del 220 al 630. En los tamaños que van del 710 al 1000, la orientación es fija.
- Pie delantero opcional hasta tamaño 500, tamaño 560 y superiores pie delantero incluido.

APLICACIONES

- Diseñados para instalación en conducto, son indicados para:
- Para transporte neumático de materiales sólidos mezclados con aire, serrín y virutas de madera; también para materiales filamentosos.
 - Temperatura máxima de trabajo en continuo: aire transportado 130°C, ambiente: 60°C.

BAJO DEMANDA

- Voltajes especiales.
- Motor 2 velocidades.
- Paso de aire antichispas y motor estándar.
- Ventilador preparado para aire hasta 250°C (según modelo).
- Ventiladores fabricados en chapa galvanizada en caliente o acero inoxidable.
- Con rodete de refrigeración.
- Orientación: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

ACCESSORIES | ACCESORIOS



INT pg.434

Safety switch.
Interrupción de corte.



SFC pg.433

Frequency speed controller.
Variador de velocidad frecuencial.



AB pg.425

Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals



AC pg.411

Connexion flange.
Brida de conexión.



JE 45 pg.416

Flexible joint.
Junta elástica.



SIL-C pg.426

Duct circular silencer.
Silenciador circular conducto.



EI pg.412

Outlet flange.
Embocadura impulsión.



BAD pg.416

Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



BA-400 pg.416

Anti-vibrating flange 400°/2h. flexible.
Brida antivibratoria 400°/2h.



FS pg.409

Front support for medium and high pressure fans
Pie soporte delantero para ventiladores de media y alta presión



AVR pg.422

Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



AVS pg.423

Spring anti-vibration blocks.
Amortiguador de muelles.

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | R.P.M. | Rated I (A) | | Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|------------------------|--------|-------------|------|-------------|---------------|---------------|-----------|-----------|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. | I máx. (A) | | Potencia kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € |
| | | | 230V | 400V | | | | | |
| 501502215 | MBZM 220 T2 0,37kW P/R | 2800 | 1,58 | 0,91 | 0,37 | 870 | 52 | 20 | 659,60 |
| 501502516 | MBZM 251 T2 0,55kW P/R | 2800 | 2,23 | 1,29 | 0,55 | 1.080 | 55 | 25 | 747,80 |
| 501502517 | MBZM 252 T2 0,75kW P/R | 2800 | 2,75 | 1,58 | 0,75 | 1.230 | 56 | 30 | 745,70 |
| 501502818 | MBZM 281 T2 1,1kW P/R | 2800 | 4,05 | 2,33 | 1,1 | 1.370 | 57 | 33 | 849,80 |
| 501502819 | MBZM 282 T2 1,5kW P/R | 2800 | 5,46 | 3,14 | 1,5 | 1.800 | 59 | 37 | 915,20 |
| 501503119 | MBZM 311 T2 1,5kW P/R | 2800 | 5,46 | 3,14 | 1,5 | 1.620 | 59 | 43 | 983,50 |
| 501503127 | MBZM 312 T2 2,2kW P/R | 2800 | 7,97 | 4,58 | 2,2 | 2.160 | 61 | 47 | 1.025,30 |
| 501503529 | MBZM 351 T2 3kW P/R | 2870 | 10,3 | 5,92 | 3 | 2.520 | 64 | 63 | 1.309,00 |
| 501503532 | MBZM 352 T2 4kW P/R | 2890 | 13,3 | 7,63 | 4 | 3.600 | 65 | 72 | 1.383,00 |
| 501504034 | MBZM 401 T2 5,5kW P/R | 2900 | - | 10,6 | 5,5 | 4.320 | 67 | 101 | 1.803,90 |
| 501504036 | MBZM 402 T2 7,5kW P/R | 2900 | - | 14,1 | 7,5 | 5.400 | 69 | 106 | 1.913,40 |
| 501504521 | MBZM 452 T2 11kW P/R | 2930 | - | 20,8 | 11 | 7.200 | 72 | 155 | 2.864,10 |
| 501505024 | MBZM 501 T2 15kW P/R | 2930 | - | 27,4 | 15 | 9.000 | 73 | 180 | 3.265,20 |
| 501505028 | MBZM 502 T2 22kW P/R | 2940 | - | 39,8 | 22 | 10.800 | 75 | 250 | 3.979,60 |
| 501504546 | MBZM 454 T4 1,5kW P/R | 1400 | 5,67 | 3,26 | 1,5 | 3.600 | 58 | 85 | 1.631,10 |
| 501505054 | MBZM 503 T4 2,2kW P/R | 1430 | 8,07 | 4,64 | 2,2 | 4.680 | 57 | 112 | 1.955,00 |
| 501505056 | MBZM 504 T4 3kW P/R | 1430 | 10,7 | 6,17 | 3 | 5.400 | 61 | 117 | 2.040,50 |
| 501505659 | MBZM 561 T4 4kW P/R | 1440 | 14,5 | 8,32 | 4 | 6.120 | 62 | 156 | 2.921,50 |
| 501505661 | MBZM 562 T4 5,5kW P/R | 1440 | - | 10,5 | 5,5 | 7.200 | 63 | 177 | 3.113,20 |
| 501506363 | MBZM 631 T4 7,5kW P/R | 1440 | - | 14,1 | 7,5 | 7.920 | 64 | 202 | 3.754,70 |
| 501506349 | MBZM 632 T4 11kW P/R | 1460 | - | 21,2 | 11 | 10.080 | 66 | 250 | 4.273,50 |
| 501507149 | MBZM 711 T4 11kW P/R | 1460 | - | 21,2 | 11 | 12.600 | 68 | 358 | 5.038,00 |
| 501507152 | MBZM 712 T4 15kW P/R | 1460 | - | 29,8 | 15 | 12.600 | 69 | 370 | 5.245,10 |
| 501508053 | MBZM 801 T4 18,5kW P/R | 1465 | - | 35,6 | 18,5 | 19.800 | 71 | 526 | 6.273,30 |
| 501508057 | MBZM 802 T4 30kW P/R | 1475 | - | 56,3 | 30 | 21.600 | 72 | 639 | 7.235,30 |
| 501509058 | MBZM 901 T4 37kW P/R | 1475 | - | 69,2 | 37 | 28.800 | 75 | 782 | 9.223,90 |
| 501509060 | MBZM 902 T4 45kW P/R | 1475 | - | 80,7 | 45 | 28.800 | 75 | 817 | 9.685,80 |
| 501510062 | MBZM 1001 T4 55kW P/R | 1480 | - | 97,1 | 55 | 36.000 | 76 | 1083 | 11.736,10 |
| 501510064 | MBZM 1002 T4 75kW P/R | 1480 | - | 133 | 75 | 42.120 | 78 | 1227 | 13.748,00 |



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> EXTRACTOR CON PERSIANA
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> **LÍDERO** <
 > 100/120/150

MDI

Forward impeller, stainless steel AISI 304

Turbina acción, acero inoxidable AISI 304



MANUFACTURING FEATURES

- Welded stainless steel AISI 304 housing.
- Stainless steel single inlet forward curved impeller.
- Standard asynchronous squirrel-cage motor with IP-55 protection and class F insulation. Standard voltages 230V 50Hz in single phase motors and 230/400V 50Hz in three phase motors.

APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, air extraction or injection.
- Cooling of machines and parts.
- Clean air transport.
- Air transport with corrosive components.
- Maximum working temperature: carried air 130°C; environment single phase 50°C, three phase 60°C.

UNDER REQUEST

- Special voltages.
- 2 speed motors.
- Fans provided with cooling disk for high temperatures.

CARACTERÍSTICAS CONSTRUCTIVAS

- Carcasa engatillada fabricada en acero inoxidable AISI 304.
- Turbina múltipala de álabes curvados hacia adelante de simple aspiración fabricada en acero inoxidable.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230V 50Hz para motores monofásicos, 230/400V 50Hz para motores trifásicos.

APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Transporte de aire limpio.
- Transporte de aire con componentes corrosivos.
- Temperatura máxima de trabajo en continuo: aire transportado: 130°C, ambiente: monofásico 50°C, trifásico 60°C.

BAJO DEMANDA

- Voltajes especiales.
- Motor 2 velocidades.
- Ventilador equipado con rodete de refrigeración para transporte de aire de altas temperatura.

ACCESSORIES | ACCESORIOS



INT pg.434

Safety switch.
Interrupor de corte.



SFC pg.433

Frequency speed controller.
Variador de velocidad frecuencial.



RAI pg.400

Inlet protection guard manufactured in stainless steel.
Rejilla aspiración inox.



AB pg.425

Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrifugos Casals

SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | R.P.M. | Rated I (A) 230V | Power kW | Air flow m³/h | Weight Kg | R.R.P. € |
|-----------|---------------------|--------|------------------|-------------|---------------|-----------|----------|
| Código | Modelo | R.P.M. | I nom. (A) 230V | Potencia kW | Q máx. m³/h | Peso Kg | P.V.P € |
| 300716100 | MDI 10/5 M2 0,12kW | 2850 | 0,94 | 0,09 | 330 | 2,4 | 695,40 |
| 300716400 | MDI 13/6 M2 0,18kW | 2850 | 1,42 | 0,18 | 600 | 5,3 | 782,40 |
| 300716600 | MDI 13/8 M2 0,25kW | 2850 | 1,87 | 0,25 | 900 | 9,4 | 834,50 |
| 300716700 | MDI 16/8 M2 0,37kW | 2850 | 2,61 | 0,37 | 1.300 | 6,2 | 1.017,00 |
| 300716900 | MDI 18/8 M2 0,55kW | 2850 | 3,71 | 0,55 | 1.600 | 10,2 | 1.060,50 |
| 300717100 | MDI 20/10 M2 1,1kW | 2850 | 6,71 | 1,1 | 3.500 | 19 | 1.303,80 |
| 300717500 | MDI 25/13 M2 2,2kW | 2850 | 13,67 | 2,2 | 3.350 | 11 | 2.573,00 |
| 300716300 | MDI 13/6 M4 0,12kW | 1450 | 1,15 | 0,12 | 400 | 4,9 | 782,40 |
| 300716500 | MDI 13/8 M4 0,12kW | 1450 | 1,15 | 0,12 | 500 | 5,8 | 817,20 |
| 300716800 | MDI 16/8 M4 0,13kW | 1450 | 1,15 | 0,12 | 800 | 9 | 982,40 |
| 300717000 | MDI 18/8 M4 0,25kW | 1450 | 1,93 | 0,25 | 1.300 | 9,7 | 1.008,40 |
| 300717200 | MDI 20/10 M4 0,25kW | 1450 | 1,93 | 0,55 | 1.600 | 11 | 1.147,50 |
| 300717300 | MDI 25/13 M4 0,37kW | 1450 | 2,82 | 0,55 | 3.000 | 24 | 2.294,90 |

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | R.P.M. | Rated I (A) | | Power kW | Air flow m³/h | Weight Kg | R.R.P. € |
|-----------|---------------------|--------|-------------|------|-------------|---------------|-----------|----------|
| | | | 230V | 400V | | | | |
| Código | Modelo | R.P.M. | I máx. (A) | | Potencia kW | Q máx. m³/h | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | |
| 300717600 | MDI 10/5 T2 0,12kW | 2850 | 0,64 | 0,36 | 0,09 | 330 | 2,4 | 634,60 |
| 300717800 | MDI 13/6 T2 0,18kW | 2850 | 0,87 | 0,51 | 0,18 | 600 | 5,3 | 699,80 |
| 300718100 | MDI 13/8 T2 0,25kW | 2850 | 1,12 | 0,65 | 0,25 | 900 | 9,4 | 743,10 |
| 300718200 | MDI 16/8 T2 0,37kW | 2850 | 1,58 | 0,91 | 0,37 | 1.300 | 6,2 | 934,60 |
| 300718400 | MDI 18/8 T2 0,55kW | 2850 | 2,23 | 1,29 | 0,55 | 1.600 | 10,2 | 956,00 |
| 300718600 | MDI 20/10 T2 1,1kW | 2850 | 4,42 | 2,55 | 1,1 | 3.500 | 19 | 1.147,50 |
| 300718800 | MDI 25/13 T2 2,2kW | 2850 | 8,61 | 4,98 | 2,2 | 3.350 | 32 | 2.312,30 |
| 300717900 | MDI 13/6 T4 0,12kW | 1450 | 0,8 | 0,46 | 0,12 | 400 | 4,9 | 699,80 |
| 300718000 | MDI 13/8 T4 0,12kW | 1450 | 0,8 | 0,46 | 0,12 | 500 | 5,8 | 734,60 |
| 300718300 | MDI 16/8 T4 0,12kW | 1450 | 0,8 | 0,46 | 0,12 | 800 | 9 | 899,70 |
| 300718500 | MDI 18/8 T4 0,25kW | 1450 | 1,38 | 0,79 | 0,25 | 1.300 | 9,7 | 912,90 |
| 300718700 | MDI 20/10 T4 0,25kW | 1450 | 1,38 | 0,79 | 0,55 | 1.600 | 11 | 1.043,20 |
| 300718900 | MDI 25/13 T4 0,37kW | 1450 | 1,86 | 1,07 | 0,55 | 3.000 | 24 | 2.121,10 |

MBP

Backward impeller, anticorrosive plastic material
Turbina reacción, material plástico anticorrosivo



MANUFACTURING FEATURES

- PE plastic housing.
- Backward curved impeller in PP plastic.
- Motor support made of rolled steel sheet with epoxy powder finishing coat.
- Stainless steel nuts and bolts.
- Standard asynchronous squirrel-cage motor, IP-55, class F insulation. Standard voltages 230/400V 50Hz.
- Standard orientation: LG270.

APPLICATIONS

Designed for inline installation, they are suitable for:

- Corrosive air transport.
- Chemical and petrochemical industry.
- Laboratories and gas cabinets.
- Maximum temperature of transported air: if it is clean air 70°C, other depends on the gas (see table in documentation).

UNDER REQUEST

- Single phase motors (up to 1,5kW).
- Special voltages fans.
- 2 speed motors.
- Motors with PTC/PTO temperature probes.
- Stainless steel motor support.
- Casing made of PP
- Orientations: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180, LG225, LG315.

CARACTERÍSTICAS CONSTRUCTIVAS

- Carcasa fabricada en plástico PE.
- Turbina a reacción en plástico PP.
- Soporte motor fabricado en chapa de acero recubierto contra la corrosión en polvo de resina epoxy.
- Tornillería en acero inoxidable.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230/400V 50Hz.
- Orientación estándar: LG270.

APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Transporte de aire con componentes corrosivos.
- Industria química y petroquímica.
- Laboratorios y vitrinas de gases.
- Temperatura máxima del aire transportado: si es aire limpio a 70°C, otros dependerá del gas (consulte la tabla en la documentación).

BAJO DEMANDA

- Motores monofásicos (hasta 1,5kW).
- Voltajes especiales.
- Motores 2 velocidades.
- Motores con sondas de temperatura PTC/PTO.
- Pie soporte en acero inoxidable.
- Carcasa en PP
- Orientación: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180, LG225, LG315.

ACCESSORIES | ACCESORIOS



INT pg.434

Safety switch.
Interrupor de corte.



SFC pg.433

Frecuency speed controller.
Variador de velocidad frecuencial.



BA-400 pg.416

Anti-vibrating flange 400º/2h. flexible.
Brida antivibratoria 400º/2h.



JE 45 pg.416

Flexible joint.
Junta elástica.



AVR pg.422

Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



AVS pg.423

Spring anti-vibration blocks.
Amortiguador de muelles.



SIL-C pg.426

Duct circular silencer.
Silenciador circular conducto.

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | Rated R.P.M. | Rated I (A) | | Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|------------------|--------------|-------------|------|-------------|---------------|---------------|-----------|----------|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I máx. (A) | | Potencia kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € |
| | | | 230V | 400V | | | | | |
| 502202013 | MBP 20 T2 0,18kW | 2710 | 0,55 | 1 | 0,18 | 1.150 | 58 | 9 | 831,80 |
| 502202515 | MBP 25 T2 0,37kW | 2730 | 0,97 | 1,7 | 0,37 | 2.150 | 66 | 13 | 1.135,00 |
| 502202817 | MBP 28 T2 0,75kW | 2840 | 1,75 | 3 | 0,75 | 3.170 | 69 | 19 | 1.424,30 |
| 502203119 | MBP 31 T2 1,5kW | 2850 | 3,2 | 5,5 | 1,5 | 4.700 | 72 | 26 | 1.781,40 |
| 502203527 | MBP 35 T2 2,2kW | 2860 | 4,54 | 7,9 | 2,2 | 6.700 | 74 | 32 | 1.997,00 |
| 502202039 | MBP 20 T4 0,12kW | 1360 | 0,55 | 1 | 0,12 | 570 | 43 | 9 | 831,80 |
| 502202539 | MBP 25 T4 0,12kW | 1360 | 0,55 | 1 | 0,12 | 1.090 | 50 | 10 | 1.074,10 |
| 502202840 | MBP 28 T4 0,18kW | 1310 | 0,7 | 1,2 | 0,18 | 1.610 | 53 | 14 | 1.376,50 |
| 502203141 | MBP 31 T4 0,25kW | 1350 | 0,8 | 1,4 | 0,25 | 2.390 | 56 | 19 | 1.469,70 |
| 502203542 | MBP 35 T4 0,37kW | 1370 | 1,1 | 1,9 | 0,37 | 3.400 | 58 | 23 | 1.647,10 |
| 502204043 | MBP 40 T4 0,55kW | 1370 | 1,58 | 2,7 | 0,55 | 4.850 | 63 | 33 | 2.251,90 |
| 502204545 | MBP 45 T4 1,1kW | 1420 | 2,5 | 4,3 | 1,1 | 6.400 | 63 | 40 | 2.536,10 |
| 502203168 | MBP 31 T6 0,18kW | 880 | 0,7 | 1,2 | 0,18 | 1.570 | 45 | 19 | 1.464,40 |
| 502203568 | MBP 35 T6 0,18kW | 880 | 0,7 | 1,2 | 0,18 | 2.230 | 47 | 23 | 1.641,70 |
| 502204069 | MBP 40 T6 0,25kW | 900 | 0,87 | 1,5 | 0,25 | 3.180 | 52 | 30 | 2.038,00 |
| 502204570 | MBP 45 T6 0,37kW | 900 | 1,23 | 2,1 | 0,37 | 4.190 | 52 | 37 | 2.219,80 |

ACCESSORIES FOR MBP | ACCESORIOS PARA MBP

| Application model | Ø inlet / outlet | R.R.P. / P.V.P € | | | | | | | | | | |
|-------------------|--------------------------|------------------|--------|--------|--------|--------|-------|-------|-------|-------|--------|--|
| Modelo a aplicar | Ø aspiración / impulsión | FJ | DG | CSC | AD | PC | PCM | AV | PD | RPI | WS | |
| MBP 20 | 160 | 44,40 | 96,20 | 184,90 | 173,80 | 62,80 | 29,60 | 33,30 | 18,50 | 44,40 | 147,90 | |
| MBP 25 | 200 | 51,80 | 125,80 | 229,30 | 196,00 | 62,80 | 29,60 | 33,30 | 18,50 | 48,00 | 147,90 | |
| MBP 28 | 225 | 55,50 | 144,20 | 266,20 | 207,10 | 103,50 | 29,60 | 33,30 | 18,50 | 55,50 | 147,90 | |
| MBP 31 | 250 | 62,80 | 170,10 | 295,80 | 214,50 | 114,70 | 36,90 | 44,40 | 18,50 | 59,20 | 147,90 | |
| MBP 35 | 280 | 66,60 | 181,20 | 318,00 | 225,50 | 125,80 | 36,90 | 44,40 | 18,50 | 66,20 | 147,90 | |
| MBP 40 | 315 | 74,00 | 188,60 | 336,50 | 266,20 | 125,80 | 36,90 | 44,40 | 18,50 | 81,40 | 147,90 | |
| MBP 45 | 355 | 85,10 | 233,00 | 373,40 | 269,90 | 140,60 | 44,40 | 44,40 | 18,50 | 88,70 | 147,90 | |

FJ = Flexible joint/ Junta flexible DG = Diffuser with grid/ Difusor con rejilla CSC = Gravity shutter/ Compuerta sobrepresión circular AD = Adjustable damper/ Compuerta ajustable
 PC = Housing protection/ Protección de carcasa PCM = Motor protection cover/ Tapa protección motor AV = Anti-vibration mounts kit/ Kit soporte antivibración PD = Drain plug/ Tapón de drenaje
 RPI = Stainless protection grid/ Rejilla de protección inoxidable WS = Wall bracket/ Soporte para pared

> ESTELADESIGN <

- ✓ Low profile for small spaces
- ✓ Bajo perfil para espacios reducidos
- ✓ More efficient work in plenum
- ✓ Más eficiencia de trabajo en plénum
- ✓ More flow and more pressure than others residential models
- ✓ Más caudal y más presión que otros modelos residenciales



50/60 Hz

www.casals.com



MBPC

Forward impeller, anticorrosive plastic material
Turbina acción, material plástico anticorrosivo



MANUFACTURING FEATURES

- PE plastic housing.
- Forward curved impeller in PP plastic.
- Motor support made of rolled steel sheet with epoxy powder finishing coat.
- Stainless steel nuts and bolts.
- Standard asynchronous squirrel-cage motor, IP-55, class F insulation. Standard voltages 230/400V 50Hz.
- Standard orientation: LG270.

APPLICATIONS

Designed for inline installation, they are suitable for:

- Corrosive air transport.
- Chemical and petrochemical industry.
- Laboratories and gas cabinets.
- Maximum temperature of transported air: if it is clean air 70°C, other depends on the gas (see table in documentation).

UNDER REQUEST

- Single phase motors (up to 1,5kW).
- 2 speed motors.
- Motors with PTC/PTO temperature probes.
- Stainless steel motor support.
- Casing made of PP.
- Orientations: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180, LG225, LG315.

CARACTERÍSTICAS CONSTRUCTIVAS

- Carcasa fabricada en plástico PE.
- Turbina a acción en plástico PP.
- Soporte motor fabricado en chapa de acero recubierto contra la corrosión en polvo de resina epoxy.
- Tornillería en acero inoxidable
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230/400V 50Hz.
- Orientación estándar: LG270.

APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Transporte de aire con componentes corrosivos.
- Industria química y petroquímica.
- Laboratorios y vitrinas de gases.
- Temperatura máxima del aire transportado: si es aire limpio a 70°C, otros dependerá del gas (consulte la tabla en la documentación).

BAJO DEMANDA

- Motores monofásicos (hasta 1,5kW).
- Motores 2 velocidades.
- Motores con sondas de temperatura PTC/PTO.
- Pie soporte en acero inoxidable.
- Carcasa en PP
- Orientación: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180, LG225, LG315.

ACCESSORIES | ACCESORIOS



INT pg.434

Safety switch.
Interrupor de corte.



SFC pg.433

Frequency speed controller.
Variador de velocidad frecuencial.



BA-400 pg.416

Anti-vibrating flange 400º/2h. flexible.
Brida antivibratoria 400º/2h.



JE 45 pg.416

Flexible joint.
Junta elástica.



AVR pg.422

Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



AVS pg.423

Spring anti-vibration blocks.
Amortiguador de muelles.



SIL-C pg.426

Duct circular silencer.
Silenciador circular conducto.

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | Rated R.P.M. | Rated I (A) | | Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|-----------|-------------------|--------------|-------------|------|-------------|---------------|---------------|-----------|----------|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I máx. (A) | | Potencia kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 502302014 | MBPC 20 T2 0,25kW | 2710 | 0,71 | 1,2 | 0,25 | 620 | 68 | 9 | 703,90 |
| 502302517 | MBPC 25 T2 0,75kW | 2840 | 1,75 | 3 | 0,75 | 1.230 | 74 | 13 | 924,70 |
| 502302818 | MBPC 28 T2 1,1kW | 2850 | 2,42 | 4,2 | 1,1 | 1.700 | 78 | 19 | 1.125,50 |
| 502303119 | MBPC 31 T2 1,5kW | 2850 | 3,2 | 5,5 | 1,5 | 2.710 | 83 | 26 | 1.360,90 |
| 502303527 | MBPC 35 T2 2,2kW | 2860 | 4,54 | 7,9 | 2,2 | 2.710 | 81 | 50 | 2.229,50 |
| 502302039 | MBPC 20 T4 0,12kW | 1360 | 0,55 | 1 | 0,12 | 320 | 52 | 9 | 699,30 |
| 502302540 | MBPC 25 T4 0,18kW | 1310 | 0,7 | 1,2 | 0,18 | 630 | 58 | 10 | 811,10 |
| 502302840 | MBPC 28 T4 0,18kW | 1310 | 0,7 | 1,2 | 0,18 | 870 | 62 | 14 | 990,80 |
| 502303141 | MBPC 31 T4 0,25kW | 1350 | 0,8 | 1,4 | 0,25 | 1.520 | 67 | 19 | 1.162,10 |
| 502303542 | MBPC 35 T4 0,37kW | 1370 | 1,1 | 1,9 | 0,37 | 2.110 | 65 | 40 | 2.175,20 |
| 502304044 | MBPC 40 T4 0,75kW | 1410 | 1,79 | 3,1 | 0,75 | 2.560 | 70 | 33 | 1.625,10 |
| 502304545 | MBPC 45 T4 1,5kW | 1420 | 3,31 | 5,7 | 1,5 | 3.900 | 72 | 65 | 4.286,00 |
| 502305054 | MBPC 50 T4 2,2kW | 1440 | 4,83 | 8,4 | 2,2 | 5.250 | 75 | 100 | 5.530,20 |
| 502305661 | MBPC 56 T4 5,5kW | 1450 | 10,9 | - | 5,5 | 8.990 | 77 | 115 | 7.091,60 |
| 502303167 | MBPC 31 T6 0,12kW | 850 | 0,62 | 1,1 | 0,12 | 1.000 | 57 | 19 | 1.182,10 |
| 502304069 | MBPC 40 T6 0,25kW | 900 | 0,87 | 1,5 | 0,25 | 1.680 | 58 | 30 | 1.564,10 |
| 502305072 | MBPC 50 T6 0,75kW | 925 | 2,01 | 3,5 | 0,75 | 3.440 | 64 | 90 | 5.193,40 |
| 502305678 | MBPC 56 T6 2,2kW | 945 | 5,12 | 8,9 | 2,2 | 5.900 | 67 | 95 | 6.665,30 |

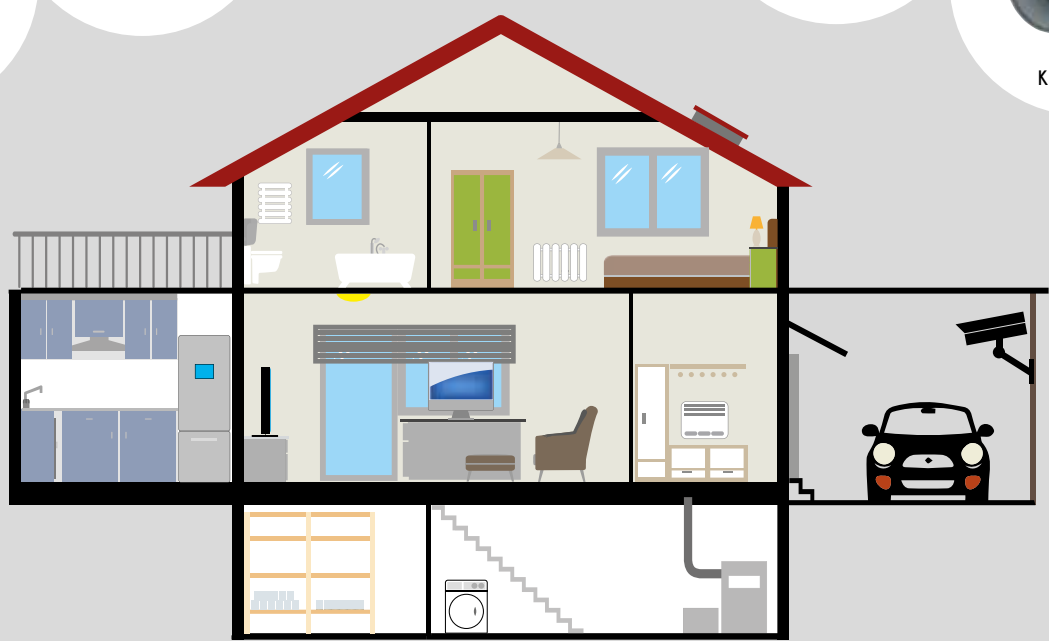
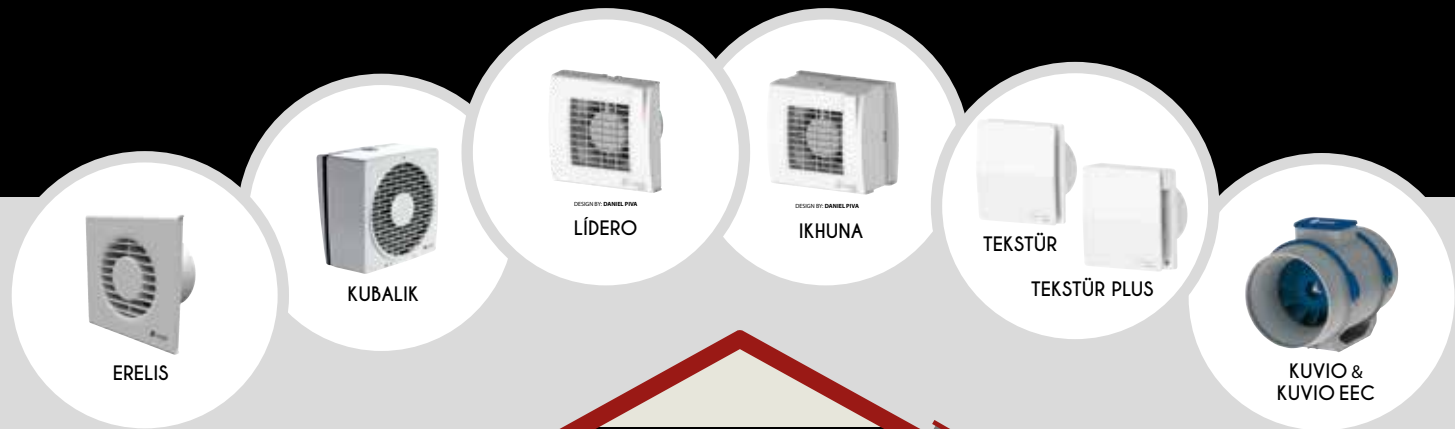
ACCESSORIES FOR MBPC | ACCESORIOS PARA MBPC

| Application model | Ø inlet / outlet | R.R.P. / P.V.P € | | | | | | | |
|-------------------|--------------------------|------------------|--------|--------|--------|-------|-------|--------|--|
| | | FJ | DG | CSC | AV | PD | RPI | WS | |
| Modelo a aplicar | Ø aspiración / impulsión | | | | | | | | |
| MBPC 20 | 125 | 33,30 | 81,40 | 155,40 | 33,30 | 18,50 | 40,70 | 147,90 | |
| MBPC 25 | 160 | 44,40 | 96,20 | 184,90 | 33,30 | 18,50 | 44,40 | 147,90 | |
| MBPC 28 | 180 | 48,00 | 107,20 | 210,70 | 33,30 | 18,50 | 48,00 | 147,90 | |
| MBPC 31 | 200 | 51,80 | 125,80 | 229,30 | 44,40 | 18,50 | 48,00 | 147,90 | |
| MBPC 40 | 250 | 62,80 | 170,10 | 295,80 | 44,40 | 18,50 | 59,20 | 147,90 | |
| MBPC 45 | 280 | 66,60 | 181,20 | 318,00 | 44,40 | 18,50 | 66,60 | 147,90 | |
| MBPC 50 | 315 | 74,00 | 188,60 | 336,50 | 103,50 | 59,20 | 81,40 | - | |
| MBPC 56 | 400 | 92,40 | 266,20 | 395,70 | 103,50 | 59,20 | - | - | |

FJ = Flexible joint/ Junta flexible DG = Diffusor with grid/ Difusor con rejilla CSC = Gravity shutter/ Compuerta sobrepresión circular AV = Anti-vibration mounts kit/ Kit soporte anti-vibración PD = Drain plug/ Tapón de drenaje RPI = Stainless protection grid/ Rejilla de protección inoxidable WS = Wall bracket/ Soporte para pared

NEW

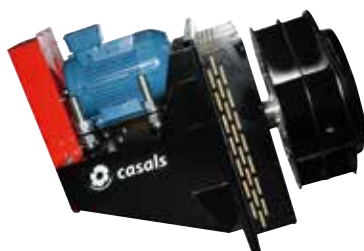
RESIDENTIAL RANGE
GAMA RESIDENCIAL



CLIBOS-TR

Backward centrifugal fan for high temperature

Centrífugo a reacción para altas temperaturas



MANUFACTURING FEATURES

- Belt driven centrifugal medium pressure fan, type plug fan.
- Insulated casing made of carbon laminated steel, protected against corrosion with black heat-resistant paint coating. Finish C4.
- Thermal insulation with high density rock wool, 90Kg/m³, thickness 150mm and 200mm.
- Self-cleaning and reinforced impeller with high-performance backward (reaction) blades made of carbon laminated steel dynamically balanced to minimize noise and vibrations. Black colour heat-resistant painting.
- Transmission assembly with protections according to ISO 13857 standard.
- High efficiency belt without maintenance.
- Heavy duty bearings.
- IE3 motor for continuous operation (S1). Squirrel cage standardized asynchronous IEC motor with IP-55 protection and class F electrical insulation. Standard voltages 230/400V 50Hz for three-phase motors up to 4kW and 400/690V 50Hz for higher powers.
- Motor support (B3) on a bench.
- Maximum continuous working temperature: environment 60°C.
- Suitable for transferring gases from -40°C to 350°C continuously due to cooling impeller.

APPLICATIONS

Plug fan installation for the recirculation of hot gases in:

- Ovens.
- Boilers.
- Paint booths.
- Drying of: tobacco, barley, ceramics, glass, wood.
- Insulated thermal cameras subjected to a temperature control.
- Burners and incinerators.
- Melting furnaces.

UNDER REQUEST

- Fans for special voltages.
- 2 speed motor.
- Non-sparking construction.
- Manufacture in special steels for work up to 550°C in continuous.
- Other insulation thicknesses.
- Other construction sizes.
- Execution to work vertically.
- Protection against corrosion C5.
- Inox 304.
- Inox 316.
- Other motors according to customer requirements.

This is a belt driven range, each model can be manufactured at different rpm, in case of order should be indicated the desired rpm for the correct operation of the unit and according to the needs.

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador centrífugo de media presión a transmisión tipo plug fan.
- Cajón aislado fabricado en acero laminado al carbono, protegida contra la corrosión mediante recubrimiento de pintura anticorrosiva negra. Acabado C4.
- Aislamiento térmico con lana de roca de alta densidad, 90Kg/m³, espesor 150mm y 200mm.
- Turbina autolimpiante y rodete reforzado de álabes hacia atrás (a reacción) de alto rendimiento fabricado en acero laminado al carbono equilibrado dinámicamente para minimizar el ruido y las vibraciones. Pintura anticorrosiva de color negro.
- Conjunto transmisión con protecciones según norma ISO 13857.
- Correa de alta eficiencia sin mantenimiento.
- Rodamientos heavy duty.
- Motor IE3 para funcionamiento en continuo (S1). Motor IEC asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento eléctrico con protección IP-55 y aislamiento eléctrico clase F Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Motor con patas (B3) soportado sobre bancada.
- Temperatura máxima de trabajo en continuo de aire ambiente: 60°C.
- Apto para trasegar gases desde -40°C hasta 350°C en continuo gracias al rodete de refrigeración.

APLICACIONES

Instalación tipo plug fan para la recirculación de gases calientes en:

- Hornos.
- Calderas.
- Cabinas de pintura.
- Secaderos de: tabaco, cebada, cerámica, vidrio, madera.
- Cámaras térmicas aisladas sometidas a un control de temperatura.
- Quemadores e incineradoras.
- Hornos de fusión.

BAJO DEMANDA

- Ventiladores para voltajes especiales.
- Motor 2 velocidades.
- Construcción antichispas.
- Fabricación en aceros especiales para trabajo hasta 550°C en continuo.
- Otros espesores de aislamiento.
- Otros tamaños constructivos.
- Ejecución para trabajar en vertical.
- Protección contra la corrosión C5.
- Inox 304.
- Inox 316.
- Otras motorizaciones según requerimientos del cliente.

Esta gama es a transmisión, cada modelo se puede fabricar a distintas rpm, en caso de pedido se debe indicar las rpm a las que desea el equipo para que el modelo quede correctamente definido y sea adecuado a sus necesidades.

ACCESSORIES | ACCESORIOS

INT pg.434
 Safety switch.
 Interruptor de corte.

SFC pg.433
 Frequency speed controller.
 Variador de velocidad
 frecuencial.

CLBI pg.420
 Inlet for PLUG FAN in cabinet.
 Boca de aspiración para PLUG
 FAN en cabina

CLBC pg.425
 Inlet for PLUG FAN in cabinet.
 Boca de aspiración para PLUG FAN
 en cabina

THREE PHASE RANGE | SERIE TRIFÁSICA

| Model Modelo | Power Potencia (kW) | | | | | | | | | |
|------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 |
| CLIBOS-TR 452 T4 | 3.454,70 | 3.542,40 | 3.723,50 | 3.971,90 | | | | | | |
| CLIBOS-TR 502 T4 | | 3.642,80 | 3.823,90 | 4.072,30 | 4.240,90 | | | | | |
| CLIBOS-TR 562 T4 | | 3.805,80 | 3.986,90 | 4.235,30 | 4.403,90 | 5.620,30 | | | | |
| CLIBOS-TR 632 T4 | | | 4.055,00 | 4.298,90 | 4.464,50 | 5.658,70 | 5.893,60 | | | |
| CLIBOS-TR 712 T4 | | | | 4.672,20 | 4.837,80 | 6.031,90 | 6.266,70 | 6.475,60 | | |
| CLIBOS-TR 802 T4 | | | | | 5.021,60 | 6.215,70 | 6.450,60 | 6.659,50 | 7.121,50 | 7.320,50 |



> IKHUNA <
 > 100/120/150



Designed by: DANIEL PIVA

> EXTRACTOR PARA VENTANA
 CON PERSIANA AUTOMÁTICA
 ANTIRRETORNO <

> WINDOW EXTRACTOR
 WITH AUTOMATIC BACKDRAUGHT
 SHUTTER <

BSTB

Single inlet, free shaft without motor

Simple aspiración, eje libre sin motor



MANUFACTURING FEATURES

- Fully made of galvanised steel sheet.
- Single inlet backward curved impeller in all models.
- Belt driven shaft with anticorrosion treatment.

APPLICATIONS

Designed for assembly in equipment:

- Ventilation boxes and air handling units.
- Centrifugal heaters.
- Industrial and professional kitchen hoods.
- Maximum working temperature: carried air 130°C; environment 60°C

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventiladores totalmente fabricados en acero.
- Turbina de álabes curvados hacia atrás de simple oído.
- Eje de transmisión con tratamiento anticorrosión

APLICACIONES

Diseñados para ser integrados en equipos:

- Cajas de ventilación y unidades de tratamiento de aire.
- Aerotermos centrifugos.
- Campanas de cocina industriales y profesionales.
- Temperatura máxima de trabajo en continuo: aire transportado 130°C, ambiente 60°C.

ACCESSORIES | ACCESORIOS



SIL-C pg.426

Duct circular silencer.
Silenciador circular conducto.



BA-400 pg.416

Anti-vibrating flange 400º/2h. flexible.
Brida antivibratoria 400º/2h.



JE 45 pg.416

Flexible joint.
Junta elástica.

| Code | Model | R.P.M. | Máx. Power kW | Air flow m ³ /h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|----------|-----------|---------------|----------------------------|---------------|-----------|----------|
| Código | Modelo | R.P.M. | Pot. máx. kW | Q máx. m ³ /h | Sonido dB (A) | Peso Kg | P.V.P € |
| 300784400 | BSTB 315 | 1400/3250 | 3 | 5.500 | 69 | 63 | 484,60 |
| 300784500 | BSTB 355 | 1300/2900 | 3 | 7.000 | 68 | 64 | 575,40 |
| 300784600 | BSTB 400 | 1200/2800 | 4 | 8.700 | 74 | 66 | 718,00 |
| 300784700 | BSTB 450 | 1200/2800 | 7,5 | 13.000 | 79 | 93 | 923,70 |
| 300784800 | BSTB 500 | 900/2500 | 7,5 | 14.300 | 78 | 116 | 1.114,40 |
| 300822600 | BSTB 560 | 800/2200 | 11 | 19.100 | 79 | 146 | 1.503,30 |
| 300822700 | BSTB 630 | 800/1900 | 15 | 24.170 | 79 | 185 | 1.619,40 |
| 300822800 | BSTB 710 | 600/1800 | 18,5 | 29.390 | 79 | 223 | 1.995,00 |

BSTB-M

Backward double inlet impeller belt driven

Ventilador a reacción simple aspiración con motor y transmisión



MANUFACTURING FEATURES

- Fully made of galvanised steel sheet.
- Simple inlet, backward impeller with self-cleaning system.
- Belt driven shaft with anticorrosion treatment.
- Supplied with motor, belts and pulleys.
- Standard asynchronous squirrel-cage motor with IP-55 protection and Class F insulation. Manufactured with standard voltages: 230/400V 50Hz in three phase motors up to 4kW and 400/690V 50Hz for higher powers.
- Fan supplied without transmission protection.

APPLICATIONS

Designed for assembly in equipment:

- Ventilation boxes and air handling units.
- Centrifugal heaters.
- Industrial and professional kitchen hoods.
- Maximum working temperature: carried air 130°C; environment 60°C.

UNDER REQUEST

- Fan with transmission protection.

This is a belt driven range, each model can be manufactured at different rpm, in case of order should be indicated the desired rpm for the correct operation of the unit and according to the needs.

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventiladores totalmente fabricados en acero.
- Ventilador centrífugo con sistema autolimpiante y rodete de álabes hacia atrás (a reacción) de simple oído.
- Eje de transmisión con tratamiento anticorrosión.
- El ventilador se suministra con motor y transmisión.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Ventilador suministrado sin protecciones en la transmisión.

APLICACIONES

Diseñados para ser integrados en equipos:

- Cajas de ventilación y unidades de tratamiento de aire.
- Aerotermos centrífugos.
- Campanas de cocina industriales y profesionales.
- Temperatura máxima de trabajo en continuo: aire transportado 130°C, ambiente 60°C.

BAJO DEMANDA

- Ventilador con protecciones para la transmisión.

Esta gama es a transmisión, cada modelo se puede fabricar a distintas rpm, en caso de pedido se debe indicar las rpm a las que desea el equipo para que el modelo quede correctamente definido y sea adecuado a sus necesidades.

ACCESSORIES | ACCESORIOS



INT pg.434
Safety switch.
Interruptor de corte.



SIL-C pg.426
Duct circular silencer.
Silenciador circular conducto.



BA-400 pg.416
Anti-vibrating flange 400°/2h. flexible.
Brida antivibratoria 400°/2h.



JE 45 pg.416
Flexible joint.
Junta elástica.

THREE PHASE RANGE | SERIE TRIFÁSICA

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | |
|-------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 |
| BSTB-M 355 | 1.249,30 | 1.265,40 | 1.269,80 | 1.310,10 | 1.351,70 | 1.441,70 | 1.522,20 | | | | | | | |
| BSTB-M 400 | | 1.488,00 | 1.492,60 | 1.532,60 | 1.574,30 | 1.664,20 | 1.744,80 | 1.864,00 | | | | | | |
| BSTB-M 450 | | | 1.828,80 | 1.869,00 | 1.910,70 | 2.000,60 | 2.081,20 | 2.200,20 | 2.381,20 | 2.536,30 | 2.853,30 | | | |
| BSTB-M 500 | | | | 2.153,60 | 2.195,30 | 2.285,20 | 2.365,80 | 2.484,80 | 2.665,80 | 2.820,90 | 3.137,80 | | | |
| BSTB-M 560 | | | | | 2.800,30 | 2.890,10 | 2.970,80 | 3.089,90 | 3.270,70 | 3.425,90 | 3.742,80 | 3.915,40 | | |
| BSTB-M 630 | | | | | | 3.231,60 | 3.312,20 | 3.431,30 | 3.612,40 | 3.767,30 | 4.084,20 | 4.256,90 | 4.452,30 | |
| BSTB-M 710 | | | | | | | 4.046,30 | 4.165,50 | 4.346,40 | 4.501,50 | 4.818,40 | 4.991,10 | 5.186,50 | 5.619,10 |

MT

Forward impeller, free shaft without motor
Turbina acción, eje libre sin motor



MANUFACTURING FEATURES

- Rolling steel sheet housing.
- Completely joined or welded housing.
- Galvanised steel sheet single inlet forward curved impeller.
- The fan is supplied in standard execution to "free shaft", i.e. without motor, pulleys or belts.
- Epoxy powder finishing coat.
- Default assembly orientation is LG270.

APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, air extraction or injection.
- Cooling of machines and parts.
- Clean air transport.
- Maximum working temperature: carried air 200°C, environment: 60°C.

UNDER REQUEST

- Fans for air working temperatures up to 250°C.
- Orientations: LG 0, LG 45, LG 90, LG 135, LG 180, LG 225, LG 315, RD 0, RD 45, RD 90, RD 135, RD 180, RD 225, RD 270, RD 315.

CARACTERÍSTICAS CONSTRUCTIVAS

- Carcasa fabricada en chapa de acero laminado.
- Carcasa totalmente soldada o engatillada.
- Turbina multipala de álabes curvados hacia adelante de simple aspiración fabricada en chapa galvanizada.
- El ventilador se suministrará en ejecución estándar a "eje libre", es decir sin motor, poleas ni correas.
- Protegidos contra la corrosión mediante recubrimiento en polvo de resina epoxy.
- Orientación estándar LG270.

APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Transporte de aire limpio.
- Temperatura máxima de trabajo en continuo: aire transportado: 200°C, ambiente: 60°C.

BAJO DEMANDA

- Ventilador preparado para aire hasta 250°C.
- Orientaciones: LG 0, LG 45, LG 90, LG 135, LG 180, LG 225, LG 315, RD 0, RD 45, RD 90, RD 135, RD 180, RD 225, RD 270, RD 315.

ACCESSORIES | ACCESORIOS



RA pg.400
Inlet protection guard.
Rejilla aspiración.



AC pg.411
Connexion flange.
Brida de conexión.



AVR pg.422
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



AVS pg.423
Spring anti-vibration blocks.
Amortiguador de muelles.



JE 45 pg.416
Flexible joint.
Junta elástica.



SIL-C pg.426
Duct circular silencer.
Silenciador circular conducto.



EI pg.412
Outlet flange.
Embocadura impulsión.



BAD pg.416
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



BA-400 pg.416
Anti-vibrating flange 400º/2h.
flexible.
Brida antivibratoria 400º/2h.



AB pg.425
Acoustic cabins for Casals centrifugal fans.
Cabinas acústicas para ventiladores centrífugos Casals



RBS pg.400
Outlet protection guard.
Rejilla boca de salida.

| Code | Model | R.P.M. | Máx. power kW | Air flow m³/h | Weight Kg | R.R.P. € |
|-----------|----------|-----------|------------------|---------------|-----------|----------|
| Código | Modelo | R.P.M. | Potencia máx. kW | Q máx. m³/h | Peso Kg | P.V.P. € |
| 254120160 | MT 22/9 | 1100/3400 | 3 | 4.590 | 18 | 778,00 |
| 254180160 | MT 25/10 | 900/3000 | 4 | 5.850 | 24 | 885,50 |
| 254210160 | MT 28/11 | 950/2850 | 5,5 | 7.170 | 27 | 953,90 |
| 254230160 | MT 31/12 | 750/2400 | 7,5 | 8.990 | 40 | 1.473,90 |
| 254330160 | MT 35/14 | 1000/1900 | 7,5 | 11.470 | 56 | 1.678,90 |
| 254370160 | MT 40/16 | 650/1650 | 11 | 14.400 | 71 | 1.887,40 |
| 254420160 | MT 45/18 | 750/1500 | 11 | 18.520 | 85 | 2.063,10 |
| 254540160 | MT 63/25 | 400/950 | 22 | 36.250 | 115 | 4.419,50 |

Different configurations of free shaft without motor or belt driven motor Eje libre sin motor o motor a transmisión en diferentes configuraciones



MTCA



MTRL



MTRM



MTRU



MTGR



MTZM P/R



MANUFACTURING FEATURES

- Rolling steel sheet housing, fully welded and protected against corrosion with epoxy powder finishing coat.
- Forward models (MTCA) with galvanized sheet impeller, and backward models (rest of series) with sheet steel impeller protected against corrosion by epoxy resin coating.
- The fan is supplied with free axle (sist.1), that is: without motor, pulleys or belts or with motor and transmission set (syst.9 and 12).
- For models with motor: standard squirrel cage asynchronous motor with IP-55 protection and class F insulation. Standard voltages 230/400V 50Hz for three-phase motors up to 4kW and 400/690V 50Hz for higher powers.
- Optional front support up to size 500, size 560 and upper front support is included.

APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, air extraction or injection.
- Cooling of machines and parts.
- Clean air and pneumatic transport.
- Clean air or slightly dusty air transport (MTCA and MTRL).
- Transport of dusty air or with low load of granulated materials (MTRM y MTRU).
- Solid material transport and textile fibers (MTGR and MTZM P/R).

UNDER REQUEST

- Fully equipped fans including motor, pulleys, belts, belts guard and shaft guard. Assembled on a base plate.
- Spark-proof fans standard motor.
- Fans for air working temperatures up to 250°C, 300°C or 450°C.
- Hot-dipped galvanized or stainless steel fans.
- With cooling impeller.

This is a belt driven range, each model can be manufactured at different rpm, in case of order should be indicated the desired rpm for the correct operation of the unit and according to the needs.

CARACTERÍSTICAS CONSTRUCTIVAS

- Carcasa fabricada en chapa de acero laminado totalmente soldada y protegida contra la corrosión mediante recubrimiento en polvo de resina epoxy.
- Turbina de chapa galvanizada para modelos a acción (MTCA) o de chapa de acero para los de reacción (resto de series) protegida contra la corrosión mediante recubrimiento de resina epoxy.
- El ventilador se suministra a eje libre (sist.1), es decir: sin motor, poleas ni correas o con motor y conjunto de transmisión (sist.9 y 12).
- Para modelos con motor: motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Pie delantero opcional hasta tamaño 500, tamaño 560 y superiores pie delantero incluido.

APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Aire limpio y transporte neumático.
- Transporte de aire limpio o ligeramente polvoriento (MTCA y MTRL).
- Transporte de aire polvoriento o con ligera carga de materiales granulados (MTRM y MTRU).
- Transporte de materia sólida y fibra textil (MTGR y MTZM P/R).

BAJO DEMANDA

- Ventiladores completos que incluyen: motor, poleas, correas, protector de correas y de eje. Montados sobre bancada general.
- Ventiladores antichispas con motor estándar.
- Ventilador para aire hasta 250°C, 300°C o 450°C.
- Ventiladores fabricados en chapa galvanizada en caliente o acero inoxidable.
- Con rodete de refrigeración.

Esta gama es a transmisión, cada modelo se puede fabricar a distintas rpm, en caso de pedido se debe indicar las rpm a las que desea el equipo para que el modelo quede correctamente definido y sea adecuado a sus necesidades.

ATEX OPTIONS UNDER REQUEST | OPCIONES ATEX BAJO DEMANDA

Three-phase MOTOR explosion-proof under the ATEX 2014/34/EU Directive for working temperatures from -20°C to +40°C.

MOTORES trifásicos antiexplosivos bajo Directiva ATEX 2014/34/UE para temperaturas de trabajo de -20°C a +40°C.

- ATEX Explosion-proof for GAS | ATEX Antideflagrantes para GAS

ⓂI12G Ex-d IIB T4 IP66

ⓂI12G Ex-d IIC T4 IP66 (OPTIONAL PTC PROBE | Sonda PTC OPCIONAL)

ⓂI12G Ex-d IIC T5 IP66

- ATEX Increased security for GAS | ATEX Seguridad aumentada para GAS:

ⓂI12G Ex-e T3 IP55

- ATEX Protection "n" for GAS | ATEX Protección "n" para GAS:

ⓂI13G Ex-nA IIC T4 Gc

- ATEX Protection "n" for GAS and NON-CONDUCTIVE DUST |

ATEX Protección "n" para GAS y POLVO NO CONDUCTOR:

ⓂI13GD Ex-Na IIC T4 Gc Ex-tc IIB T125° IP55 ZONA 22

- ATEX Explosion-proof for GAS and DUST | ATEX Antideflagrantes para GAS y POLVO:

ⓂI12GD Ex-d IIC T4 IP66

ⓂI12GD Ex-d IIC T5 IP66

- ATEX Increased security for DUST | ATEX Seguridad aumentada para POLVO:

ⓂI13D Ex-e Dc

- ATEX Protection by enclosure for DRIVER DUST | ATEX Protección por recinto

para POLVO CONDUCTOR:

ⓂI13D Ex-tc IIC T125° Dc IP55 ZONA 22

To carry out the selection of an ATEX fan, please use the curves that you will find in the Fanware by Casals selection software. The electrical data of these ATEX models can be modified.

Para llevar a cabo la selección de un ventilador ATEX, por favor use las curvas que encontrará en el programa de selección Fanware by Casals. Los datos eléctricos de estos Modelos ATEX pueden verse modificados.

ACCESSORIES | ACCESORIOS



INT pg.434
Safety switch.
Interrupción de corte.



SFC pg.433
Frequency speed controller.
Variador de velocidad frecuencia.



RA pg.400
Inlet protection guard.
Rejilla aspiración.



AC pg.411
Connexion flange.
Brida de conexión.



JE 45 pg.416
Flexible joint.
Junta elástica.



SIL-C pg.426
Duct circular silencer.
Silenciador circular conducto.



EI pg.412
Outlet flange.
Embocadura impulsión.



BAD pg.416
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



BA-400 pg.416
Anti-vibrating flange 400º/2h.
flexible.
Brida antivibratoria 400º/2h.



FS pg.409
Front support for medium and high pressure fans
Pie soporte delantero para ventiladores de media y alta presión



AB pg.425
Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals



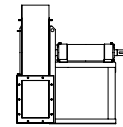
RI pg.398
Outlet guard.
Reja impulsión.



AVR pg.422
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



AVS pg.423
Spring anti-vibration blocks.
Amortiguador de muelles.



FAN EXECUTION 1 (FREE SHAFT) | VENTILADOR SISTEMA 1 (EJE LIBRE SIN BANCADA)

MTCA - Centrifugal belt driven fan to move clean air | Ventilador centrífugo a transmisión para mover aire limpio

| Code | Model | Máx. R.P.M. | Máx. power kW | Air flow m ³ /h | Sound dB (A) | Weight Kg | R.R.P € |
|-----------|-------------------|-------------|------------------|----------------------------|---------------|-----------|----------|
| Código | Modelo | RPM máx. | Potencia máx. kW | Q máx. m ³ /h | Sonido dB (A) | Peso Kg | P.V.P € |
| 503602200 | MTCA 220 (sist 1) | 3500 | 2,2 | 3.390 | 63 | (s.1) 27 | 1.167,60 |
| 503602500 | MTCA 250 (sist 1) | 3300 | 3 | 4.390 | 65 | (s.1) 31 | 1.333,40 |
| 503602800 | MTCA 280 (sist 1) | 2600 | 3 | 4.900 | 61 | (s.1) 36 | 1.499,40 |
| 503603100 | MTCA 310 (sist 1) | 2400 | 4 | 6.280 | 67 | (s.1) 45 | 1.608,60 |
| 503603500 | MTCA 350 (sist 1) | 2200 | 4 | 7.700 | 68 | (s.1) 73 | 1.764,00 |
| 503604000 | MTCA 400 (sist 1) | 2100 | 15 | 14.660 | 71 | (s.1) 88 | 1.927,70 |
| 503604500 | MTCA 450 (sist 1) | 1800 | 15 | 17.840 | 71 | (s.1) 100 | 2.131,50 |
| 503605000 | MTCA 500 (sist 1) | 1700 | 22 | 22.220 | 72 | (s.1) 120 | 2.656,40 |
| 503605600 | MTCA 560 (sist 1) | 1500 | 30 | 30.330 | 69 | (s.1) 182 | 3.143,60 |
| 503606300 | MTCA 630 (sist 1) | 1300 | 30 | 34.040 | 71 | (s.1) 223 | 3.786,10 |

MTRL - Centrifugal belt driven fan, for clean or slightly dusty air | Ventilador centrífugo a transmisión, para aire limpio o ligeramente polvoriento

| Code | Model | Máx. R.P.M. | Máx. power kW | Air flow m ³ /h | Sound dB (A) | Weight Kg | R.R.P € |
|-----------|--------------------|-------------|------------------|----------------------------|---------------|------------|--------------------|
| Código | Modelo | RPM máx. | Potencia máx. kW | Q máx. m ³ /h | Sonido dB (A) | Peso Kg | P.V.P € |
| 503402500 | MTRL 250 (sist 1) | 3500 | 3 | 2.960 | 60 | (s.1) 32 | 1.260,00 |
| 503402800 | MTRL 280 (sist 1) | 3500 | 3 | 3.800 | 64 | (s.1) 46 | 1.438,40 |
| 503403100 | MTRL 310 (sist 1) | 3500 | 4 | 6.120 | 65 | (s.1) 50 | 1.617,00 |
| 503403500 | MTRL 350 (sist 1) | 3500 | 4 | 7.960 | 69 | (s.1) 76 | 2.013,90 |
| 503404000 | MTRL 400 (sist 1) | 3500 | 11 | 12.125 | 73 | (s.1) 92 | 2.188,20 |
| 503404500 | MTRL 450 (sist 1) | 3300 | 15 | 16.470 | 77 | (s.1) 105 | 2.362,50 |
| 503405000 | MTRL 500 (sist 1) | 3000 | 15 | 17.820 | 77 | (s.1) 145 | 2.879,00 |
| 503405600 | MTRL 560 (sist 1) | 2600 | 22 | 25.570 | 78 | (s.1) 196 | 3.277,90 |
| 503406300 | MTRL 630 (sist 1) | 2300 | 22 | 32.775 | 77 | (s.1) 239 | 3.857,70 |
| 503407100 | MTRL 710 (sist 1) | 2100 | 37 | 43.820 | 78 | (s.1) 360 | 5.140,60 |
| 503408000 | MTRL 800 (sist 1) | 1900 | 45 | 52.910 | 79 | (s.1) 442 | 6.054,10 |
| 503409000 | MTRL 900 (sist 1) | 1700 | 55 | 66.725 | 80 | (s.1) 570 | 7.087,30 |
| 503410000 | MTRL 1000 (sist 1) | 1400 | 55 | 74.170 | 78 | (s.1) 800 | 8.666,50 |
| 503411200 | MTRL 1120 (sist 1) | 1300 | 90 | 105.600 | 79 | (s.1) 1065 | Consult Consultar |
| 503412500 | MTRL 1250 (sist 1) | 1150 | 90 | 117.000 | 80 | (s.1) 1258 | Consult Consultar |
| 503414000 | MTRL 1400 (sist 1) | 1050 | 132 | 158.510 | 80 | (s.1) 1712 | Consult Consultar |
| 503416000 | MTRL 1600 (sist 1) | 950 | 160 | 200.000 | 81 | (s.1) 2363 | Consult Consultar |
| 503418000 | MTRL 1800 (sist 1) | 800 | 200 | 250.730 | 80 | (s.1) 2912 | Consult Consultar |
| 503420000 | MTRL 2000 (sist 1) | 800 | 315 | 344.500 | 79 | (s.1) 3413 | Consult Consultar |

MTRM - Centrifugal belt driven fan, for clean or dusty air | Ventilador centrífugo a transmisión, para aire limpio o polvoriento

| Code | Model | Máx. R.P.M. | Máx. power kW | Air flow m ³ /h | Sound dB (A) | Weight Kg | R.R.P € |
|-----------|-------------------|-------------|------------------|----------------------------|---------------|-----------|----------|
| Código | Modelo | RPM máx. | Potencia máx. kW | Q máx. m ³ /h | Sonido dB (A) | Peso Kg | P.V.P € |
| 503202200 | MTRM 220 (sist 1) | 3500 | 1,1 | 1.000 | 50 | (s.1) 20 | 957,50 |
| 503202500 | MTRM 250 (sist 1) | 3500 | 1,5 | 1.560 | 56 | (s.1) 25 | 1.098,20 |
| 503202800 | MTRM 280 (sist 1) | 3500 | 2,2 | 2.180 | 59 | (s.1) 40 | 1.257,80 |
| 503203100 | MTRM 310 (sist 1) | 3500 | 4 | 3.080 | 61 | (s.1) 45 | 1.331,40 |
| 503203500 | MTRM 350 (sist 1) | 3500 | 4 | 4.200 | 65 | (s.1) 75 | 1.646,30 |
| 503204000 | MTRM 400 (sist 1) | 3500 | 5,5 | 7.160 | 68 | (s.1) 86 | 1.812,30 |
| 503204500 | MTRM 450 (sist 1) | 3500 | 9 | 8.910 | 71 | (s.1) 98 | 2.024,40 |
| 503205000 | MTRM 500 (sist 1) | 3150 | 11 | 13.400 | 74 | (s.1) 115 | 2.467,30 |
| 503205600 | MTRM 560 (sist 1) | 2950 | 18,5 | 18.250 | 76 | (s.1) 194 | 3.099,50 |
| 503206300 | MTRM 630 (sist 1) | 2500 | 22 | 19.200 | 74 | (s.1) 229 | 3.748,40 |
| 503207100 | MTRM 710 (sist 1) | 2250 | 22 | 23.350 | 75 | (s.1) 346 | 4.779,40 |

| Code | Model | Máx. R.P.M. | Máx. power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|--------------------|-------------|------------------|---------------|---------------|------------|-------------------|
| Código | Modelo | RPM máx. | Potencia máx. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 503208000 | MTRM 800 (sist 1) | 2000 | 37 | 32.510 | 75 | (s.1) 421 | 5.323,30 |
| 503209000 | MTRM 900 (sist 1) | 1800 | 45 | 40.600 | 76 | (s.1) 517 | 6.665,20 |
| 503210000 | MTRM 1000 (sist 1) | 1600 | 55 | 51.350 | 76 | (s.1) 746 | 8.032,20 |
| 503211200 | MTRM 1120 (sist 1) | 1450 | 75 | 65.050 | 77 | (s.1) 1040 | Consult Consultar |
| 503212500 | MTRM 1250 (sist 1) | 1250 | 75 | 78.600 | 77 | (s.1) 1195 | Consult Consultar |
| 503214000 | MTRM 1400 (sist 1) | 1100 | 90 | 96.320 | 77 | (s.1) 1696 | Consult Consultar |
| 503216000 | MTRM 1600 (sist 1) | 950 | 132 | 130.270 | 77 | (s.1) 2100 | Consult Consultar |
| 503218000 | MTRM 1800 (sist 1) | 900 | 160 | 156.000 | 79 | (s.1) 2740 | Consult Consultar |
| 503220000 | MTRM 2000 (sist 1) | 800 | 200 | 199.700 | 81 | (s.1) 3630 | Consult Consultar |

MTRU - Centrifugal belt driven fan, for clean or dusty air | Ventilador centrífugo a transmisión, para aire limpio o polvoriento

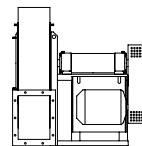
| Code | Model | Máx. R.P.M. | Máx. power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|--------------------|-------------|------------------|---------------|---------------|------------|-------------------|
| Código | Modelo | RPM máx. | Potencia máx. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 503302500 | MTRU 250 (sist 1) | 3500 | 2,2 | 1.180 | 52 | (s.1) 30 | 1.123,50 |
| 503302800 | MTRU 280 (sist 1) | 3500 | 3 | 1.660 | 55 | (s.1) 37 | 1.285,20 |
| 503303100 | MTRU 310 (sist 1) | 3500 | 4 | 2.600 | 57 | (s.1) 55 | 1.362,90 |
| 503303500 | MTRU 350 (sist 1) | 3500 | 4 | 3.570 | 59 | (s.1) 72 | 1.688,30 |
| 503304000 | MTRU 400 (sist 1) | 3500 | 11 | 5.025 | 60 | (s.1) 82 | 1.908,90 |
| 503304500 | MTRU 450 (sist 1) | 3500 | 18,5 | 10.700 | 69 | (s.1) 98 | 2.146,20 |
| 503305000 | MTRU 500 (sist 1) | 3500 | 22 | 13.000 | 71 | (s.1) 135 | 2.612,30 |
| 503305600 | MTRU 560 (sist 1) | 3500 | 30 | 17.950 | 73 | (s.1) 182 | 3.309,40 |
| 503306300 | MTRU 630 (sist 1) | 3200 | 37 | 25.150 | 75 | (s.1) 218 | 4.019,20 |
| 503307100 | MTRU 710 (sist 1) | 2900 | 55 | 34.640 | 72 | (s.1) 325 | 5.113,30 |
| 503308000 | MTRU 800 (sist 1) | 2600 | 75 | 46.650 | 73 | (s.1) 400 | 5.875,60 |
| 503309000 | MTRU 900 (sist 1) | 2300 | 90 | 57.800 | 75 | (s.1) 485 | 7.402,20 |
| 503310000 | MTRU 1000 (sist 1) | 2000 | 90 | 66.150 | 73 | (s.1) 710 | 8.891,10 |
| 503311200 | MTRU 1120 (sist 1) | 1800 | 90 | 68.230 | 74 | (s.1) 1000 | Consult Consultar |
| 503312500 | MTRU 1250 (sist 1) | 1650 | 160 | 95.300 | 76 | (s.1) 1145 | Consult Consultar |
| 503314000 | MTRU 1400 (sist 1) | 1450 | 200 | 121.900 | 78 | (s.1) 1740 | Consult Consultar |
| 503316000 | MTRU 1600 (sist 1) | 1250 | 200 | 141.700 | 73 | (s.1) 2462 | Consult Consultar |
| 503318000 | MTRU 1800 (sist 1) | 1100 | 315 | 192.350 | 74 | (s.1) 2790 | Consult Consultar |
| 503320000 | MTRU 2000 (sist 1) | 950 | 315 | 225.410 | 75 | (s.1) 4300 | Consult Consultar |

MTGR - Centrifugal belt driven fan, for clean or slightly dusty air | Ventilador centrífugo a transmisión, para aire limpio o ligeramente polvoriento

| Code | Model | Máx. R.P.M. | Máx. power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|--------------------|-------------|------------------|---------------|---------------|------------|-------------------|
| Código | Modelo | RPM máx. | Potencia máx. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 503504000 | MTGR 400 (sist 1) | 3500 | 9 | 4.690 | 64 | (s.1) 80 | 1.929,90 |
| 503504500 | MTGR 450 (sist 1) | 3500 | 11 | 6.225 | 71 | (s.1) 95 | 2.127,20 |
| 503505000 | MTGR 500 (sist 1) | 3500 | 15 | 9.320 | 75 | (s.1) 135 | 2.593,40 |
| 503505600 | MTGR 560 (sist 1) | 3500 | 22 | 13.260 | 79 | (s.1) 187 | 3.139,40 |
| 503506300 | MTGR 630 (sist 1) | 3500 | 37 | 18.640 | 81 | (s.1) 218 | 4.053,00 |
| 503507100 | MTGR 710 (sist 1) | 3200 | 55 | 24.900 | 84 | (s.1) 336 | 5.027,30 |
| 503508000 | MTGR 800 (sist 1) | 2900 | 75 | 32.950 | 86 | (s.1) 400 | 5.753,80 |
| 503509000 | MTGR 900 (sist 1) | 2400 | 75 | 38.360 | 88 | (s.1) 489 | 7.106,20 |
| 503510000 | MTGR 1000 (sist 1) | 2200 | 90 | 46.480 | 86 | (s.1) 694 | 8.338,90 |
| 503511200 | MTGR 1120 (sist 1) | 1900 | 90 | 53.660 | 87 | (s.1) 945 | Consult Consultar |
| 503512500 | MTGR 1250 (sist 1) | 1800 | 160 | 76.780 | 90 | (s.1) 1147 | Consult Consultar |
| 503514000 | MTGR 1400 (sist 1) | 1600 | 200 | 95.200 | 92 | (s.1) 1628 | Consult Consultar |
| 503516000 | MTGR 1600 (sist 1) | 1400 | 200 | 111.870 | 91 | (s.1) 1888 | Consult Consultar |
| 503518000 | MTGR 1800 (sist 1) | 1250 | 315 | 150.670 | 92 | (s.1) 2670 | Consult Consultar |
| 503520000 | MTGR 2000 (sist 1) | 1100 | 315 | 179.660 | 100 | (s.1) 3600 | Consult Consultar |

MTZM P/R - Centrifugal belt driven fan for solid material transport | Ventilador centrífugo a transmisión para transporte de material sólido

| Code | Model | Máx. R.P.M. | Máx. power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|------------------------|-------------|------------------|---------------|---------------|-----------|----------|
| Código | Modelo | RPM máx. | Potencia máx. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 503702500 | MTZM 250 P/R (sist 1) | 3500 | 0,75 | 1.520 | 61 | (s.1) 25 | 1.096,10 |
| 503702800 | MTZM 280 P/R (sist 1) | 3500 | 1,5 | 2.240 | 64 | (s.1) 40 | 1.253,70 |
| 503703100 | MTZM 310 P/R (sist 1) | 3500 | 4 | 2.915 | 66 | (s.1) 45 | 1.327,10 |
| 503703500 | MTZM 350 P/R (sist 1) | 3500 | 4 | 4.200 | 69 | (s.1) 75 | 1.640,10 |
| 503704000 | MTZM 400 P/R (sist 1) | 3500 | 9 | 6.580 | 73 | (s.1) 86 | 1.806,00 |
| 503704500 | MTZM 450 P/R (sist 1) | 3500 | 15 | 9.080 | 75 | (s.1) 98 | 1.999,20 |
| 503705000 | MTZM 500 P/R (sist 1) | 3100 | 22 | 12.810 | 76 | (s.1) 115 | 2.448,50 |
| 503705600 | MTZM 560 P/R (sist 1) | 2950 | 30 | 15.020 | 79 | (s.1) 200 | 3.101,60 |
| 503706300 | MTZM 630 P/R (sist 1) | 2550 | 37 | 18.540 | 78 | (s.1) 235 | 3.693,70 |
| 503707100 | MTZM 710 P/R (sist 1) | 2300 | 45 | 22.130 | 79 | (s.1) 350 | 4.624,10 |
| 503708000 | MTZM 800 P/R (sist 1) | 2000 | 55 | 30.350 | 79 | (s.1) 420 | 5.151,20 |
| 503709000 | MTZM 900 P/R (sist 1) | 1750 | 55 | 35.125 | 79 | (s.1) 515 | 6.388,00 |
| 503710000 | MTZM 1000 P/R (sist 1) | 1550 | 90 | 46.750 | 78 | (s.1) 732 | 7.719,30 |



FAN EXECUTION 9 (WITH BACKPACK) | VENTILADOR SISTEMA 9 (CON MOCHILA)

MTCA - Centrifugal belt driven fan to move clean air | Ventilador centrífugo a transmisión para mover aire limpio

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | |
|-------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 |
| MTCA 220 (sist 9) | 2.370,90 | 2.387,00 | 2.391,60 | 2.509,90 | | | | | | | | | | | |
| MTCA 250 (sist 9) | 2.566,00 | 2.582,10 | 2.586,70 | 2.705,00 | 2.746,70 | 3.051,60 | 3.132,10 | | | | | | | | |
| MTCA 280 (sist 9) | 2.781,00 | 2.797,10 | 2.801,60 | 2.920,00 | 2.961,70 | 3.266,60 | 3.347,20 | | | | | | | | |
| MTCA 310 (sist 9) | 2.934,10 | 2.950,20 | 2.954,80 | 3.073,10 | 3.114,80 | 3.419,60 | 3.500,30 | 3.673,30 | | | | | | | |
| MTCA 350 (sist 9) | 3.116,90 | 3.133,00 | 3.137,60 | 3.255,90 | 3.297,60 | 3.602,50 | 3.683,00 | 3.856,10 | | | | | | | |
| MTCA 400 (sist 9) | | | | 3.510,40 | 3.552,10 | 3.856,90 | 3.937,60 | 4.110,60 | 4.418,50 | 4.573,60 | | | | | |
| MTCA 450 (sist 9) | | | | | 3.791,70 | 4.096,60 | 4.177,30 | 4.350,20 | 4.658,20 | 4.813,30 | | | | | |
| MTCA 500 (sist 9) | | | | | | 4.934,20 | 5.014,70 | 5.187,70 | 5.495,70 | 5.650,70 | 5.967,70 | 6.536,10 | 6.731,60 | | |
| MTCA 560 (sist 9) | | | | | | | | 5.827,60 | 6.135,60 | 6.290,50 | 6.607,50 | 7.176,00 | 7.371,50 | 7.877,60 | 8.016,90 |
| MTCA 630 (sist 9) | | | | | | | | | 6.995,40 | 7.150,30 | 7.467,30 | 8.035,70 | 8.231,30 | 8.737,40 | 8.876,70 |

MTRL - Centrifugal belt driven fan, for clean or slightly dusty air | Ventilador centrífugo a transmisión, para aire limpio o ligeramente polvoriento

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|--------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------------------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 |
| MTRL 250 (sist 9) | 2.479,50 | 2.495,60 | 2.500,20 | 2.618,60 | 2.660,30 | 2.965,10 | 3.045,70 | | | | | | | | | |
| MTRL 280 (sist 9) | 2.709,20 | 2.725,40 | 2.729,90 | 2.848,30 | 2.889,90 | 3.194,80 | 3.275,50 | | | | | | | | | |
| MTRL 310 (sist 9) | 2.944,00 | 2.960,10 | 2.964,70 | 3.083,10 | 3.124,70 | 3.429,60 | 3.510,20 | 3.683,30 | | | | | | | | |
| MTRL 350 (sist 9) | 3.410,90 | 3.427,00 | 3.431,60 | 3.549,90 | 3.591,70 | 3.896,60 | 3.977,10 | 4.150,10 | | | | | | | | |
| MTRL 400 (sist 9) | 3.677,80 | 3.693,90 | 3.698,50 | 3.816,80 | 3.858,50 | 4.163,40 | 4.243,90 | 4.417,00 | 4.725,00 | 4.879,90 | | | | | | |
| MTRL 450 (sist 9) | 3.882,80 | 3.898,80 | 3.903,40 | 4.021,80 | 4.063,50 | 4.368,30 | 4.448,90 | 4.622,00 | 4.929,90 | 5.085,00 | | | | | | |
| MTRL 500 (sist 9) | 4.710,50 | 4.726,50 | 4.731,10 | 4.849,50 | 4.891,10 | 5.196,00 | 5.276,60 | 5.449,70 | 5.757,60 | 5.912,60 | 6.229,70 | 6.798,10 | 6.993,60 | | | |
| MTRL 560 (sist 9) | 5.246,50 | 5.262,70 | 5.267,20 | 5.385,60 | 5.427,20 | 5.732,10 | 5.812,80 | 5.985,70 | 6.293,70 | 6.448,80 | 6.765,80 | 7.334,20 | 7.529,70 | 8.035,70 | 8.175,20 | |
| MTRL 630 (sist 9) | | | 6.052,80 | 6.171,20 | 6.212,80 | 6.517,70 | 6.598,30 | 6.771,40 | 7.079,30 | 7.234,30 | 7.551,40 | 8.119,80 | 8.315,30 | 8.821,30 | 8.960,70 | |
| MTRL 710 (sist 9) | | | | | | 8.027,30 | 8.107,90 | 8.280,80 | 8.588,80 | 8.743,90 | 9.060,90 | 9.629,30 | 9.824,80 | 10.330,90 | 10.470,20 | |
| MTRL 800 (sist 9) | | | | | | | 9.340,70 | 9.513,60 | 9.821,60 | 9.976,70 | 10.293,70 | 10.862,10 | 11.057,60 | 11.563,60 | 11.703,00 | |
| MTRL 900 (sist 9) | | | | | | | | | 11.037,10 | 11.192,20 | 11.509,20 | 12.077,60 | 12.273,10 | 12.779,10 | 12.918,50 | |
| MTRL 1000 (sist 9) | | | | | | | | | | | | 14.244,30 | 14.439,80 | 14.945,80 | 15.085,10 | 16.141,90 |
| MTRL 1120 (sist 9) | | | | | | | | | | | | | | | | |
| MTRL 1250 (sist 9) | | | | | | | | | | | | | | | | |
| MTRL 1400 (sist 9) | | | | | | | | | | | | | | | | Consult Consultar |
| MTRL 1600 (sist 9) | | | | | | | | | | | | | | | | |

MTRM - Centrifugal belt driven fan, for clean or dusty air | Ventilador centrífugo a transmisión, para aire limpio o polvoriento

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|--------------------|-----------------------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------------------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 |
| MTRM 220 (sist 9) | 2.123,80 | 2.139,90 | 2.144,40 | 2.262,80 | | | | | | | | | | | | |
| MTRM 250 (sist 9) | 2.289,30 | 2.305,50 | 2.310,00 | 2.428,30 | 2.470,00 | | | | | | | | | | | |
| MTRM 280 (sist 9) | 2.496,80 | 2.512,90 | 2.517,40 | 2.635,80 | 2.677,40 | 2.982,40 | | | | | | | | | | |
| MTRM 310 (sist 9) | 2.608,00 | 2.624,00 | 2.628,70 | 2.747,00 | 2.788,70 | 3.093,60 | 3.174,10 | 3.347,20 | | | | | | | | |
| MTRM 350 (sist 9) | 2.978,50 | 2.994,70 | 2.999,20 | 3.117,50 | 3.159,20 | 3.464,10 | 3.544,80 | 3.717,70 | | | | | | | | |
| MTRM 400 (sist 9) | | 3.251,70 | 3.256,20 | 3.374,60 | 3.416,20 | 3.721,10 | 3.801,80 | 3.974,80 | 4.282,70 | | | | | | | |
| MTRM 450 (sist 9) | | | | 3.624,10 | 3.665,80 | 3.970,60 | 4.051,20 | 4.224,20 | 4.532,20 | 4.687,20 | 5.004,20 | | | | | |
| MTRM 500 (sist 9) | | | | 4.365,20 | 4.406,90 | 4.711,80 | 4.792,50 | 4.965,40 | 5.273,40 | 5.428,50 | 5.745,50 | 6.313,90 | | | | |
| MTRM 560 (sist 9) | | | | 5.175,50 | 5.217,20 | 5.522,10 | 5.602,80 | 5.775,70 | 6.083,70 | 6.238,80 | 6.555,80 | 7.124,20 | 7.319,70 | 7.825,70 | | |
| MTRM 630 (sist 9) | | | | | 6.084,40 | 6.389,30 | 6.469,90 | 6.642,80 | 6.950,90 | 7.105,90 | 7.422,90 | 7.991,30 | 8.186,90 | 8.692,90 | 8.832,30 | |
| MTRM 710 (sist 9) | | | | | | | 7.682,90 | 7.856,00 | 8.163,90 | 8.318,90 | 8.635,90 | 9.204,40 | 9.399,90 | 9.906,00 | 10.045,30 | |
| MTRM 800 (sist 9) | | | | | | | 8.480,90 | 8.653,80 | 8.961,90 | 9.116,90 | 9.433,90 | 10.002,30 | 10.197,90 | 10.703,90 | 10.843,20 | |
| MTRM 900 (sist 9) | | | | | | | | 10.232,50 | 10.540,40 | 10.695,50 | 11.012,50 | 11.580,90 | 11.776,40 | 12.282,40 | 12.421,90 | |
| MTRM 1000 (sist 9) | | | | | | | | | | | 12.612,60 | 12.929,70 | 13.498,20 | 13.693,70 | 14.199,70 | 14.339,00 |
| MTRM 1120 (sist 9) | | | | | | | | | | | | | | | | |
| MTRM 1250 (sist 9) | | | | | | | | | | | | | | | | |
| MTRM 1400 (sist 9) | | | | | | | | | | | | | | | | Consult Consultar |
| MTRM 1600 (sist 9) | | | | | | | | | | | | | | | | |

MTRU - Centrifugal belt driven fan, for clean or dusty air | Ventilador centrífugo a transmisión, para aire limpio o polvoriento

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|--------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 |
| MTRU 250 (sist 9) | 2.374,60 | 2.390,70 | 2.395,30 | 2.513,60 | 2.555,30 | 2.860,20 | | | | | | | | | | |
| MTRU 280 (sist 9) | 2.603,10 | 2.619,20 | 2.623,70 | 2.742,10 | 2.783,70 | 3.088,60 | 3.169,30 | | | | | | | | | |
| MTRU 310 (sist 9) | 2.645,00 | 2.661,20 | 2.665,70 | 2.784,00 | 2.825,80 | 3.130,70 | 3.211,30 | 3.384,20 | | | | | | | | |
| MTRU 350 (sist 9) | 3.028,00 | 3.044,10 | 3.048,70 | 3.167,00 | 3.208,70 | 3.513,60 | 3.594,10 | 3.767,20 | | | | | | | | |
| MTRU 400 (sist 9) | | 3.365,30 | 3.369,90 | 3.488,30 | 3.529,90 | 3.834,80 | 3.915,40 | 4.088,50 | 4.396,40 | 4.551,40 | | | | | | |
| MTRU 450 (sist 9) | | | | 3.767,30 | 3.809,00 | 4.113,90 | 4.194,40 | 4.367,50 | 4.675,50 | 4.830,40 | | | | | | |
| MTRU 500 (sist 9) | | | | 4.535,70 | 4.577,40 | 4.882,30 | 4.962,90 | 5.135,90 | 5.443,90 | 5.598,90 | 5.916,00 | 6.484,40 | 6.679,90 | 7.185,90 | | |
| MTRU 560 (sist 9) | | | | 5.422,60 | 5.464,30 | 5.769,20 | 5.849,70 | 6.022,80 | 6.330,80 | 6.485,70 | 6.802,70 | 7.371,20 | 7.566,70 | 8.072,80 | 8.212,10 | |
| MTRU 630 (sist 9) | | | | | 6.403,10 | 6.708,00 | 6.788,60 | 6.961,60 | 7.269,60 | 7.424,60 | 7.741,70 | 8.310,10 | 8.505,60 | 9.011,60 | 9.151,00 | |
| MTRU 710 (sist 9) | | | | | | | | 8.075,70 | 8.248,60 | 8.556,70 | 8.711,70 | 9.028,70 | 9.597,10 | 9.792,70 | 10.298,70 | 10.438,00 |
| MTRU 800 (sist 9) | | | | | | | | 9.130,60 | 9.303,60 | 9.611,60 | 9.766,60 | 10.083,70 | 10.652,10 | 10.847,60 | 11.353,60 | 11.493,00 |
| MTRU 900 (sist 9) | | | | | | | | | 11.099,80 | 11.407,70 | 11.562,70 | 11.879,70 | 12.448,20 | 12.643,70 | 13.149,80 | 13.289,10 |
| MTRU 1000 (sist 9) | | | | | | | | | | 13.468,00 | 13.623,10 | 13.940,10 | 14.508,50 | 14.704,00 | 15.210,00 | 15.349,50 |
| MTRU 1120 (sist 9) | | | | | | | | | | | | | | | | 16.406,10 |
| MTRU 1250 (sist 9) | | | | | | | | | | | | | | | | |
| MTRU 1400 (sist 9) | | | | | | | | | | | | | | | | |
| MTRU 1600 (sist 9) | | | | | | | | | | | | | | | | |

Consult | Consultar

MTGR - Centrifugal belt driven fan, for clean or slightly dusty air | Ventilador centrífugo a transmisión, para aire limpio o ligeramente polvoriento

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|--------------------|-----------------------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 |
| MTGR 400 (sist 9) | 3.373,80 | 3.389,90 | 3.394,50 | 3.512,90 | 3.554,50 | 3.859,40 | 3.940,00 | 4.113,00 | 4.421,00 | 4.576,00 | | | | | | |
| MTGR 450 (sist 9) | | | 3.626,80 | 3.745,10 | 3.786,90 | 4.091,70 | 4.172,30 | 4.345,30 | 4.653,40 | 4.808,30 | | | | | | |
| MTGR 500 (sist 9) | | | | 4.513,40 | 4.555,10 | 4.860,00 | 4.940,60 | 5.113,60 | 5.421,60 | 5.576,60 | 5.893,70 | 6.462,10 | 6.657,60 | | | |
| MTGR 560 (sist 9) | | | | 5.222,50 | 5.264,10 | 5.569,00 | 5.649,70 | 5.822,70 | 6.130,60 | 6.285,70 | 6.602,70 | 7.171,10 | 7.366,60 | 7.872,60 | | |
| MTGR 630 (sist 9) | | | | 6.400,90 | 6.442,60 | 6.747,50 | 6.828,10 | 7.001,10 | 7.309,10 | 7.464,00 | 7.781,10 | 8.349,60 | 8.545,10 | 9.051,10 | | |
| MTGR 710 (sist 9) | | | | | 7.588,90 | 7.893,70 | 7.974,40 | 8.147,40 | 8.455,30 | 8.610,40 | 8.927,40 | 9.495,80 | 9.691,30 | 10.197,40 | | |
| MTGR 800 (sist 9) | | | | | | 8.906,70 | 8.987,30 | 9.160,40 | 9.468,40 | 9.623,30 | 9.940,30 | 10.508,80 | 10.704,30 | 11.210,40 | | |
| MTGR 900 (sist 9) | | | | | | | 10.585,80 | 10.758,80 | 11.066,70 | 11.221,80 | 11.538,80 | 12.107,20 | 12.302,70 | 12.808,80 | | |
| MTGR 1000 (sist 9) | | | | | | | | 12.510,40 | 12.818,30 | 12.973,30 | 13.290,30 | 13.858,80 | 14.054,30 | 14.560,30 | 14.699,70 | 15.756,30 |
| MTGR 1120 (sist 9) | | | | | | | | | | | | | | | | |
| MTGR 1250 (sist 9) | | | | | | | | | | | | | | | | |
| MTGR 1400 (sist 9) | | | | | | | | | | | | | | | | |
| MTGR 1600 (sist 9) | | | | | | | | | | | | | | | | |

Consult | Consultar

MTZM P/R - Centrifugal belt driven fan for solid material transport | Ventilador centrífugo a transmisión para transporte de material sólido

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|------------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 |
| MTZM 250 P/R (sist 9) | 2.286,90 | 2.303,00 | 2.307,50 | | | | | | | | | | | | | |
| MTZM 280 P/R (sist 9) | 2.491,90 | 2.508,00 | 2.512,60 | 2.630,90 | 2.672,60 | | | | | | | | | | | |
| MTZM 310 P/R (sist 9) | 2.603,10 | 2.619,20 | 2.623,70 | 2.742,10 | 2.783,70 | 3.088,60 | 3.169,30 | 3.342,30 | | | | | | | | |
| MTZM 350 P/R (sist 9) | | 2.987,30 | 2.991,90 | 3.110,20 | 3.151,90 | 3.456,80 | 3.537,30 | 3.710,40 | | | | | | | | |
| MTZM 400 P/R (sist 9) | | | | 3.367,20 | 3.408,80 | 3.713,70 | 3.794,30 | 3.967,30 | 4.275,30 | 4.430,30 | | | | | | |
| MTZM 450 P/R (sist 9) | | | | 3.594,50 | 3.636,10 | 3.941,00 | 4.021,60 | 4.194,50 | 4.502,60 | 4.657,60 | | | | | | |
| MTZM 500 P/R (sist 9) | | | | 4.343,00 | 4.384,70 | 4.689,60 | 4.770,10 | 4.943,20 | 5.251,20 | 5.406,10 | 5.723,20 | 6.291,70 | 6.487,20 | 6.993,20 | | |
| MTZM 560 P/R (sist 9) | | | | | 5.219,70 | 5.524,60 | 5.605,10 | 5.778,20 | 6.086,20 | 6.241,20 | 6.558,30 | 7.126,70 | 7.322,20 | 7.828,20 | 7.967,50 | |
| MTZM 630 P/R (sist 9) | | | | | | | 6.405,60 | 6.578,60 | 6.886,60 | 7.041,60 | 7.358,60 | 7.927,10 | 8.122,60 | 8.628,60 | 8.767,90 | |
| MTZM 710 P/R (sist 9) | | | | | | | | 7.673,10 | 7.981,10 | 8.136,10 | 8.453,20 | 9.021,60 | 9.217,10 | 9.723,10 | 9.862,40 | |
| MTZM 800 P/R (sist 9) | | | | | | | | | | 8.914,40 | 9.231,40 | 9.799,80 | 9.995,30 | 10.501,30 | 10.640,60 | |
| MTZM 900 P/R (sist 9) | | | | | | | | | | | | | 11.450,30 | 11.956,40 | 12.095,70 | |
| MTZM 1000 P/R (sist 9) | | | | | | | | | | | | | | | 13.970,90 | 15.027,60 |

AA

High pressure fan for clean air

Ventilador de alta presión para aire limpio



AA 47-70



AA 45/5-60/7



MANUFACTURING FEATURES

- Rolling steel sheet housing.
- Fully welded housing.
- AA 47-70: high efficiency single inlet and forward curved impeller manufactured in cast aluminium.
- AA 45/5-60/7: high efficiency single inlet and backward curved impeller manufactured in cast aluminium.
- Epoxy-polyester finishing coat.
- Standard asynchronous squirrel-cage motor with IP-55 protection and class F insulation. Standard voltages 230/400V 50Hz, motors up to 4kW and 400/690V 50Hz for higher powers.

APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, air extraction or injection.
- Cooling of machines and parts.
- Clean air transport.
- Exhaust after filters, separators and cyclones.
- Pneumatic transport.
- Maximum working temperature: carried air 130°C, environment 60°C.

UNDER REQUEST

- 2 speed motors.

CARACTERÍSTICAS CONSTRUCTIVAS

- Carcasa fabricada en chapa de acero laminado.
- Carcasa totalmente soldada.
- AA 47-70: turbina de álabes curvados hacia adelante de simple aspiración y alto rendimiento, fabricada en fundición de aluminio.
- AA 45/5-60/7: turbina de álabes curvados hacia atrás (a reacción) de simple aspiración y alto rendimiento, fabricada en fundición de aluminio.
- Protegidos contra la corrosión mediante recubrimiento en polvo de resina epoxy-poliéster.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.

APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Transporte de aire limpio.
- Aspiración después de filtros, separadores y ciclones.
- Transporte neumático.
- Temperatura máxima de trabajo en continuo: aire transportado 130°C, ambiente 60°C.

BAJO DEMANDA

- Motores de 2 velocidades.

ACCESSORIES | ACCESORIOS



INT pg.434

Safety switch.
Interrupor de corte.



SFC pg.433

Frequency speed controller.
Variador de velocidad frecuencial.



RA pg.400

Inlet protection guard.
Rejilla aspiración.



AC pg.411

Connexion flange.
Brida de conexión.



JE 45 pg.416

Flexible joint.
Junta elástica.



SIL-C pg.426

Duct circular silencer.
Silenciador circular conducto.



EI pg.412

Outlet flange.
Embocadura impulsión.



BAD pg.416

Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



BA-400 pg.416

Anti-vibrating flange 400º/2h, flexible.
Brida antivibratoria 400º/2h.



FS pg.409

Front support for medium and high pressure fans
Pie soporte delantero para ventiladores de media y alta presión



AB pg.425

Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrifugos Casals



RI pg.398

Outlet protection guard.
Reja de protección.



AVR pg.422

Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



AVS pg.423

Spring anti-vibration blocks.
Amortiguador de muelles.



RBS pg.400

Outlet protection guard.
Rejilla de protección.

AA 47-70

| Code | Model | Rated R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|----------------|--------------|-------------|------|---------------|---------------|---------------|-----------|----------|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I nom. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 255170160 | AA 47 T2 1,1kW | 2800 | 4,05 | 2,33 | 1,1 | 520 | 64 | 49,5 | 1.516,40 |
| 255280160 | AA 53 T2 2,2kW | 2800 | 7,97 | 4,58 | 2,2 | 880 | 67 | 67 | 1.678,10 |
| 255350160 | AA 59 T2 2,2kW | 2800 | 7,97 | 4,58 | 2,2 | 580 | 69 | 70 | 1.847,40 |
| 255350163 | AA 59 T2 3kW | 2870 | 10,3 | 5,92 | 3 | 890 | 69 | 77 | 1.986,70 |
| 255450160 | AA 66 T2 4kW | 2890 | 13,3 | 7,63 | 4 | 900 | 72 | 82 | 2.371,40 |
| 255500160 | AA 70 T2 5,5kW | 2900 | - | 10,6 | 5,5 | 1.030 | 77 | 118,5 | 2.560,60 |
| 255510160 | AA 70 T2 7,5kW | 2900 | - | 14,1 | 7,5 | 1.790 | 78 | 125 | 2.602,60 |

AA 45/5-60/7

| Code | Model | Rated R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|------------------|--------------|-------------|------|---------------|---------------|---------------|-----------|----------|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I nom. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 255120106 | AA 45/5 T2 2,2kW | 2800 | 7,97 | 4,58 | 2,2 | 1.680 | 83 | 62,5 | 1.636,80 |
| 255120120 | AA 45/5 T2 3kW | 2870 | 10,3 | 5,92 | 3 | 2.760 | 83 | 69,5 | 1.833,80 |
| 255150106 | AA 50/5 T2 4kW | 2890 | 13,3 | 7,63 | 4 | 2.930 | 86 | 79 | 2.432,30 |
| 255150120 | AA 50/5 T2 5,5kW | 2900 | - | 10,6 | 5,5 | 4.650 | 87 | 92 | 2.821,60 |
| 255520120 | AA 60/7 T2 11kW | 2930 | - | 20,8 | 11 | 5.480 | 91 | 141 | 3.678,40 |



CIKSTORM

50 Hz



60 Hz



KASTORM



AAVA

High pressure fan for clean air with backward blades

Ventilador de alta presión para aire limpio con palas hacia atrás



| MANUFACTURING FEATURES

- Fan made of Fe360 sheet. The fan paint finish is based on a Qualicoat polyester powder coating stoved at 200°C, with an average film thickness of 70 microns. Average heat resistance of coating is 180°C with peaks of 200°C.
- Fully welded housing.
- High efficiency single inlet backward curved impeller made of Fe360 sheet statically and dynamically balanced. Impellers are painted with epoxy primer that resists temperatures up to 300°C.
- Standard asynchronous squirrel-cage motor with IP-55 protection and class F insulation. Manufactured with standard voltages: 230/400V 50Hz in three phase motors up to 4kW and 400/690V 50Hz for higher powers.
- Standard orientation LG270.
- It allows adjusting the orientation locally from models 220 to 630. Models sizes from 710 to 1000 size the orientation is fixed.
- Optional front support.

| APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, air extraction or injection.
- Cooling of machines and parts.
- Clean air transport.
- Exhaust after filters, separators and cyclones.
- Pneumatic transport.
- Maximum working temperature: carried air 130°C; environment 60°C.

| UNDER REQUEST

- 2 speed motors.
- Non-sparking air passage and standard motor.
- Fan prepared for air up to 250°C (depending on model).
- Hot-dipped galvanised or stainless steel fans.
- With cooling impeller

| CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador fabricado en chapa Fe360. La pintura de los ventiladores está formulada a base de poliéster en polvo Qualicoat polimerizada a 200°C con un grosor medio de 70 micras. La resistencia térmica media de la pintura es de 180°C con picos de 200°C.
- Turbina reacción y simple aspiración, fabricada en Fe360 equilibrada estática y dinámicamente. Las turbinas se pintan con imprimación epoxídica con una resistencia térmica de 300°C.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Orientación estándar LG270.
- Permite variar la orientación en destino, en los modelos del 220 al 630. En los tamaños que van del 710 al 1000, la orientación es fija.
- Pie delantero opcional.

| APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Transporte de aire limpio.
- Aspiración después de filtros, separadores y ciclones.
- Transporte neumático.
- Temperatura máxima de trabajo en continuo: aire transportado: 130°C, ambiente: 60°C.

| BAJO DEMANDA

- Motor 2 velocidades.
- Paso de aire antichispas y motor estándar.
- Ventilador preparado para aire hasta 250°C (según modelo).
- Ventiladores fabricados en chapa galvanizada en caliente o acero inoxidable.
- Con rodete de refrigeración.

ACCESSORIES | ACCESORIOS



INT pg.434

Safety switch.
Interruptor de corte.



SFC pg.433

Frequency speed controller.
Variador de velocidad frecuencial.



RA pg.400

Inlet protection guard.
Rejilla aspiración.



AC pg.411

Connexion flange.
Brida de conexión.



JE 45 pg.416

Flexible joint.
Junta elástica.



SIL-C pg.426

Duct circular silencer.
Silenciador circular conducto.



EI pg.412

Outlet flange.
Emboadura impulsión.



BAD pg.416

Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



BA-400 pg.416

Anti-vibrating flange 400º/2h. flexible.
Brida antivibratoria 400º/2h.



FS pg.409

Front support for medium and high pressure fans
Pie soporte delantero para ventiladores de media y alta presión



AB pg.425

Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals



RI pg.398

Outlet protection guard.
Reja de protección.



AVR pg.422

Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



AVS pg.423

Spring anti-vibration blocks.
Amortiguador de muelles.

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|-----------------------|--------|-------------|------|---------------|---------------|---------------|-----------|----------|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. | I máx. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € |
| | | | 230V | 400V | | | | | |
| 502403114 | AAVA 310/P T2 0,25kW | 2800 | 1,12 | 0,65 | 0,25 | 110 | 58 | 29 | 1.176,70 |
| 502403515 | AAVA 350/P T2 0,37kW | 2800 | 1,58 | 0,91 | 0,37 | 180 | 60 | 33 | 1.214,80 |
| 502404016 | AAVA 400/P T2 0,55kW | 2800 | 2,23 | 1,29 | 0,55 | 250 | 62 | 44 | 1.356,40 |
| 502404517 | AAVA 450/P T2 0,75kW | 2800 | 2,75 | 1,58 | 0,75 | 320 | 64 | 46 | 1.500,50 |
| 502405018 | AAVA 500/P T2 1,1kW | 2800 | 4,05 | 2,33 | 1,1 | 330 | 66 | 51 | 1.606,90 |
| 502405619 | AAVA 560/P T2 1,5kW | 2800 | 5,46 | 3,14 | 1,5 | 360 | 68 | 89 | 2.176,40 |
| 502406319 | AAVA 631/P T2 1,5kW | 2800 | 5,46 | 3,14 | 1,5 | 330 | 69 | 116 | 2.298,20 |
| 502406327 | AAVA 632/P T2 2,2kW | 2800 | 7,97 | 4,58 | 2,2 | 400 | 70 | 119 | 2.340,00 |
| 502407129 | AAVA 711/P T2 3kW | 2870 | 10,3 | 5,92 | 3 | 470 | 73 | 149 | 2.903,70 |
| 502407132 | AAVA 712/P T2 4kW | 2890 | 13,3 | 7,63 | 4 | 540 | 74 | 168 | 2.977,70 |
| 502408032 | AAVA 801/P T2 4kW | 2890 | 13,3 | 7,63 | 4 | 470 | 76 | 195 | 3.418,40 |
| 502408034 | AAVA 802/P T2 5,5kW | 2900 | - | 10,6 | 5,5 | 540 | 78 | 197 | 3.622,50 |
| 502408036 | AAVA 803/P T2 7,5kW | 2900 | - | 14,1 | 7,5 | 720 | 80 | 197 | 3.732,20 |
| 502409021 | AAVA 901/P T2 11kW | 2930 | - | 20,8 | 11 | 870 | 81 | 330 | 5.230,70 |
| 502409024 | AAVA 902/P T2 15kW | 2930 | - | 27,4 | 15 | 1.230 | 83 | 390 | 5.388,40 |
| 502410026 | AAVA 1001/P T2 18,5kW | 2935 | - | 34,4 | 18,5 | 1.440 | 85 | 442 | 7.814,20 |
| 502410028 | AAVA 1002/P T2 22kW | 2940 | - | 39,8 | 22 | 1.640 | 87 | 501 | 8.291,60 |



50/60 Hz

> the smoke extractor for fire-places and barbecues <

> el activador de tiraje para chimeneas y barbacoas <



FOCCETA
 www.casals.com

AAVC

High pressure fan for clean air with backward blades

Ventilador de alta presión para aire limpio con palas hacia atrás



MANUFACTURING FEATURES

- Fan made of Fe360 sheet. The fan paint finish is based on a Qualicoat polyester powder coating stoved at 200°C, with an average film thickness of 70 microns. Average heat resistance of coating is 180°C with peaks of 200°C.
- High efficiency single inlet backward curved impeller made of Fe360 sheet statically and dynamically balanced. Impellers are painted with epoxy primer that resists temperatures up to 300°C.
- Standard asynchronous squirrel-cage motor with IP-55 protection and class F insulation. Manufactured with standard voltages: 230/400V 50Hz in three phase motors up to 4kW and 400/690V 50Hz for higher powers.
- Standard orientation LG270.
- It allows adjusting the orientation locally.
- Optional front support.

APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, air extraction or injection.
- Cooling of machines and parts.
- Clean air transport.
- Exhaust after filters, separators and cyclones.
- Pneumatic transport.
- Maximum working temperature: carried air 130°C; environment 60°C.

UNDER REQUEST

- 2 speed motors.
- Non-sparking air passage and standard motor.
- Fan prepared for air up to 250°C (depending on model).
- Hot-dipped galvanised or stainless steel fans.
- With cooling impeller.

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador fabricado en chapa Fe360. La pintura de los ventiladores está formulada a base de poliéster en polvo Qualicoat polimerizada a 200°C con un grosor medio de 70 micras. La resistencia térmica media de la pintura es de 180°C con picos de 200°C.
- Turbina de pala reacción y simple aspiración, fabricada en Fe360 equilibrada estática y dinámicamente. Las turbinas se pintan con imprimación epoxídica con una resistencia térmica de 300°C.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Orientación estándar LG270.
- Permite variar la orientación en destino.
- Pie delantero opcional.

APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Transporte de aire limpio.
- Aspiración después de filtros, separadores y ciclones.
- Transporte neumático.
- Temperatura máxima de trabajo en continuo: aire transportado 130°C, ambiente: 60°C

BAJO DEMANDA

- Motor 2 velocidades.
- Paso de aire antichispas y motor estándar.
- Ventilador preparado para aire hasta 250°C (según modelo).
- Ventiladores fabricados en chapa galvanizada en caliente o acero inoxidable.
- Con rodete de refrigeración.

ACCESSORIES | ACCESORIOS



INT pg.434

Safety switch.
Interrupor de corte.



SFC pg.433

Frecuency speed controller.
Variador de velocidad frecuencial.



RA pg.400

Inlet protection guard.
Rejilla aspiración.



AC pg.411

Connexion flange.
Brida de conexión.



JE 45 pg.416

Flexible joint.
Junta elástica.



SIL-C pg.426

Duct circular silencer.
Silenciador circular conducto.



EI pg.412

Outlet flange.
Embocadura impulsión.



BAD pg.416

Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



BA-400 pg.416

Anti-vibrating flange 400º/2h.
flexible.
Brida antivibratoria
400º/2h.



FS pg.409

Front support for medium and high pressure fans
Pie soporte delantero para ventiladores de media y alta presión



AB pg.425

Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals



RI pg.398

Outlet protection guard.
Reja de protección.



AVR pg.422

Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



AVS pg.423

Spring anti-vibration blocks.
Amortiguador de muelles.

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|-----------------------|--------|-------------|------|---------------|---------------|---------------|-----------|--------------------|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. | I nom. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € |
| | | | 230V | 400V | | | | | |
| 502505019 | /N 500 T2 1,5kW | 2800 | 5,46 | 3,14 | 1,5 | 790 | 57 | 43 | 2.118,00 |
| 507105018 | AAVC/NR 500 T2 1,1kW | 2800 | 4,05 | 2,33 | 1,1 | 650 | 56 | 40 | 2.052,40 |
| 502505627 | AAVC/N 560 T2 2,2kW | 2800 | 7,97 | 4,58 | 2,2 | 870 | 59 | 69 | 2.571,20 |
| 507105619 | AAVC/NR 560 T2 1,5kW | 2800 | 5,46 | 3,14 | 1,5 | 540 | 58 | 66 | 2.529,50 |
| 502506332 | AAVC/N 630 T2 4kW | 2890 | 13,3 | 7,63 | 4 | 1.230 | 63 | 133 | 3.284,50 |
| 502506334 | AAVC/N 630 T2 5,5kW | 2900 | - | 10,6 | 5,5 | 1.620 | 64 | 143 | 3.488,60 |
| 507106329 | AAVC/NR 630 T2 3kW | 2870 | 10,3 | 5,92 | 3 | 1.080 | 61 | 118 | 3.210,60 |
| 507106332 | AAVC/NR 630 T2 4kW | 2890 | 13,3 | 7,63 | 4 | 1.370 | 62 | 132 | 3.284,50 |
| 502507121 | AAVC/N 710 T2 11kW | 2930 | - | 20,8 | 11 | 2.520 | 68 | 238 | 4.663,30 |
| 502507136 | AAVC/N 710 T2 7,5kW | 2900 | - | 14,1 | 7,5 | 1.800 | 68 | 204 | 4.014,50 |
| 507107134 | AAVC/NR 710 T2 5,5kW | 2900 | - | 10,6 | 5,5 | 1.440 | 67 | 200 | 3.905,00 |
| 507107136 | AAVC/NR 710 T2 7,5kW | 2900 | - | 14,1 | 7,5 | 1.800 | 67 | 200 | 4.014,50 |
| 502508021 | AAVC/N 800 T2 11kW | 2930 | - | 20,8 | 11 | 1.800 | 71 | 254 | 5.478,90 |
| 502508024 | AAVC/N 800 T2 15kW | 2930 | - | 27,4 | 15 | 2.880 | 72 | 254 | 5.636,70 |
| 507108021 | AAVC/NR 800 T2 11kW | 2930 | - | 20,8 | 11 | 2.520 | 71 | 248 | 5.478,90 |
| 507108036 | AAVC/NR 800 T2 7,5kW | 2900 | - | 14,1 | 7,5 | 1.230 | 70 | 214 | 4.830,20 |
| 502509026 | AAVC/N 900 T2 18,5kW | 2935 | - | 34,4 | 18,5 | 2.160 | 75 | 348 | 6.764,90 |
| 502509028 | AAVC/N 900 T2 22kW | 2940 | - | 39,8 | 22 | 3.240 | 75 | 404 | 7.242,20 |
| 507109024 | AAVC/NR 900 T2 15kW | 2930 | - | 27,4 | 15 | 2.160 | 73 | 333 | 6.527,70 |
| 507109026 | AAVC/NR 900 T2 18,5kW | 2935 | - | 34,4 | 18,5 | 3.240 | 74 | 345 | 6.764,90 |
| 502510031 | AAVC/N 1000 T2 37kW | 2955 | - | 66,7 | 37 | 3.600 | 78 | 577 | 10.027,60 |
| 502510033 | AAVC/N 1000 T2 45kW | 2960 | - | 78 | 45 | 6.300 | 79 | 657 | 10.869,60 |
| 507110030 | AAVC/NR 1000 T2 30kW | 2950 | - | 56,6 | 30 | 3.240 | 77 | 570 | 9.706,30 |
| 507110031 | AAVC/NR 1000 T2 37kW | 2955 | - | 66,7 | 37 | 4.500 | 78 | 570 | 10.027,60 |
| 502511235 | AAVC/N 1120 T2 55kW | 2965 | - | 95 | 55 | 3.600 | 82 | 815 | Consultar /Consult |
| 502511237 | AAVC/N 1120 T2 75kW | 2965 | - | 130 | 75 | 7.200 | 84 | 945 | Consultar /Consult |
| 507111233 | AAVC/NR 1120 T2 45kW | 2960 | - | 78 | 45 | 4.500 | 81 | 725 | Consultar /Consult |
| 507111235 | AAVC/NR 1120 T2 55kW | 2965 | - | 95 | 55 | 5.400 | 82 | 815 | Consultar /Consult |

AAVP

Backward impeller

Ventilador de alta presión para aire limpio o ligeramente polvoriento



MANUFACTURING FEATURES

- Fan made of Fe360 sheet. The fan paint finish is based on a Qualicoat polyester powder coating stoved at 200°C, with an average film thickness of 70 microns. Average heat resistance of coating is 180°C with peaks of 200°C.
- Fully welded housing.
- High efficiency single inlet backward curved impeller made of Fe360 sheet statically and dynamically balanced. Impellers are painted with epoxy primer that resists temperatures up to 300°C.
- Standard asynchronous squirrel-cage motor with IP-55 protection and class F insulation. Manufactured with standard voltages: 230/400V 50Hz in three phase motors up to 4kW and 400/690V 50Hz for higher powers.
- Standard orientation LG270.
- It allows adjusting the orientation locally from models 400 to 630. Models sizes from 710 to 1120 size the orientation is fixed.
- Optional front support.

APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, air extraction or injection.
- Cooling of machines and parts.
- Clean and slightly dusty air transport.
- Exhaust after filters, separators and cyclones.
- Pneumatic transport.
- Maximum working temperature: carried air 130°C; environment 60°C.

UNDER REQUEST

- 2 speed motors.
- Non-sparking air passage and standard motor.
- Fan prepared for air up to 250°C (depending on model).
- Hot-dipped galvanised or stainless steel fans.
- With cooling impeller.
- Orientations: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180, LG225, LG315.

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador fabricado en chapa Fe360. La pintura de los ventiladores está formulada a base de poliéster en polvo Qualicoat polimerizada a 200°C con un grosor medio de 70 micras. La resistencia térmica media de la pintura es de 180°C con picos de 200°C.
- Carcasa totalmente soldada.
- Turbina de pala reacción y simple aspiración, fabricada en Fe360 equilibrada estática y dinámicamente. Las turbinas se pintan con imprimación epoxídica con una resistencia térmica de 300°C.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Orientación estándar LG270.
- Permite variar la orientación en destino, en los modelos del 400 al 630. En los tamaños que van del 710 al 1120, la orientación es fija.
- Pie delantero opcional.

APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Transporte de aire limpio o ligeramente polvoriento.
- Aspiración después de filtros, separadores y ciclones.
- Transporte neumático.
- Temperatura máxima de trabajo en continuo: aire transportado 130°C, ambiente: 60°C.

BAJO DEMANDA

- Motor 2 velocidades.
- Paso de aire antichispas y motor estándar.
- Ventilador preparado para aire hasta 250°C (según modelo).
- Ventiladores fabricados en chapa galvanizada en caliente o acero inoxidable.
- Con rodete de refrigeración.
- Orientaciones: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180, LG225, LG315.

ACCESSORIES | ACCESORIOS



INT pg.434

Safety switch.
Interruptor de corte.



SFC pg.433

Frequency speed controller.
Variador de velocidad frecuencial.



RA pg.400

Inlet protection guard.
Rejilla aspiración.



AC pg.411

Connexion flange.
Brida de conexión.



JE 45 pg.416

Flexible joint.
Junta elástica.



SIL-C pg.426

Duct circular silencer.
Silenciador circular conducto.



EI pg.412

Outlet flange.
Embocadura impulsión.



BAD pg.416

Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



BA-400 pg.416

Anti-vibrating flange 400º/2h. flexible.
Brida antivibratoria 400º/2h.



FS pg.409

Front support for medium and high pressure fans
Pie soporte delantero para ventiladores de media y alta presión



AB pg.425

Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrifugos Casals



RI pg.398

Outlet protection guard.
Reja de protección.



AVR pg.422

Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



AVS pg.423

Spring anti-vibration blocks.
Amortiguador de muelles.

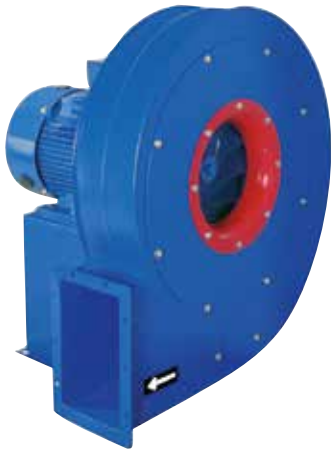
THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|-----------------------|--------|-------------|------|---------------|---------------|---------------|-----------|-----------|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. | I nom. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € |
| | | | 230V | 400V | | | | | |
| 502604016 | AAVP/N 400 T2 0,55kW | 2800 | 2,23 | 1,29 | 0,55 | 470 | 65 | 51 | 1.495,20 |
| 502604017 | AAVP/N 400 T2 0,75kW | 2800 | 2,75 | 1,58 | 0,75 | 650 | 65 | 55 | 1.493,20 |
| 502604518 | AAVP/N 451 T2 1,1kW | 2800 | 4,05 | 2,33 | 1,1 | 720 | 66 | 61 | 1.648,30 |
| 502604519 | AAVP/N 452 T2 1,5kW | 2800 | 5,46 | 3,14 | 1,5 | 870 | 66 | 67 | 1.713,80 |
| 502605027 | AAVP/N 502 T2 2,2kW | 2800 | 7,97 | 4,58 | 2,2 | 1.080 | 69 | 75 | 2.191,50 |
| 507405019 | AAVP/NR 501 T2 1,5kW | 2800 | 5,46 | 3,14 | 1,5 | 940 | 69 | 71 | 2.149,70 |
| 502605629 | AAVP/N 562 T2 3kW | 2870 | 10,3 | 5,92 | 3 | 1.230 | 71 | 99 | 2.660,30 |
| 502605632 | AAVP/N 563 T2 4kW | 2890 | 13,3 | 7,63 | 4 | 1.620 | 72 | 107 | 2.734,30 |
| 507405627 | AAVP/NR 562 T2 2,2kW | 2800 | 7,97 | 4,58 | 2,2 | 940 | 71 | 86 | 2.537,30 |
| 507405629 | AAVP/NR 563 T2 3kW | 2870 | 10,3 | 5,92 | 3 | 1.370 | 72 | 98 | 2.660,30 |
| 502606334 | AAVP/N 632 T2 5,5kW | 2900 | - | 10,6 | 5,5 | 1.620 | 75 | 145 | 3.449,60 |
| 502606336 | AAVP/N 633 T2 7,5kW | 2900 | - | 14,1 | 7,5 | 2.520 | 75 | 145 | 3.559,30 |
| 507406332 | AAVP/NR 632 T2 4kW | 2890 | 13,3 | 7,63 | 4 | 1.370 | 75 | 131 | 3.245,50 |
| 507406334 | AAVP/NR 633 T2 5,5kW | 2900 | - | 10,6 | 5,5 | 1.800 | 75 | 143 | 3.449,60 |
| 502607121 | AAVP/N 712 T2 11kW | 2930 | - | 20,8 | 11 | 2.520 | 78 | 222 | 4.641,30 |
| 502607124 | AAVP/N 713 T2 15kW | 2930 | - | 27,4 | 15 | 3.240 | 78 | 222 | 4.799,10 |
| 507407136 | AAVP/NR 711 T2 7,5kW | 2900 | - | 14,1 | 7,5 | 1.800 | 77 | 205 | 3.992,70 |
| 507407121 | AAVP/NR 713 T2 11kW | 2930 | - | 20,8 | 11 | 2.880 | 78 | 218 | 4.641,30 |
| 502608026 | AAVP/N 802 T2 18,5kW | 2935 | - | 34,4 | 18,5 | 3.600 | 81 | 280 | 5.822,70 |
| 502608028 | AAVP/N 803 T2 22kW | 2940 | - | 39,8 | 22 | 4.680 | 81 | 336 | 6.300,00 |
| 507408024 | AAVP/NR 802 T2 15kW | 2930 | - | 27,4 | 15 | 3.240 | 81 | 256 | 5.585,50 |
| 507408026 | AAVP/NR 803 T2 18,5kW | 2935 | - | 34,4 | 18,5 | 4.320 | 82 | 268 | 5.822,70 |
| 502609030 | AAVP/N 902 T2 30kW | 2950 | - | 56,6 | 30 | 3.960 | 84 | 508 | 7.984,90 |
| 502609031 | AAVP/N 903 T2 37kW | 2955 | - | 66,7 | 37 | 5.400 | 85 | 508 | 8.306,40 |
| 507409028 | AAVP/NR 902 T2 22kW | 2940 | - | 39,8 | 22 | 3.600 | 84 | 416 | 7.317,80 |
| 507409030 | AAVP/NR 903 T2 30kW | 2950 | - | 56,6 | 30 | 5.400 | 85 | 442 | 7.984,90 |
| 502610035 | AAVP/N 1002 T2 55kW | 2965 | - | 95 | 55 | 7.200 | 91 | 780 | 12.231,80 |
| 502610037 | AAVP/N 1003 T2 75kW | 2965 | - | 130 | 75 | 9.000 | 93 | 924 | 13.905,40 |
| 507410033 | AAVP/NR 1002 T2 45kW | 2960 | - | 78 | 45 | 6.120 | 90 | 680 | 11.181,20 |
| 507410035 | AAVP/NR 1003 T2 55kW | 2965 | - | 95 | 55 | 7.920 | 91 | 765 | 12.231,80 |
| 502611238 | AAVP/N 1122 T2 90kW | 2970 | - | 156 | 90 | 7.920 | 97 | 1090 | Consultar |
| 502611222 | AAVP/N 1123 T2 110kW | 2975 | - | 188 | 110 | 12.000 | 99 | 1270 | Consultar |
| 507411237 | AAVP/NR 1122 T2 75kW | 2965 | - | 130 | 75 | 7.920 | 97 | 1085 | Consultar |
| 507409038 | AAVP/NR 1123 T2 90kW | 2970 | - | 156 | 90 | 12.000 | 98 | 1050 | Consultar |

AAVG/N

High pressure fan for clean air

Ventilador de alta presión para aire limpio



MANUFACTURING FEATURES

- Fan made of Fe360 sheet. The fan paint finish is based on a Qualicoat polyester powder coating stoved at 200°C, with an average film thickness of 70 microns. Average heat resistance of coating is 180°C with peaks of 200°C.
- Fully welded housing.
- High efficiency single inlet backward curved impeller made of Fe360 sheet statically and dynamically balanced. Impellers are painted with epoxy primer that resists temperatures up to 300°C.
- Standard asynchronous squirrel-cage motor with IP-55 protection and class F insulation. Manufactured with standard voltages: 230/400V 50Hz in three phase motors up to 4kW and 400/690V 50Hz for higher powers.
- Standard orientation LG270.
- It allows adjusting the orientation locally from models 450 to 630. Models sizes from 710 to 1000 size the orientation is fixed.
- Optional front support.

APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, air extraction or injection.
- Cooling of machines and parts.
- Clean and slightly dusty air transport.
- Exhaust after filters, separators and cyclones.
- Pneumatic transport.
- Maximum working temperature: carried air 130°C; environment 60°C.

UNDER REQUEST

- 2 speed motors.
- Non-sparking air passage and standard motor.
- Fan prepared for air up to 250°C (depending on model).
- Hot-dipped galvanised or stainless steel fans.
- With cooling impeller.
- Orientations: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180, LG225, LG315.

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador fabricado en chapa Fe360. La pintura de los ventiladores está formulada a base de poliéster en polvo Qualicoat polimerizada a 200°C con un grosor medio de 70 micras. La resistencia térmica media de la pintura es de 180°C con picos de 200°C.
- Carcasa totalmente soldada.
- Turbina de pala reacción y simple aspiración, fabricada en Fe360 equilibrada estática y dinámicamente. Las turbinas se pintan con imprimación epoxídica con una resistencia térmica de 300°C.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Orientación estándar LG270.
- Permite variar la orientación en destino, en los modelos del 450 al 630. En los tamaños que van del 710 al 1000, la orientación es fija.
- Pie delantero opcional.

APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Transporte de aire limpio o ligeramente polvoriento.
- Aspiración después de filtros, separadores y ciclones.
- Transporte neumático.
- Temperatura máxima de trabajo en continuo: aire transportado 130°C, ambiente: 60°C

BAJO DEMANDA

- Motor 2 velocidades.
- Paso de aire antichispas y motor estándar.
- Ventilador preparado con rodete de refrigeración para trabajar hasta 250°C.
- Ventiladores fabricados en chapa galvanizada en caliente o acero inoxidable.
- Con rodete de refrigeración.
- Orientación: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180, LG225, LG315.

ACCESSORIES | ACCESORIOS



INT pg.434

Safety switch.
Interruptor de corte.



SFC pg.433

Frequency speed controller.
Variador de velocidad frecuencial.



RA pg.400

Inlet protection guard.
Rejilla aspiración.



AC pg.411

Connexion flange.
Brida de conexión.



JE 45 pg.416

Flexible joint.
Junta elástica.



SIL-C pg.426

Duct circular silencer.
Silenciador circular conducto.



EI pg.412

Outlet flange.
Embocadura impulsión.



BAD pg.416

Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



BA-400 pg.416

Anti-vibrating flange 400º/2h. flexible.
Brida antivibratoria 400º/2h.



FS pg.409

Front support for medium and high pressure fans
Pie soporte delantero para ventiladores de media y alta presión



AB pg.425

Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals



RI pg.398

Outlet protection guard.
Reja de protección.



AVR pg.422

Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



AVS pg.423

Spring anti-vibration blocks.
Amortiguador de muelles.

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|-----------------------|--------|-------------|------|---------------|---------------|---------------|-----------|-----------|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. | I nom. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 502704527 | AAVG/N 450 T2 2,2kW | 2800 | 7,97 | 4,58 | 2,2 | 1.620 | 73 | 65 | 1.916,30 |
| 502705032 | AAVG/N 501 T2 4kW | 2890 | 13,3 | 7,63 | 4 | 2.520 | 74 | 93 | 2.391,00 |
| 502705029 | AAVG/NR 501 T2 3kW | 2870 | 10,3 | 5,92 | 3 | 2.160 | 74 | 87 | 2.317,00 |
| 502705634 | AAVG/NR 561 T2 5,5kW | 2900 | - | 10,6 | 5,5 | 2.880 | 77 | 127 | 2.894,70 |
| 502705636 | AAVG/N 561 T2 7,5kW | 2900 | - | 14,1 | 7,5 | 3.960 | 78 | 135 | 3.004,20 |
| 502706321 | AAVG/NR 632 T2 11kW | 2930 | - | 20,8 | 11 | 4.680 | 80 | 193 | 4.132,50 |
| 502706321 | AAVG/N 631 T2 11kW | 2930 | - | 20,8 | 11 | 3.600 | 81 | 196 | 4.132,50 |
| 502706324 | AAVG/N 632 T2 15kW | 2930 | - | 27,4 | 15 | 5.400 | 81 | 198 | 4.290,20 |
| 502707128 | AAVG/N 711 T2 22kW | 2940 | - | 39,8 | 22 | 6.120 | 83 | 272 | 5.774,10 |
| 502707130 | AAVG/N 712 T2 30kW | 2950 | - | 56,6 | 30 | 7.920 | 84 | 388 | 6.684,80 |
| 502707126 | AAVG/NR 711 T2 18,5kW | 2935 | - | 34,4 | 18,5 | 6.120 | 83 | 246 | 5.296,90 |
| 502707128 | AAVG/NR 712 T2 22kW | 2940 | - | 39,8 | 22 | 7.200 | 83 | 368 | 5.774,10 |
| 502708031 | AAVG/N 801 T2 37kW | 2955 | - | 66,7 | 37 | 7.920 | 88 | 440 | 8.445,20 |
| 502708033 | AAVG/N 802 T2 45kW | 2960 | - | 78 | 45 | 10.800 | 88 | 484 | 9.503,70 |
| 502708030 | AAVG/NR 801 T2 30kW | 2950 | - | 56,6 | 30 | 7.200 | 87 | 424 | 8.123,70 |
| 502708031 | AAVG/NR 802 T2 37kW | 2955 | - | 66,7 | 37 | 10.080 | 88 | 435 | 8.445,20 |
| 502709035 | AAVG/N 901 T2 55kW | 2965 | - | 95 | 55 | 7.920 | 91 | 808 | 12.129,60 |
| 502709037 | AAVG/N 902 T2 75kW | 2965 | - | 130 | 75 | 12.600 | 92 | 840 | 13.377,00 |
| 502709033 | AAVG/NR 901 T2 45kW | 2960 | - | 78 | 45 | 7.920 | 90 | 701 | 11.079,90 |
| 502709035 | AAVG/NR 902 T2 55kW | 2965 | - | 95 | 55 | 10.800 | 91 | 802 | 12.129,60 |
| 502710022 | AAVG/N 1001 T2 110kW | 2975 | - | 188 | 110 | 14.400 | 95 | 1085 | 21.549,70 |
| 502710023 | AAVG/N 1002 T2 132kW | 2980 | - | 223 | 132 | 19.800 | 95 | 1112 | 22.215,90 |
| 502709038 | AAVG/NR 1001 T2 90kW | 2970 | - | 156 | 90 | 12.600 | 94 | 920 | 16.915,40 |
| 502710022 | AAVG/NR 1002 T2 110kW | 2975 | - | 188 | 110 | 18.000 | 94 | 1078 | 21.549,70 |

KIT-PE

OVERPRESSURE KIT | KIT SOBREPRESIÓN > KIT-PE



- > Easy installation | Fácil instalación
- > Compact solution | Solución compacta
- > Preventive maintenance | Mantenimiento preventivo
- > Easy start-up (plug&play) | Fácil puesta en marcha
- > Secure installation | Instalación segura

> THREE PHASE RANGE | TRIFÁSICOS

> KIT-PE



> SINGLE PHASE RANGE | MONOFÁSICOS

> REG VMC + DPS BASIC



AAVM

High pressure fan for clean or slightly dusty air

Ventilador de alta presión para aire limpio o ligeramente polvoriento



MANUFACTURING FEATURES

- Fan made of Fe360 sheet. The fan paint finish is based on a Qualicoat polyester powder coating stoved at 200°C, with an average film thickness of 70 microns. Average heat resistance of coating is 180°C with peaks of 200°C.
- Fully welded housing.
- High efficiency single inlet backward curved impeller made of Fe360 sheet statically and dynamically balanced. Impellers are painted with epoxy primer that resists temperatures up to 300°C.
- Standard asynchronous squirrel-cage motor with IP-55 protection and class F insulation. Manufactured with standard voltages: 230/400V 50Hz in three phase motors up to 4kW and 400/690V 50Hz for higher powers.
- Standard orientation LG270.
- It allows adjusting the orientation locally from models 350 to 630. Models sizes from 710 to 1000 size the orientation is fixed.
- Optional front support.

APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, air extraction or injection.
- Cooling of machines and parts.
- Clean and slightly dusty air transport.
- Exhaust after filters, separators and cyclones.
- Pneumatic transport.
- Maximum working temperature: carried air 130°C; environment 60°C.

UNDER REQUEST

- 2 speed motors.
- Non-sparking air passage and standard motor.
- Fan prepared for air up to 250°C (depending on model).
- Hot-dipped galvanised or stainless steel fans.
- With cooling impeller.
- Orientations: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180, LG225, LG315.

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador fabricado en chapa Fe360. La pintura de los ventiladores está formulada a base de poliéster en polvo Qualicoat polimerizada a 200°C con un grosor medio de 70 micras. La resistencia térmica media de la pintura es de 180°C con picos de 200°C.
- Carcasa totalmente soldada.
- Turbina de pala reacción y simple aspiración, fabricada en Fe360 equilibrada estática y dinámicamente. Las turbinas se pintan con imprimación epoxídica con una resistencia térmica de 300°C.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Orientación estándar LG270.
- Permite variar la orientación en destino, en los modelos del 350 al 630. En los tamaños que van del 710 al 1000, la orientación es fija.
- Pie delantero opcional.

APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Transporte de aire limpio o ligeramente polvoriento.
- Aspiración después de filtros, separadores y ciclones.
- Transporte neumático.
- Temperatura máxima de trabajo en continuo: aire transportado 130°C, ambiente: 60°C.

BAJO DEMANDA

- Motor 2 velocidades.
- Paso de aire antichispas y motor estándar.
- Ventilador preparado con rodete de refrigeración para trabajar hasta 250°C.
- Ventiladores fabricados en chapa galvanizada en caliente o acero inoxidable.
- Con rodete de refrigeración.
- Orientación: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180, LG225, LG315.

ACCESSORIES | ACCESORIOS



INT pg.434
Safety switch.
Interruptor de corte.



SFC pg.433
Frequency speed controller.
Variador de velocidad frecuencial.



RA pg.400
Inlet protection guard.
Rejilla aspiración.



AC pg.411
Connexion flange.
Brida de conexión.



JE 45 pg.416
Flexible joint.
Junta elástica.



SIL-C pg.426
Duct circular silencer.
Silenciador circular conducto.



EI pg.412
Outlet flange.
Embocadura impulsión.



BAD pg.416
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



BA-400 pg.416
Anti-vibrating flange 400º/2h. flexible.
Brida antivibratoria 400º/2h.



FS pg.409
Front support for medium and high pressure fans
Pie soporte delantero para ventiladores de media y alta presión



AB pg.425
Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals



RI pg.398
Outlet protection guard.
Reja de protección.



AVR pg.422
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



AVS pg.423
Spring anti-vibration blocks.
Amortiguador de muelles.

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|-----------|------------------------|--------|-------------|------|---------------|---------------|---------------|-----------|-----------|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. | I nom. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 502803518 | AAVM/N 350 T2 1,1kW | 2800 | 4,05 | 2,33 | 1,1 | 1.440 | 67 | 36 | 1.027,40 |
| 507303517 | AAVM/NR 350 T2 0,75kW | 2800 | 2,75 | 1,58 | 0,75 | 940 | 66 | 35 | 1.008,70 |
| 502804027 | AAVM/N 400 T2 2,2kW | 2800 | 7,97 | 4,58 | 2,2 | 2.160 | 68 | 50 | 1.273,60 |
| 507304019 | AAVM/NR 400 T2 1,5kW | 2800 | 5,46 | 3,14 | 1,5 | 1.620 | 68 | 46 | 1.231,90 |
| 502804532 | AAVM/N 450 T2 4kW | 2890 | 13,3 | 7,63 | 4 | 2.880 | 71 | 80 | 1.762,80 |
| 507304529 | AAVM/NR 450 T2 3kW | 2870 | 10,3 | 5,92 | 3 | 2.520 | 70 | 60 | 1.688,80 |
| 502805034 | AAVM/N 500 T2 5,5kW | 2900 | - | 10,6 | 5,5 | 3.600 | 75 | 107 | 2.151,90 |
| 507305032 | AAVM/NR 500 T2 4kW | 2890 | 13,3 | 7,63 | 4 | 3.240 | 74 | 92 | 1.947,80 |
| 502805621 | AAVM/N 560 T2 11kW | 2930 | - | 20,8 | 11 | 5.400 | 77 | 163 | 3.450,80 |
| 507305636 | AAVM/NR 560 T2 7,5kW | 2900 | - | 14,1 | 7,5 | 4.680 | 77 | 122 | 2.802,00 |
| 502806326 | AAVM/N 630 T2 18,5kW | 2935 | - | 34,4 | 18,5 | 7.920 | 80 | 193 | 4.342,30 |
| 507306324 | AAVM/NR 630 T2 15kW | 2930 | - | 27,4 | 15 | 7.200 | 80 | 175 | 4.105,20 |
| 502807130 | AAVM/N 711 T2 30kW | 2950 | - | 56,6 | 30 | 9.000 | 83 | 390 | 6.628,80 |
| 502807131 | AAVM/N 711 T2 37kW | 2955 | - | 66,7 | 37 | 10.800 | 84 | 390 | 6.950,30 |
| 507307128 | AAVM/NR 711 T2 22kW | 2940 | - | 39,8 | 22 | 9.000 | 83 | 300 | 5.718,10 |
| 502808035 | AAVM/N 801 T2 55kW | 2965 | - | 95 | 55 | 12.600 | 85 | 664 | 10.327,90 |
| 502808037 | AAVM/N 801 T2 75kW | 2965 | - | 130 | 75 | 16.200 | 86 | 794 | 11.575,30 |
| 507308033 | AAVM/NR 801 T2 45kW | 2960 | - | 78 | 45 | 14.400 | 84 | 526 | 9.060,60 |
| 502809022 | AAVM/N 901 T2 110kW | 2975 | - | 188 | 110 | 21.600 | 90 | 1109 | 18.691,30 |
| 502809038 | AAVM/N 901 T2 90kW | 2970 | - | 156 | 90 | 18.000 | 88 | 969 | 14.057,00 |
| 507309037 | AAVM/NR 901 T2 75kW | 2965 | - | 130 | 75 | 18.000 | 88 | 926 | 13.104,30 |
| 502810025 | AAVM/N 1001 T2 160kW | 2980 | - | 269 | 160 | 21.600 | 93 | 1230 | 22.426,60 |
| 502810105 | AAVM/N 1001 T2 200kW | 2960 | - | 336 | 200 | 33.000 | 93 | 1230 | 24.332,40 |
| 507310022 | AAVM/NR 1001 T2 110kW | 2975 | - | 188 | 110 | 18.000 | 91 | 1220 | 21.286,70 |
| 507310023 | AAVM/NR 1001 T2 132kW | 2980 | - | 223 | 132 | 21.600 | 92 | 1220 | 21.953,00 |
| 502807161 | AAVM/N 712 T4 5,5kW | 1440 | - | 10,5 | 5,5 | 5.400 | 67 | 211 | 4.174,80 |
| 507307159 | AAVM/NR 712 T4 4kW | 1440 | 14,5 | 8,32 | 4 | 4.680 | 67 | 194 | 3.983,00 |
| 502808049 | AAVM/N 802 T4 11kW | 1460 | - | 21,2 | 11 | 7.920 | 70 | 286 | 6.369,80 |
| 507308063 | AAVM/NR 802 T4 7,5kW | 1440 | - | 14,1 | 7,5 | 6.120 | 68 | 255 | 5.851,00 |
| 502809052 | AAVM/N 902 T4 15kW | 1460 | - | 29,8 | 15 | 10.800 | 72 | 401 | 8.023,10 |
| 507309049 | AAVM/NR 902 T4 11kW | 1460 | - | 21,2 | 11 | 10.080 | 71 | 380 | 7.816,00 |
| 502810055 | AAVM/N 1002 T4 22kW | 1470 | - | 40,1 | 22 | 14.400 | 75 | 640 | 11.098,10 |
| 507310053 | AAVM/NR 1002 T4 18,5kW | 1465 | - | 35,6 | 18,5 | 12.600 | 75 | 620 | 3.061,90 |

AA P/R

Straight blade impeller

Ventilador de alta presión para transporte de material sólido



MANUFACTURING FEATURES

- Rolling steel sheet housing.
- Fully welded housing.
- Straight blade impeller manufactured in rolled steel sheet and epoxy-polyester finishing coat.
- Standard asynchronous squirrel-cage motor with IP-55 protection and class F insulation. Manufactured with standard voltages: 230/400V 50Hz in three phase motors up to 4kW and 400/690V 50Hz for higher powers.
- Standard orientation LG270.

APPLICATIONS

- Designed for inline installation, they are suitable for:
- Industrial applications, extraction or injection of air.
 - Cooling of machines and parts.
 - Clean air transport.
 - Exhaust after filters, separators and cyclones.
 - Pneumatic transport.
 - Maximum working temperature: carried air 130°C, environment 60°C.

UNDER REQUEST

- 2 speed motors.
- Orientations: LG0, LG45, LG90, LG135, LG180, LG225, LG315.

CARACTERÍSTICAS CONSTRUCTIVAS

- Carcasa fabricada en chapa de acero laminado.
- Carcasa totalmente soldada.
- Turbina de pala recta fabricada en chapa de acero protegida contra la corrosión mediante recubrimiento en polvo de resina epoxy-poliéster.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Orientación estándar LG270.

APLICACIONES

- Diseñados para instalación en conducto, son indicados para:
- Procesos industriales, extracción o inyección localizada.
 - Refrigeración de máquinas, enfriamiento de piezas.
 - Transporte de aire limpio.
 - Aspiración después de filtros, separadores y ciclones.
 - Transporte neumático.
 - Temperatura máxima de trabajo en continuo: aire transportado 130°C, ambiente: 60°C.

BAJO DEMANDA

- Motores de 2 velocidades.
- Orientación: LG0, LG45, LG90, LG135, LG180, LG225, LG315.

ACCESSORIES | ACCESORIOS



INT pg.434

Safety switch.
Interrupor de corte.



SFC pg.433

Frecuency speed controller.
Variador de velocidad frecuencial.



BA-400 pg.416

Anti-vibrating flange 400^o/2h. flexible.
Brida antivibratoria 400^o/2h.



AC pg.411

Connexion flange.
Brida de connexion.



JE 45 pg.416

Flexible joint.
Junta elástica.



SIL-C pg.426

Duct circular silencer.
Silenciador circular conducto.



EI pg.412

Outlet flange.
Embocadura impulsión.



BAD pg.416

Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m ³ /h | Sound dB (A) | Weight Kg | R.R.P € |
|-----------|----------------------|--------|-------------|------|---------------|----------------------------|---------------|-----------|----------|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. | I nom. (A) | | P. Nom. kW | Q máx. m ³ /h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 255120160 | AA 45/5 T2 2,2kW P/R | 2800 | 7,97 | 4,58 | 2,2 | 2.900 | 79 | 68 | 2.131,90 |
| 255120161 | AA 45/5 T2 3kW P/R | 2870 | 10,3 | 5,92 | 3 | 3.100 | 80 | 69 | 2.173,80 |
| 255150160 | AA 50/5 T2 4kW P/R | 2890 | 13,3 | 7,63 | 4 | 3.100 | 83 | 119 | 2.338,70 |
| 255150161 | AA 50/5 T2 5,5kW P/R | 2900 | - | 10,6 | 5,5 | 4.000 | 84 | 120 | 2.714,00 |
| 255520160 | AA 60/7 T2 11kW P/R | 2930 | - | 20,8 | 11 | 3.000 | 85 | 177 | 3.256,40 |
| 255520162 | AA 60/7 T2 15kW P/R | 2935 | - | 27,4 | 15 | 5.100 | 85 | 177 | 3.409,40 |

AAZA

High pressure fan for transport of solid material

Ventilador de alta presión para transporte de material sólido



MANUFACTURING FEATURES

- Fan made of Fe360 sheet. The fan paint finish is based on a Qualicoat polyester powder coating stoved at 200°C, with an average film thickness of 70 microns. Average heat resistance of coating is 180°C with peaks of 200°C.
- Fully welded housing.
- High efficiency single inlet straight blade impeller made of Fe360 sheet statically and dynamically balanced.
- Impellers are painted with epoxy primer that resists temperatures up to 300°C.
- Standard asynchronous squirrel-cage motor with IP-55 protection and class F insulation. Manufactured with standard voltages: 230/400V 50Hz in three phase motors up to 4kW and 400/690V 50Hz for higher powers.
- Standard orientation LG270.
- It allows adjusting the orientation locally from models 400 to 630. Models sizes from 710 to 1000 size the orientation is fixed.
- Optional front support.

APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, extraction or injection of air.
- Cooling of machines and parts.
- Clean and dusty air transport.
- Exhaust after filters, separators and cyclones.
- Pneumatic transport.
- Maximum working temperature: carried air 130°C, environment 60°C.

UNDER REQUEST

- 2 speed motors.
- Non-sparking air passage and standard motor.
- Fan prepared for air up to 250°C (depending on model).
- Hot-dipped galvanised or stainless steel fans.
- With cooling impeller.
- Orientación: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180, LG225, LG315.

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador fabricado en chapa Fe360. La pintura de los ventiladores está formulada a base de poliéster en polvo Qualicoat polimerizada a 200°C con un grosor medio de 70 micras. La resistencia térmica media de la pintura es de 180°C con picos de 200°C.
- Carcasa totalmente soldada.
- Turbina de pala radial y simple aspiración, fabricada en Fe360 equilibrada estática y dinámicamente. Las turbinas se pintan con imprimación epoxídica con una resistencia térmica de 300°C.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Orientación estándar LG270.
- Permite variar la orientación en destino, en los modelos del 400 al 630. En los tamaños que van del 710 al 1000, la orientación es fija.
- Pie delantero opcional.

APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Transporte de aire polvoriento o con carga de materiales granulados incluso materiales filamentosos.
- Aspiración después de filtros, separadores y ciclones.
- Transporte neumático.
- Temperatura máxima de trabajo en continuo: aire transportado 130°C, ambiente: 60°C.

BAJO DEMANDA

- Motor 2 velocidades.
- Paso de aire antichispas y motor estándar.
- Ventilador preparado con rodete de refrigeración para trabajar hasta 250°C.
- Ventiladores fabricados en chapa galvanizada en caliente o acero inoxidable.
- Con rodete de refrigeración.
- Orientación: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180, LG225, LG315.

ACCESSORIES | ACCESORIOS



INT pg.434
Safety switch.
Interrupción de corte.



SFC pg.433
Frequency speed controller.
Variador de velocidad frecuencial.



RA pg.400
Inlet protection guard.
Rejilla aspiración.



AC pg.411
Connexion flange.
Brida de conexión.



JE 45 pg.416
Flexible joint.
Junta elástica.



SIL-C pg.426
Duct circular silencer.
Silenciador circular conducto.



EI pg.412
Outlet flange.
Embocadura impulsión.



BAD pg.416
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



BA-400 pg.416
Anti-vibrating flange 400º/2h. flexible.
Brida antivibratoria 400º/2h.



FS pg.409
Front support for medium and high pressure fans
Pie soporte delantero para ventiladores de media y alta presión



AB pg.425
Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals



RI pg.398
Outlet protection guard.
Reja de protección.



AVR pg.422
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



AVS pg.423
Spring anti-vibration blocks.
Amortiguador de muelles.

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | Rat. R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|--------------------|-------------|-------------|------|---------------|---------------|---------------|-----------|-----------|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I nom. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € |
| | | | 230V | 400V | | | | | |
| 502904017 | AAZA 400 T2 0,75kW | 2800 | 2,75 | 1,58 | 0,75 | 430 | 71 | 39 | 1.541,80 |
| 502904018 | AAZA 400 T2 1,1kW | 2800 | 4,05 | 2,33 | 1,1 | 470 | 72 | 39 | 1.560,70 |
| 502904518 | AAZA 450 T2 1,1kW | 2800 | 4,05 | 2,33 | 1,1 | 540 | 74 | 42 | 1.670,30 |
| 502904519 | AAZA 450 T2 1,5kW | 2800 | 5,46 | 3,14 | 1,5 | 650 | 74 | 45 | 1.735,80 |
| 502905027 | AAZA 500 T2 2,2kW | 2800 | 7,97 | 4,58 | 2,2 | 870 | 77 | 55 | 2.074,60 |
| 502905029 | AAZA 500 T2 3kW | 2870 | 10,3 | 5,92 | 3 | 870 | 77 | 63 | 2.197,70 |
| 502905629 | AAZA 560 T2 3kW | 2870 | 10,3 | 5,92 | 3 | 940 | 80 | 89 | 2.611,60 |
| 502905632 | AAZA 560 T2 4kW | 2890 | 13,3 | 7,63 | 4 | 1.230 | 80 | 100 | 2.685,60 |
| 502906334 | AAZA 630 T2 5,5kW | 2900 | - | 10,6 | 5,5 | 1.440 | 84 | 134 | 3.225,60 |
| 502906336 | AAZA 630 T2 7,5kW | 2900 | - | 14,1 | 7,5 | 1.800 | 85 | 134 | 3.335,30 |
| 502907121 | AAZA 710 T2 11kW | 2930 | - | 20,8 | 11 | 2.520 | 89 | 218 | 4.509,90 |
| 502907136 | AAZA 710 T2 7,5kW | 2900 | - | 14,1 | 7,5 | 1.230 | 87 | 202 | 3.861,20 |
| 502908024 | AAZA 800 T2 15kW | 2930 | - | 27,4 | 15 | 2.520 | 92 | 262 | 5.541,70 |
| 502908026 | AAZA 800 T2 18,5kW | 2935 | - | 34,4 | 18,5 | 2.880 | 93 | 277 | 5.778,80 |
| 502908056 | AAZA 800 T4 3kW | 1430 | 10,7 | 6,17 | 3 | 1.800 | 76 | 195 | 4.394,90 |
| 502908059 | AAZA 800 T4 4kW | 1440 | 14,5 | 8,32 | 4 | 1.800 | 77 | 202 | 4.521,00 |
| 502909061 | AAZA 900 T4 5,5kW | 1440 | - | 10,5 | 5,5 | 2.520 | 79 | 307 | 6.356,20 |
| 502909063 | AAZA 900 T4 7,5kW | 1440 | - | 14,1 | 7,5 | 2.880 | 79 | 341 | 6.520,60 |
| 502910049 | AAZA 1000 T4 11kW | 1460 | - | 21,2 | 11 | 4.000 | 82 | 410 | 10.335,90 |
| 502910063 | AAZA 1000 T4 7,5kW | 1440 | - | 14,1 | 7,5 | 3.240 | 80 | 370 | 9.817,10 |

Put a Storm in every industrial application
Un Storm para cada aplicación industrial



Different configurations of free shaft without motor or belt driven motor

Eje libre sin motor o motor a transmisión en diferentes configuraciones



AATVA



AATVP



AATVM



AATVC



AATVG



AATZA



MANUFACTURING FEATURES

- Rolling steel sheet housing, fully welded and protected against corrosion with epoxy powder finishing coat.
- High efficiency single inlet backward curved impeller manufactured in rolling steel sheet protected against corrosion with epoxy powder finishing coat. AATZA range with straight blade impeller in steel sheet protected with epoxy powder.
- The fan is supplied with free axle (sist.1), that is: without motor, pulleys or belts or with motor and transmission set (syst.9 and 12).
- For models with motor: standard squirrel cage asynchronous motor with IP-55 protection and class F insulation. Standard voltages 230/400V 50Hz for three-phase motors up to 4kW and 400/690V 50Hz for higher powers.
- Front support included from size 710. Not available for lower sizes (AATVA - front support not available).

APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, air extraction or injection.
- Cooling of machines and parts.
- Pneumatic transport.
- Clean air (AATVA, AATVC) or slightly dusty air transport (AATVP, AATVG/N, AATVM).
- Transport of solid material and textile fibers (AZZA).

UNDER REQUEST

- Fully equipped fans including motor, pulleys, belts, belts guard and shaft guard. Assembled on a base plate.
- Spark-proof fans with ATEX certified motor. Other ATEX classifications: contact us.
- Fans for air working temperatures up to 250°C, 300°C or 450°C.
- Hot-dipped galvanised or stainless steel fans.
- With cooling impeller.

This is a belt driven range, each model can be manufactured at different rpm, in case of order should be indicated the desired rpm for the correct operation of the unit and according to the needs.

CARACTERÍSTICAS CONSTRUCTIVAS

- Carcasa fabricada en chapa de acero laminado totalmente soldada y protegida contra la corrosión mediante recubrimiento en polvo de resina epoxy.
- Turbina de álabes curvados hacia atrás (a reacción) de simple aspiración y alto rendimiento, fabricada en chapa de acero laminado y recubierta contra la corrosión en polvo de resina epoxy. La serie AATZA lleva turbina de pala recta en chapa de acero protegida con epoxy.
- El ventilador se suministra a eje libre (sist.1), es decir: sin motor, poleas ni correas o con motor y conjunto de transmisión (sist.9 y 12).
- Para modelos con motor: motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Pie delantero incluido a partir del tamaño 710. No disponible para tamaños inferiores (AATVA - pie delantero no disponible).

APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Transporte neumático.
- Transporte de aire limpio (AATVA, AATVC) o ligeramente polvoriento (AATVP, AATVG/N, AATVM).
- Transporte de materia sólida y fibra textil (AZZA).

BAJO DEMANDA

- Ventiladores completos que incluyen: motor, poleas, correas, protector de correas y de eje. Montados sobre bancada general.
- Ventiladores antichispas con motor estándar.
- Ventilador para aire hasta 250°C, 300°C o 450°C.
- Ventiladores fabricados en chapa galvanizada en caliente o acero inoxidable.
- Con rodete de refrigeración.

Esta gama es a transmisión, cada modelo se puede fabricar a distintas rpm, en caso de pedido se debe indicar las rpm a las que desea el equipo para que el modelo quede correctamente definido y sea adecuado a sus necesidades.

ATEX OPTIONS UNDER REQUEST | OPCIONES ATEX BAJO DEMANDA

Three-phase MOTOR explosion-proof under the ATEX 2014/34/EU Directive for working temperatures from -20°C to +40°C

MOTORES trifásicos antiexplosivos bajo Directiva ATEX 2014/34/EU para temperaturas de trabajo de -20°C a +40°C

- ATEX Explosion-proof for GAS | ATEX Antideflagrantes para GAS

⊕II2G Ex-d IIB T4 IP66

⊕II2G Ex-d IIC T4 IP66 (OPTIONAL PTC PROBE | SONDA PTC OPCIONAL)

⊕II2G Ex-d IIC T5 IP66

- ATEX Increased security for GAS | ATEX Seguridad aumentada para GAS:

⊕II2G Ex-e T3 IP55

- ATEX Protection "n" for GAS | ATEX Protección "n" para GAS:

⊕II3G Ex-nA IIC T4 Gc

- ATEX Protection "n" for GAS and NON-CONDUCTIVE DUST |

ATEX Protección "n" para GAS y POLVO NO CONDUCTOR:

⊕II3GD Ex-na IIC T4 Gc Ex-tc IIB T125° IP55 ZONA 22

- ATEX Explosion-proof for GAS and DUST | ATEX Antideflagrantes para GAS y POLVO:

⊕II2GD Ex-d IIC T4 IP66

⊕II2GD Ex-d IIC T5 IP66

- ATEX Increased security for DUST | ATEX Seguridad aumentada para POLVO:

⊕II3D Ex-e Dc

- ATEX Protection by enclosure for DRIVER DUST | ATEX Protección por recinto

para POLVO CONDUCTOR:

⊕II3D Ex-tc IIC T125° Dc IP55 ZONA 22

To carry out the selection of an ATEX fan, please use the curves that you will find in the Fanware by Casals selection software. The electrical data of these ATEX models can be modified.

Para llevar a cabo la selección de un ventilador ATEX, por favor use las curvas que encontrará en el programa de selección Fanware by Casals. Los datos eléctricos de estos Modelos ATEX pueden verse modificados.

ACCESSORIES | ACCESORIOS



INT pg.434
 Safety switch.
 Interruptor de corte.



SFC pg.433
 Frequency speed controller.
 Variador de velocidad frecuencial.



RA pg.400
 Inlet protection guard.
 Rejilla aspiración.



AC pg.411
 Connexion flange.
 Brida de conexión.



JE 45 pg.416
 Flexible joint.
 Junta elástica.



SIL-C pg.426
 Duct circular silencer.
 Silenciador circular conducto.



EI pg.412
 Outlet flange.
 Embocadura impulsión.



BAD pg.416
 Circular-Circular coupling flange.
 Brida de acoplamiento circular-circular.



BA-400 pg.416
 Anti-vibrating flange 400º/2h.
 flexible.
 Brida antivibratoria
 400º/2h.



FS pg.409
 Front support for medium and high
 pressure fans
 Pie soporte delantero para venti-
 ladores de media y alta presión



AB pg.425
 Acoustic cabins for Casals
 centrifugal fans
 Cabinas acústicas para venti-
 ladores centrifugos Casals



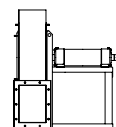
RI pg.398
 Outlet protection guard.
 Reja de protección.



AVR pg.422
 Anti-vibration rubber block.
 Amortiguador antivibrátil de
 caucho.



AVS pg.423
 Spring anti-vibration blocks.
 Amortiguador de muelles.



FAN EXECUTION 1 (FREE SHAFT) | VENTILADOR SISTEMA 1 (EJE LIBRE SIN BANCADA)

AATVA - High pressure belt driven fan for clean air | Ventilador a transmisión de alta presión para aire limpio

| Code | Model | Máx. R.P.M. | Máx. power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|-----------|-----------------------|-------------|------------------|---------------|---------------|-----------|----------|
| Código | Modelo | RPM máx. | Potencia máx. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 505603500 | AATVA 350/P (sist 1) | 3500 | 1,1 | 231 | 54 | (s.1) 28 | 1.659,00 |
| 505604000 | AATVA 400/P (sist 1) | 3500 | 1,5 | 350 | 58 | (s.1) 35 | 1.824,90 |
| 505604500 | AATVA 450/P (sist 1) | 3500 | 3 | 360 | 60 | (s.1) 38 | 1.984,40 |
| 505605000 | AATVA 500/P (sist 1) | 3500 | 3 | 350 | 60 | (s.1) 42 | 2.045,40 |
| 505605600 | AATVA 560/P (sist 1) | 3500 | 3 | 370 | 65 | (s.1) 65 | 2.761,40 |
| 505606300 | AATVA 630/P (sist 1) | 3500 | 5,5 | 525 | 67 | (s.1) 70 | 3.053,30 |
| 505607100 | AATVA 710/P (sist 1) | 3500 | 7,5 | 750 | 70 | (s.1) 100 | 3.658,00 |
| 505608000 | AATVA 800/P (sist 1) | 3500 | 11 | 1.030 | 73 | (s.1) 125 | 4.355,30 |
| 505609000 | AATVA 900/P (sist 1) | 3200 | 18,5 | 1.410 | 74 | (s.1) 220 | 5.650,90 |
| 505610000 | AATVA 1000/P (sist 1) | 2950 | 22 | 1.770 | 75 | (s.1) 330 | 7.967,10 |

AATVP - High pressure belt driven fan for clean or slightly dusty air | Ventilador a transmisión de alta presión para aire limpio o ligeramente polvoriento

| Code | Model | Máx. R.P.M. | Máx. power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|-----------|---------------------|-------------|------------------|---------------|---------------|-----------|--------------------|
| Código | Modelo | RPM máx. | Potencia máx. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 505504000 | AATVP 400 (sist 1) | 3500 | 1,5 | 685 | 51 | (s.1) 40 | 1.984,40 |
| 505504500 | AATVP 450 (sist 1) | 3500 | 3 | 1.000 | 55 | (s.1) 65 | 2.135,60 |
| 505505000 | AATVP 500 (sist 1) | 3500 | 7,5 | 1.370 | 56 | (s.1) 80 | 2.643,80 |
| 505505600 | AATVP 560 (sist 1) | 3500 | 7,5 | 1.860 | 59 | (s.1) 100 | 3.183,60 |
| 505506300 | AATVP 630 (sist 1) | 3500 | 11 | 2.740 | 62 | (s.1) 133 | 3.811,40 |
| 505507100 | AATVP 710 (sist 1) | 3500 | 22 | 3.920 | 65 | (s.1) 183 | 4.538,00 |
| 505508000 | AATVP 800 (sist 1) | 3500 | 30 | 5.390 | 68 | (s.1) 218 | 5.533,30 |
| 505509000 | AATVP 900 (sist 1) | 3300 | 55 | 7.610 | 69 | (s.1) 320 | 6.973,90 |
| 505510000 | AATVP 1000 (sist 1) | 3300 | 75 | 9.570 | 72 | (s.1) 457 | 9.355,30 |
| 505511200 | AATVP 1120 (sist 1) | 2950 | 90 | 12.080 | 72 | (s.1) 481 | Consult Consultar |

AATVM - High pressure belt driven fan for clean or slightly dusty air | Ventilador a transmisión de alta presión para aire limpio o ligeramente polvoriento

| Code | Model | Máx. R.P.M. | Máx. power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|-----------|---------------------|-------------|------------------|---------------|---------------|------------|--------------------|
| Código | Modelo | RPM máx. | Potencia máx. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 505103500 | AATVM 350 (sist 1) | 3500 | 3 | 1.760 | 60 | (s.1) 35 | 1.665,30 |
| 505104000 | AATVM 400 (sist 1) | 3500 | 7,5 | 2.200 | 61 | (s.1) 52 | 1.833,30 |
| 505104500 | AATVM 450 (sist 1) | 3500 | 7,5 | 3.715 | 66 | (s.1) 76 | 2.118,90 |
| 505105000 | AATVM 500 (sist 1) | 3500 | 18,5 | 4.810 | 67 | (s.1) 91 | 2.538,80 |
| 505105600 | AATVM 560 (sist 1) | 3500 | 22 | 7.850 | 73 | (s.1) 118 | 3.246,60 |
| 505106300 | AATVM 630 (sist 1) | 3500 | 37 | 10.650 | 73 | (s.1) 160 | 3.861,80 |
| 505107100 | AATVM 710 (sist 1) | 3500 | 45 | 13.600 | 77 | (s.1) 237 | 5.188,90 |
| 505108000 | AATVM 800 (sist 1) | 3450 | 55 | 17.000 | 80 | (s.1) 285 | 6.810,10 |
| 505109000 | AATVM 900 (sist 1) | 3200 | 90 | 23.750 | 79 | (s.1) 437 | 8.620,20 |
| 505110000 | AATVM 1000 (sist 1) | 3200 | 200 | 35.570 | 81 | (s.1) 690 | 11.509,70 |
| 505111200 | AATVM 1120 (sist 1) | 2800 | 200 | 41.200 | 85 | (s.1) 738 | Consult Consultar |
| 505112500 | AATVM 1250 (sist 1) | 2500 | 200 | 47.810 | 85 | (s.1) 1105 | Consult Consultar |
| 505114000 | AATVM 1400 (sist 1) | 2000 | 200 | 55.750 | 83 | (s.1) 1288 | Consult Consultar |
| 505116000 | AATVM 1600 (sist 1) | 1800 | 315 | 77.800 | 84 | (s.1) 1713 | Consult Consultar |
| 505118000 | AATVM 1800 (sist 1) | 1650 | 315 | 90.100 | 86 | (s.1) 2370 | Consult Consultar |
| 505120000 | AATVM 2000 (sist 1) | 1450 | 315 | 104.500 | 86 | (s.1) 3064 | Consult Consultar |

AATVC - High pressure belt driven fan for clean air | Ventilador a transmisión de alta presión para aire limpio

| Code | Model | Máx. R.P.M. | Máx. power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|-----------|---------------------|-------------|------------------|---------------|---------------|-----------|---------------------|
| Código | Modelo | RPM máx. | Potencia máx. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 505205000 | AATVC 500 (sist 1) | 3500 | 5,5 | 1.000 | 59 | (s.1) 63 | 2.616,50 |
| 505205600 | AATVC 560 (sist 1) | 3500 | 5,5 | 1.450 | 62 | (s.1) 79 | 3.212,80 |
| 505206300 | AATVC 630 (sist 1) | 3500 | 11 | 1.850 | 64 | (s.1) 131 | 3.845,00 |
| 505207100 | AATVC 710 (sist 1) | 3500 | 15 | 2.500 | 67 | (s.1) 181 | 4.556,80 |
| 505208000 | AATVC 800 (sist 1) | 3500 | 22 | 3.500 | 68 | (s.1) 199 | 5.577,50 |
| 505209000 | AATVC 900 (sist 1) | 3200 | 37 | 4.375 | 70 | (s.1) 310 | 6.908,70 |
| 505210000 | AATVC 1000 (sist 1) | 3200 | 55 | 6.325 | 73 | (s.1) 452 | 9.086,40 |
| 505211200 | AATVC 1120 (sist 1) | 2950 | 90 | 8.350 | 74 | (s.1) 470 | Consult Consultar |
| 505212500 | AATVC 1250 (sist 1) | 2600 | 90 | 9.750 | 76 | (s.1) 800 | Consult Consultar |

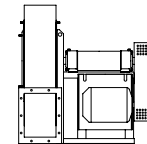
AATVG - High pressure belt driven fan for clean air | Ventilador a transmisión de alta presión para aire limpio

| Code | Model | Máx. R.P.M. | Máx. power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|-----------|-----------------------|-------------|------------------|---------------|---------------|-----------|-----------|
| Código | Modelo | RPM máx. | Potencia máx. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 505304500 | AATVG/N 450 (sist 1) | 3500 | 7,5 | 1.870 | 59 | (s.1) 73 | 2.421,20 |
| 505305000 | AATVG/N 500 (sist 1) | 3500 | 15 | 2.550 | 61 | (s.1) 88 | 2.921,00 |
| 505305600 | AATVG/N 560 (sist 1) | 3500 | 18,5 | 3.650 | 64 | (s.1) 115 | 3.420,80 |
| 505306300 | AATVG/N 630 (sist 1) | 3500 | 30 | 5.200 | 67 | (s.1) 155 | 4.021,40 |
| 505307100 | AATVG/N 710 (sist 1) | 3500 | 45 | 9.320 | 74 | (s.1) 237 | 5.237,20 |
| 505308000 | AATVG/N 800 (sist 1) | 3500 | 55 | 11.780 | 77 | (s.1) 279 | 7.005,30 |
| 505309000 | AATVG/N 900 (sist 1) | 3100 | 90 | 16.200 | 75 | (s.1) 436 | 8.855,50 |
| 505310000 | AATVG/N 1000 (sist 1) | 2900 | 132 | 21.100 | 76 | (s.1) 590 | 11.736,60 |

AATZA - High pressure belt driven fan for transporting solid material | Ventilador a transmisión de alta presión para transporte de material sólido

| Code | Model | Máx. R.P.M. | Máx. power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|-----------|---------------------|-------------|------------------|---------------|---------------|-----------|-----------|
| Código | Modelo | RPM máx. | Potencia máx. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 505004000 | AATZA 400 (sist 1) | 3500 | 4 | 630 | 54 | (s.1) 37 | 2.026,40 |
| 505004500 | AATZA 450 (sist 1) | 3500 | 5,5 | 830 | 58 | (s.1) 48 | 2.154,50 |
| 505005000 | AATZA 500 (sist 1) | 3500 | 5,5 | 1.125 | 62 | (s.1) 68 | 2.543,10 |
| 505005600 | AATZA 560 (sist 1) | 3500 | 7,5 | 1.555 | 65 | (s.1) 91 | 3.141,50 |
| 505006300 | AATZA 630 (sist 1) | 3300 | 9 | 2.200 | 67 | (s.1) 118 | 3.618,20 |
| 505007100 | AATZA 710 (sist 1) | 2900 | 11 | 2.510 | 68 | (s.1) 179 | 4.424,50 |
| 505008000 | AATZA 800 (sist 1) | 2600 | 15 | 3.760 | 66 | (s.1) 217 | 5.495,50 |
| 505009000 | AATZA 900 (sist 1) | 2300 | 18,5 | 4.790 | 68 | (s.1) 280 | 7.475,80 |
| 505010000 | AATZA 1000 (sist 1) | 2100 | 22 | 5.770 | 70 | (s.1) 365 | 10.947,00 |

FAN EXECUTION 9 (WITH BACKPACK) | VENTILADOR SISTEMA 9 (CON MOCHILA)



AATVA - High pressure belt driven fan for clean air | Ventilador a transmisión de alta presión para aire limpio

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | |
|-----------------------|-----------------------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 |
| AATVA 350/P (sist 9) | 2.993,40 | 3.009,60 | 3.014,10 | 3.132,50 | | | | | | | | | | | |
| AATVA 400/P (sist 9) | 3.250,40 | 3.266,50 | 3.271,10 | 3.389,40 | 3.431,10 | | | | | | | | | | |
| AATVA 450/P (sist 9) | 3.438,20 | 3.454,20 | 3.458,80 | 3.577,20 | 3.618,80 | 3.923,70 | 4.004,30 | | | | | | | | |
| AATVA 500/P (sist 9) | 3.729,70 | 3.745,80 | 3.750,30 | 3.868,70 | 3.910,30 | 4.215,20 | 4.295,90 | | | | | | | | |
| AATVA 560/P (sist 9) | 4.638,80 | 4.654,90 | 4.659,50 | 4.777,90 | 4.819,50 | 5.124,40 | 5.205,00 | | | | | | | | |
| AATVA 630/P (sist 9) | 5.085,90 | 5.102,00 | 5.106,60 | 5.224,90 | 5.266,60 | 5.571,50 | 5.652,10 | 5.825,10 | 6.133,10 | | | | | | |
| AATVA 710/P (sist 9) | | 5.813,60 | 5.818,10 | 5.936,60 | 5.978,20 | 6.283,10 | 6.363,70 | 6.536,70 | 6.844,70 | 6.999,70 | | | | | |
| AATVA 800/P (sist 9) | | | 6.796,50 | 6.914,80 | 6.956,50 | 7.261,40 | 7.342,00 | 7.515,00 | 7.822,90 | 7.978,00 | 8.295,00 | 8.863,40 | | | |
| AATVA 900/P (sist 9) | | | | | 8.480,80 | 8.785,60 | 8.866,20 | 9.039,30 | 9.347,20 | 9.502,20 | 9.819,30 | 10.387,70 | 10.583,20 | 11.089,30 | |
| AATVA 1000/P (sist 9) | | | | | | | 10.588,30 | 10.761,20 | 11.069,20 | 11.224,30 | 11.541,30 | 12.109,70 | 12.305,20 | 12.811,20 | 12.950,50 |

AATVP - High pressure belt driven fan for clean or slightly dusty air | Ventilador a transmisión de alta presión para aire limpio o ligeramente polvoriento

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | |
|---------------------|-----------------------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 |
| AATVP 400 (sist 9) | 3.438,20 | 3.454,20 | 3.458,80 | 3.577,20 | 3.618,80 | | | | | | | | | | |
| AATVP 450 (sist 9) | 3.616,10 | 3.632,10 | 3.636,70 | 3.755,10 | 3.796,70 | 4.101,60 | 4.182,20 | | | | | | | | |
| AATVP 500 (sist 9) | 4.433,70 | 4.449,80 | 4.454,40 | 4.572,70 | 4.614,40 | 4.919,30 | 4.999,90 | 5.172,90 | | | | | | | |
| AATVP 560 (sist 9) | 5.135,40 | 5.151,50 | 5.156,10 | 5.274,40 | 5.316,10 | 5.621,00 | 5.701,50 | 5.874,60 | | | | | | | |
| AATVP 630 (sist 9) | | | 5.998,40 | 6.116,70 | 6.158,50 | 6.463,40 | 6.544,00 | 6.716,90 | 7.025,00 | 7.180,00 | | | | | |
| AATVP 710 (sist 9) | | | | | 7.013,40 | 7.318,20 | 7.398,80 | 7.571,90 | 7.879,80 | 8.034,80 | 8.351,80 | 8.920,30 | 9.115,80 | 9.621,90 | |
| AATVP 800 (sist 9) | | | | | | | 8.727,80 | 8.900,90 | 9.208,80 | 9.363,90 | 9.680,90 | 10.249,30 | 10.444,80 | 10.950,90 | 11.090,20 |
| AATVP 900 (sist 9) | | | | | | | | 10.595,70 | 10.903,60 | 11.058,70 | 11.375,70 | 11.944,10 | 12.139,60 | 12.645,70 | 12.785,00 |
| AATVP 1000 (sist 9) | | | | | | | | | | 13.902,20 | 14.219,20 | 14.787,70 | 14.983,20 | 15.489,30 | 15.628,60 |

AATVM - High pressure belt driven fan for clean or slightly dusty air | Ventilador a transmisión de alta presión para aire limpio o ligeramente polvoriento

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | | |
|---------------------|-----------------------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 |
| AATVM 350 (sist 9) | 3.000,80 | 3.016,90 | 3.021,50 | 3.139,90 | 3.181,50 | 3.486,40 | 3.567,00 | | | | | | | | | | |
| AATVM 400 (sist 9) | 3.260,10 | 3.276,30 | 3.280,80 | 3.399,30 | 3.440,90 | 3.745,80 | 3.826,40 | 3.999,30 | | | | | | | | | |
| AATVM 450 (sist 9) | | 3.612,40 | 3.616,90 | 3.735,20 | 3.776,90 | 4.081,80 | 4.162,40 | 4.335,40 | | | | | | | | | |
| AATVM 500 (sist 9) | | | 4.331,00 | 4.449,30 | 4.491,00 | 4.795,90 | 4.876,40 | 5.049,50 | 5.357,50 | 5.512,40 | | | | | | | |
| AATVM 560 (sist 9) | | | | | 5.390,20 | 5.695,10 | 5.775,60 | 5.948,70 | 6.256,70 | 6.411,60 | 6.728,70 | 7.297,20 | 7.492,70 | 7.998,70 | | | |
| AATVM 630 (sist 9) | | | | | | | 6.603,20 | 6.776,20 | 7.084,30 | 7.239,20 | 7.556,20 | 8.124,60 | 8.320,20 | 8.826,30 | | | |
| AATVM 710 (sist 9) | | | | | | | 8.164,70 | 8.337,60 | 8.645,70 | 8.800,70 | 9.117,70 | 9.686,20 | 9.881,70 | 10.387,70 | 10.527,00 | | |
| AATVM 800 (sist 9) | | | | | | | 10.230,00 | 10.403,10 | 10.711,00 | 10.866,10 | 11.183,10 | 11.751,50 | 11.947,00 | 12.453,00 | 12.592,40 | | |
| AATVM 900 (sist 9) | | | | | | | | 12.532,60 | 12.840,60 | 12.995,60 | 13.312,60 | 13.881,00 | 14.076,50 | 14.582,60 | 14.721,90 | 15.778,60 | 16.916,60 |
| AATVM 1000 (sist 9) | | | | | | | | | | 16.437,00 | 16.754,10 | 17.322,50 | 17.518,00 | 18.024,00 | 18.163,30 | 19.220,10 | 20.357,90 |

AATVC - High pressure belt driven fan for clean air | Ventilador a transmisión de alta presión para aire limpio

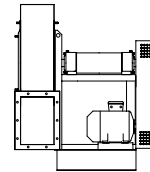
| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | | |
|---------------------|-----------------------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | | |
| AATVC 500 (sist 9) | 4.401,60 | 4.417,70 | 4.422,20 | 4.540,60 | 4.582,40 | 4.887,20 | 4.967,80 | 5.140,80 | 5.448,80 | | | | | | | | |
| AATVC 560 (sist 9) | 5.169,90 | 5.186,00 | 5.190,60 | 5.308,90 | 5.350,60 | 5.655,60 | 5.736,10 | 5.909,10 | 6.217,10 | | | | | | | | |
| AATVC 630 (sist 9) | | 6.033,40 | 6.038,00 | 6.156,30 | 6.198,00 | 6.502,90 | 6.583,50 | 6.756,50 | 7.064,50 | 7.219,50 | 7.536,60 | 8.105,00 | | | | | |
| AATVC 710 (sist 9) | | | | 6.993,80 | 7.035,50 | 7.340,40 | 7.421,00 | 7.594,00 | 7.902,00 | 8.057,00 | 8.374,10 | 8.942,50 | 9.138,00 | | | | |
| AATVC 800 (sist 9) | | | | | 8.394,30 | 8.699,20 | 8.779,80 | 8.952,80 | 9.260,80 | 9.415,80 | 9.732,80 | 10.301,30 | 10.496,80 | 11.002,80 | 11.142,20 | | |
| AATVC 900 (sist 9) | | | | | | | 10.346,20 | 10.519,10 | 10.827,10 | 10.982,20 | 11.299,20 | 11.867,60 | 12.063,10 | 12.569,10 | 12.708,50 | | |
| AATVC 1000 (sist 9) | | | | | | | | | | 13.431,10 | 13.586,00 | 13.903,20 | 14.471,50 | 14.667,00 | 15.173,10 | 15.312,40 | |

AATVG - High pressure belt driven fan for clean air | Ventilador a transmisión de alta presión para aire limpio

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 |
| AATVG/N 450 (sist 9) | 3.951,90 | 3.968,10 | 3.972,60 | 4.090,90 | 4.132,70 | 4.437,60 | 4.518,10 | 4.691,10 | | | | | | | | | |
| AATVG/N 500 (sist 9) | | 4.775,90 | 4.780,50 | 4.898,90 | 4.940,50 | 5.245,40 | 5.326,00 | 5.499,00 | 5.807,00 | 5.962,00 | | | | | | | |
| AATVG/N 560 (sist 9) | | | | 5.553,50 | 5.595,20 | 5.900,00 | 5.980,60 | 6.153,70 | 6.461,60 | 6.616,70 | 6.933,70 | 7.502,10 | 7.697,60 | 8.203,70 | | | |
| AATVG/N 630 (sist 9) | | | | | | 6.710,40 | 6.791,00 | 6.964,10 | 7.272,00 | 7.427,10 | 7.744,10 | 8.312,50 | 8.508,00 | 9.014,10 | | | |
| AATVG/N 710 (sist 9) | | | | | | | 8.221,50 | 8.394,50 | 8.702,50 | 8.857,50 | 9.174,60 | 9.743,00 | 9.938,50 | 10.444,50 | 10.583,80 | | |
| AATVG/N 800 (sist 9) | | | | | | | | | 10.940,80 | 11.095,70 | 11.412,80 | 11.981,30 | 12.176,80 | 12.682,80 | 12.822,10 | | |
| AATVG/N 900 (sist 9) | | | | | | | | | | 13.272,20 | 13.589,20 | 14.157,70 | 14.353,20 | 14.859,30 | 14.998,60 | 16.055,20 | 17.193,10 |
| AATVG/N 1000 (sist 9) | | | | | | | | | | | | 17.784,80 | 18.290,80 | 18.430,10 | 19.486,90 | 20.624,80 | |

AATZA - High pressure belt driven fan for transporting solid material | Ventilador a transmisión de alta presión para transporte de material sólido

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | | |
|---------------------|-----------------------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--|--|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | | |
| AATZA 400 (sist 9) | 3.487,40 | 3.503,60 | 3.508,10 | 3.626,50 | 3.668,10 | 3.973,10 | 4.053,70 | 4.226,60 | | | | | | | | | |
| AATZA 450 (sist 9) | 3.638,20 | 3.654,30 | 3.658,90 | 3.777,20 | 3.818,90 | 4.123,80 | 4.204,40 | 4.377,40 | | | | | | | | | |
| AATZA 500 (sist 9) | 4.315,10 | 4.331,30 | 4.335,80 | 4.454,10 | 4.495,80 | 4.800,70 | 4.881,40 | 5.054,30 | | | | | | | | | |
| AATZA 560 (sist 9) | | 5.102,00 | 5.106,60 | 5.224,90 | 5.266,60 | 5.571,50 | 5.652,10 | 5.825,10 | | | | | | | | | |
| AATZA 630 (sist 9) | | | | 5.889,50 | 5.931,20 | 6.236,10 | 6.316,70 | 6.489,70 | 6.797,70 | 6.952,70 | | | | | | | |
| AATZA 710 (sist 9) | | | | 6.838,10 | 6.879,90 | 7.184,80 | 7.265,40 | 7.438,30 | 7.746,40 | 7.901,40 | 8.218,40 | 8.786,80 | | | | | |
| AATZA 800 (sist 9) | | | | 8.256,20 | 8.297,90 | 8.602,80 | 8.683,40 | 8.856,40 | 9.164,40 | 9.319,50 | 9.636,50 | 10.204,90 | 10.400,40 | | | | |
| AATZA 900 (sist 9) | | | | | | 10.932,60 | 11.013,10 | 11.186,20 | 11.494,20 | 11.649,10 | 11.966,20 | 12.534,60 | 12.730,10 | 13.236,20 | | | |
| AATZA 1000 (sist 9) | | | | | | | 15.138,80 | 15.311,90 | 15.619,90 | 15.774,80 | 16.091,90 | 16.660,30 | 16.855,80 | 17.361,90 | 17.501,20 | | |



FAN CONFIGURATION 12 (WITH BASEMENT) | VENTILADOR SISTEMA 12 (CON BANCADA)

AATVA - High pressure belt driven fan for clean air | Ventilador a transmisión de alta presión para aire limpio

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | |
|------------------------|-----------------------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 |
| AATVA 350/P (sist 12) | 3.359,00 | 3.375,10 | 3.379,70 | 3.498,00 | | | | | | | | | | | |
| AATVA 400/P (sist 12) | 3.826,00 | 3.842,00 | 3.846,60 | 3.965,00 | 4.006,70 | | | | | | | | | | |
| AATVA 450/P (sist 12) | 4.013,80 | 4.029,90 | 4.034,40 | 4.152,80 | 4.194,40 | 4.499,40 | 4.580,00 | | | | | | | | |
| AATVA 500/P (sist 12) | 4.243,50 | 4.259,60 | 4.264,20 | 4.382,50 | 4.424,20 | 4.729,10 | 4.809,70 | | | | | | | | |
| AATVA 560/P (sist 12) | 5.399,70 | 5.415,70 | 5.420,30 | 5.538,70 | 5.580,30 | 5.885,20 | 5.965,80 | | | | | | | | |
| AATVA 630/P (sist 12) | 5.785,10 | 5.801,30 | 5.805,80 | 5.924,10 | 5.965,80 | 6.270,80 | 6.351,30 | 6.524,30 | 6.832,30 | | | | | | |
| AATVA 710/P (sist 12) | | 6.972,20 | 6.976,70 | 7.095,10 | 7.136,70 | 7.441,70 | 7.522,30 | 7.695,30 | 8.003,20 | 8.158,30 | | | | | |
| AATVA 800/P (sist 12) | | | 7.910,60 | 8.028,90 | 8.070,60 | 8.375,50 | 8.456,20 | 8.629,10 | 8.937,10 | 9.092,20 | 9.409,20 | 9.977,60 | | | |
| AATVA 900/P (sist 12) | | | | 9.953,20 | 10.258,10 | 10.338,60 | 10.511,70 | 10.819,70 | 10.974,60 | 11.291,70 | 11.860,20 | 12.055,70 | 12.561,70 | | |
| AATVA 1000/P (sist 12) | | | | | | 13.661,60 | 13.834,50 | 14.142,60 | 14.297,60 | 14.614,60 | 15.183,00 | 15.378,50 | 15.884,60 | 16.023,90 | |

AATVP - High pressure belt driven fan for clean or slightly dusty air | Ventilador a transmisión de alta presión para aire limpio o ligeramente polvoriento

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | |
|---------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|----|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 |
| AATVP 400 (sist 12) | 4.013,80 | 4.029,90 | 4.034,40 | 4.152,80 | 4.194,40 | | | | | | | | | | |
| AATVP 450 (sist 12) | 4.191,60 | 4.207,70 | 4.212,20 | 4.330,60 | 4.372,30 | 4.677,20 | 4.757,80 | | | | | | | | |
| AATVP 500 (sist 12) | 4.947,60 | 4.963,80 | 4.968,30 | 5.086,60 | 5.128,30 | 5.433,20 | 5.513,90 | 5.686,80 | 5.994,80 | 6.149,90 | | | | | |
| AATVP 560 (sist 12) | 5.896,30 | 5.912,40 | 5.917,00 | 6.035,30 | 6.077,00 | 6.381,90 | 6.462,50 | 6.635,50 | 6.943,50 | 7.098,50 | | | | | |
| AATVP 630 (sist 12) | | | 6.697,70 | 6.816,00 | 6.857,70 | 7.162,60 | 7.243,10 | 7.416,20 | 7.724,20 | 7.879,10 | 8.196,30 | 8.764,60 | | | |
| AATVP 710 (sist 12) | | | | 8.171,90 | 8.476,80 | 8.557,40 | 8.730,40 | 9.038,40 | 9.193,40 | 9.510,40 | 10.078,80 | 10.274,30 | 10.780,50 | 10.919,80 | |

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | |
|----------------------|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 |
| AATVP 800 (sist 12) | 9.842,10 | 10.015,10 | 10.323,10 | 10.478,10 | 10.795,20 | 11.363,60 | 11.559,10 | 12.065,10 | 12.204,40 | 13.261,10 | | | | | |
| AATVP 900 (sist 12) | | 12.068,10 | 12.376,10 | 12.531,10 | 12.848,20 | 13.416,60 | 13.612,10 | 14.118,10 | 14.257,40 | 15.314,20 | 16.452,00 | 16.887,90 | 17.750,40 | | |
| AATVP 1000 (sist 12) | | | | 15.582,20 | 15.899,30 | 16.467,70 | 16.663,20 | 17.169,30 | 17.308,60 | 18.365,20 | 19.503,10 | 19.939,10 | 20.801,50 | 22.367,00 | |
| AATVP 1120 (sist 12) | | | | | | 19.714,00 | 19.909,50 | 20.415,50 | 20.554,80 | 21.611,50 | 22.749,40 | 23.185,30 | 24.047,70 | 25.613,20 | 27.240,20 |

AATVM - High pressure belt driven fan for clean or slightly dusty air | Ventilador a transmisión de alta presión para aire limpio o ligeramente polvoriento

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | | | |
|---------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|----|--|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 | |
| AATVM 350 (sist 12) | 3.366,40 | 3.382,60 | 3.387,10 | 3.505,40 | 3.547,20 | 3.852,10 | 3.932,70 | | | | | | | | | | | |
| AATVM 400 (sist 12) | 3.835,80 | 3.852,00 | 3.856,50 | 3.974,90 | 4.016,50 | 4.321,40 | 4.402,10 | 4.575,00 | 4.883,00 | 5.038,10 | | | | | | | | |
| AATVM 450 (sist 12) | | 4.188,00 | 4.192,60 | 4.310,90 | 4.352,60 | 4.657,50 | 4.738,00 | 4.911,10 | 5.219,10 | 5.374,00 | | | | | | | | |
| AATVM 500 (sist 12) | | | 4.844,70 | 4.963,10 | 5.004,70 | 5.309,70 | 5.390,30 | 5.563,30 | 5.871,20 | 6.026,30 | 6.343,30 | 6.911,70 | 7.107,20 | 7.613,30 | | | | |
| AATVM 560 (sist 12) | | | | 6.151,10 | 6.456,00 | 6.536,50 | 6.709,60 | 7.017,60 | 7.172,60 | 7.489,70 | 8.058,10 | 8.253,60 | 8.759,60 | 8.898,90 | | | | |
| AATVM 630 (sist 12) | | | | | | 7.302,40 | 7.475,50 | 7.783,40 | 7.938,50 | 8.255,50 | 8.823,90 | 9.019,40 | 9.525,50 | 9.664,80 | 10.721,50 | 11.859,30 | | |

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | |
|----------------------|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 |
| AATVM 710 (sist 12) | 9.323,40 | 9.496,30 | 9.804,30 | 9.959,40 | 10.276,40 | 10.844,80 | 11.040,30 | 11.546,40 | 11.685,80 | 12.742,40 | 13.880,30 | 14.316,20 | | | |
| AATVM 800 (sist 12) | 11.344,10 | 11.517,20 | 11.825,20 | 11.980,10 | 12.297,20 | 12.865,70 | 13.061,20 | 13.567,20 | 13.706,50 | 14.763,20 | 15.901,10 | 16.337,00 | 17.199,40 | | |
| AATVM 900 (sist 12) | | 14.005,00 | 14.313,00 | 14.468,00 | 14.785,10 | 15.353,50 | 15.549,00 | 16.055,00 | 16.194,30 | 17.251,10 | 18.388,90 | 18.824,90 | 19.687,30 | 21.252,80 | 22.879,70 |
| AATVM 1000 (sist 12) | | | | 18.117,00 | 18.434,10 | 19.002,50 | 19.198,00 | 19.704,00 | 19.843,30 | 20.900,10 | 22.037,90 | 22.473,80 | 23.336,20 | 24.901,80 | 26.528,70 |
| AATVM 1120 (sist 12) | | | | | | | | | | | | | | | |
| AATVM 1250 (sist 12) | | | | | | | | | | | | | | | |
| AATVM 1400 (sist 12) | | | | | | | | | | | | | | | |
| AATVM 1600 (sist 12) | | | | | | | | | | | | | | | |
| AATVM 1800 (sist 12) | | | | | | | | | | | | | | | |
| AATVM 2000 (sist 12) | | | | | | | | | | | | | | | |

Consult | Consultar

CENTRIFUGAL HIGH PRESSURE FANS | BELT DRIVEN CENTRÍFUGOS ALTA PRESIÓN | A TRANSMISIÓN



AATVC - High pressure belt driven fan for clean air | Ventilador a transmisión de alta presión para aire limpio

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|---------------------|-----------------------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | |
| AATVC 500 (sist 12) | 4.915,40 | 4.931,60 | 4.936,10 | 5.054,40 | 5.096,10 | 5.401,00 | 5.481,70 | 5.654,60 | 5.962,60 | | | | | | | |
| AATVC 560 (sist 12) | 5.930,90 | 5.947,00 | 5.951,60 | 6.069,90 | 6.111,60 | 6.416,50 | 6.497,00 | 6.670,10 | 6.978,10 | | | | | | | |
| AATVC 630 (sist 12) | | 6.732,60 | 6.737,10 | 6.855,40 | 6.897,10 | 7.202,00 | 7.282,60 | 7.455,60 | 7.763,60 | 7.918,60 | 8.235,70 | 8.804,10 | | | | |
| AATVC 710 (sist 12) | | | | 10.622,90 | 10.664,60 | 10.969,60 | 11.050,20 | 11.223,10 | 11.531,10 | 11.686,20 | 12.003,20 | 12.571,60 | 12.767,10 | | | |
| AATVC 800 (sist 12) | | | | | 9.508,50 | 9.813,50 | 9.894,00 | 10.067,00 | 10.375,00 | 10.530,00 | 10.847,10 | 11.415,40 | 11.610,90 | 12.117,10 | 12.256,40 | |

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | |
|----------------------|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 |
| AATVC 900 (sist 12) | 11.818,60 | 11.991,60 | 12.299,50 | 12.454,60 | 12.771,60 | 13.340,00 | 13.535,50 | 14.041,50 | 14.180,90 | 15.237,60 | 16.375,50 | | |
| AATVC 1000 (sist 12) | | | 15.110,90 | 15.265,90 | 15.583,00 | 16.151,40 | 16.346,90 | 16.853,00 | 16.992,30 | 18.049,00 | 19.186,80 | 19.622,80 | 20.485,20 |
| AATVC 1120 (sist 12) | | | | | | | | | | | | | |
| AATVC 1250 (sist 12) | | | | | | | | | | | | | |

Consult | Consultar

AATVG - High pressure belt driven fan for clean air | Ventilador a transmisión de alta presión para aire limpio

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|-----------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 |
| AATVG/N 450 (sist 12) | 4.527,60 | 4.543,80 | 4.548,30 | 4.666,60 | 4.708,30 | 5.013,20 | 5.093,80 | 5.266,80 | 5.574,80 | 5.729,80 | | | | | | |
| AATVG/N 500 (sist 12) | | 5.289,90 | 5.294,40 | 5.412,70 | 5.454,50 | 5.759,40 | 5.839,90 | 6.012,90 | 6.321,00 | 6.475,90 | 6.793,00 | 7.361,40 | 7.556,90 | | | |
| AATVG/N 560 (sist 12) | | | | 6.314,40 | 6.356,10 | 6.660,90 | 6.741,60 | 6.914,60 | 7.222,60 | 7.377,60 | 7.694,60 | 8.263,00 | 8.458,50 | 8.964,70 | | |
| AATVG/N 630 (sist 12) | | | | | | 7.409,60 | 7.490,20 | 7.663,20 | 7.971,20 | 8.126,20 | 8.443,20 | 9.011,60 | 9.207,20 | 9.713,20 | 9.852,60 | 10.909,20 |

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | |
|------------------------|-----------------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 |
| AATVG/N 710 (sist 12) | 9.380,20 | 9.553,20 | 9.861,20 | 10.016,20 | 10.333,20 | 10.901,70 | 11.097,20 | 11.603,20 | 11.742,60 | 12.799,20 | 13.937,10 | 14.373,00 | | | |
| AATVG/N 800 (sist 12) | | | 12.054,90 | 12.209,90 | 12.526,90 | 13.095,30 | 13.290,80 | 13.797,00 | 13.936,30 | 14.992,90 | 16.130,80 | 16.566,70 | 17.429,20 | | |
| AATVG/N 900 (sist 12) | | | | 14.744,60 | 15.061,70 | 15.630,20 | 15.825,70 | 16.331,70 | 16.471,00 | 17.527,70 | 18.665,60 | 19.101,40 | 19.963,90 | 21.529,40 | 23.156,30 |
| AATVG/N 1000 (sist 12) | | | | | | | 19.464,70 | 19.970,70 | 20.110,10 | 21.166,80 | 22.304,70 | 22.740,50 | 23.603,00 | 25.168,50 | 26.795,40 |

AATZA - High pressure belt driven fan for transporting solid material | Ventilador a transmisión de alta presión para transporte de material sólido

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | |
|----------------------|-----------------------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 |
| AATZA 400 (sist 12) | 4.063,10 | 4.079,20 | 4.083,80 | 4.202,20 | 4.243,80 | 4.548,70 | 4.629,30 | 4.802,30 | | | | | | | |
| AATZA 450 (sist 12) | 4.213,90 | 4.229,90 | 4.234,60 | 4.352,90 | 4.394,60 | 4.699,40 | 4.780,00 | 4.953,10 | 5.261,10 | | | | | | |
| AATZA 500 (sist 12) | 4.829,00 | 4.845,00 | 4.849,70 | 4.968,00 | 5.009,70 | 5.314,60 | 5.395,10 | 5.568,20 | 5.876,20 | | | | | | |
| AATZA 560 (sist 12) | | 5.863,00 | 5.867,50 | 5.985,90 | 6.027,50 | 6.332,40 | 6.413,10 | 6.586,00 | 6.894,00 | 7.049,10 | | | | | |
| AATZA 630 (sist 12) | | | | 6.588,70 | 6.630,40 | 6.935,30 | 7.015,90 | 7.188,90 | 7.496,90 | 7.651,90 | 7.969,00 | | | | |
| AATZA 710 (sist 12) | | | | 7.996,80 | 8.038,50 | 8.343,40 | 8.424,10 | 8.597,00 | 8.905,00 | 9.060,10 | 9.377,10 | 9.945,50 | | | |
| AATZA 800 (sist 12) | | | | 9.370,50 | 9.412,20 | 9.717,10 | 9.797,60 | 9.970,70 | 10.278,70 | 10.433,60 | 10.750,60 | 11.319,10 | 11.514,60 | | |
| AATZA 900 (sist 12) | | | | | | 12.405,00 | 12.485,60 | 12.658,60 | 12.966,60 | 13.121,60 | 13.438,60 | 14.007,10 | 14.202,60 | 14.708,60 | |
| AATZA 1000 (sist 12) | | | | | | | 16.818,90 | 16.991,90 | 17.299,80 | 17.454,90 | 17.771,90 | 18.340,30 | 18.535,80 | 19.041,90 | 19.181,20 |



Axial fans

Ventiladores helicoidales



HJEM

Wall fan with squared plate Mural con marco cuadrado



MANUFACTURING FEATURES

- Square plate made of galvanized steel sheet with epoxy-polyester finishing coat.
- Aluminium sheet impeller.
- Supplied with motor support and protection guard according to the UNE-EN 294 standard.
- Shaded-pole asynchronous motor with Electromagnetic Compatibility Certification (EMC) according to the EN 55014, EN 61000-3-2 (95) and EN 61000-3-3 (95) Standards; rated Class F isolation and IP-42 protection according to the DIN40050 standard.
- Standard voltages 230V 50Hz.

APPLICATIONS

Designed for wall assembly, they are suitable for:

- Air renewal in all kind of closed environments.
- Maximum working temperature: 50°C.

CARACTERÍSTICAS CONSTRUCTIVAS

- Marco soporte en chapa de acero galvanizado recubierto de pintura epoxy-poliéster.
- Hélice en chapa de aluminio.
- Rejilla soporte motor y de protección contra contactos según norma UNE-EN 294.
- Motores asíncronos de espira de sombra con homologación de Compatibilidad Electromagnética (CEM), según normas EN 55014, EN 61000-3-2 (95) y EN 61000-3-3 (95), aislamiento clase F y grado de protección IP-42 según DIN40050.
- Voltajes estándar a 230V 50Hz.

APLICACIONES

Diseñados para montaje en pared, son indicados para:

- Renovación de aire en todo tipo de locales.
- Temperatura máxima de trabajo en continuo: 50°C.



ACCESSORIES | ACCESORIOS



REG pg.431

Speed controller for single phase motors.
Regulador de velocidad monofásico.



INT pg.434

Safety switch.
Interruptor de corte.



RPO pg.396

Outlet protection guard.
Rejilla de protección.



PC2 pg.402

Overpressure damper for facade.
Rejilla de sobrepresión antirretorno.



PCP pg.402

Gravity shutter.
Persiana de sobrepresión.

SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | Rated R.P.M. | Rated I (A) 230V | Rat. power kW | Air flow m ³ /h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|------------|---------------|--------------------|---------------|----------------------------|---------------|-----------|----------|
| Código | Modelo | R.P.M.nominal | I nominal (A) 230V | P Nom. kW | Q máx. m ³ /h | Sonido dB (A) | Peso Kg | P.V.P € |
| 265201103 | HJEM 20 M4 | 1320 | 0,21 | 0,029 | 500 | 24 | 1,5 | 121,60 |
| 265251103 | HJEM 25 M4 | 1370 | 0,35 | 0,054 | 760 | 30 | 2,5 | 141,00 |
| 265301103 | HJEM 30 M4 | 1260 | 0,7 | 0,075 | 1.220 | 36 | 3,5 | 171,20 |
| 265351103 | HJEM 35 M4 | 1320 | 0,75 | 0,08 | 1.690 | 42 | 4 | 204,70 |

HJBM

Square wall plate fan, variable pitch blades

Mural con marco cuadrado, pala variable



MANUFACTURING FEATURES

- Square plate made of galvanized steel sheet with epoxy powder finishing coat.
- Polyamide propeller reinforced with fiberglass of variable pitch angle in stop and in origin.
- Motor support grid and contact protection according to UNE-EN 20-359-74. In compliance with directive ROHS 2002/95 / EC (Restriction of hazardous substances in electrical and electronic equipment).
- Standard asynchronous squirrel-cage motor with IP-55 protection (wiring box IP-65) and class F insulation. Standard voltages 230V 50Hz in single phase motors and 230/400V 50Hz in three phase motors.

APPLICATIONS

- Designed for wall assembly, they are suitable for:
- Air renewal in buildings and industries.
 - Maximum working temperature: single phase 50°C, three phase 60°C.

UNDER REQUEST

- B form impeller (air flow from impeller to motor). 5% additional cost.
- 100% reversible impeller. 5% additional cost.
- Aluminium impeller. 15% additional cost
- Special voltages.

CARACTERÍSTICAS CONSTRUCTIVAS

- Marco soporte en chapa de acero galvanizado recubierto de pintura epoxy.
- Hélice de poliamida reforzada con fibra de vidrio de ángulo variable en paro y en origen.
- Rejilla soporte motor y de protección contra contactos según norma UNE-EN 20-359-74. En cumplimiento a la directiva ROHS 2002/95/EC (Restricción de sustancias peligrosas en equipos eléctricos y electrónicos).
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 (caja de conexiones IP-65) y aislamiento clase F. Voltajes Standard 230V 50Hz para motores monofásicos, 230/400V 50Hz para motores trifásicos.

APLICACIONES

- Diseñados para montaje en pared, son indicados para:
- Renovación de aire en todo tipo de edificios e industrias.
 - Temperatura máxima de trabajo en continuo: monofásicos 50°C, trifásicos 60°C.

BAJO DEMANDA

- Hélice impelente (sentido de aire hélice-motor). Incremento 5% sobre PVP
- Hélice reversible 100%. Incremento 5% sobre PVP
- Hélice aluminio. Incremento 15% sobre PVP
- Voltajes especiales.

ACCESSORIES | ACCESORIOS



SFC pg.433

Speed controller for single phase motors.
Regulador de velocidad monofásico.



INT pg.434

Safety switch.
Interruptor de corte.



RPO pg.396

Outlet protection guard.
Rejilla de protección.



PC2 pg.402

Overpressure damper for facade.
Rejilla de sobrepresión anti-retorno.



PCP pg.402

Gravity shutter.
Persiana de sobrepresión.

SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | Rated R.P.M. | Rated I (A) 230V | Rat. power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|-------------------|---------------|--------------------|---------------|---------------|---------------|-----------|----------|
| Código | Modelo | R.P.M.nominal | I nominal (A) 230V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 268352103 | HJBM 35 M2 0,55kW | 2800 | 3,71 | 0,55 | 4.690 | 59 | 7,5 | 418,80 |
| 268362103 | HJBM 35 M4 0,12kW | 1380 | 1,15 | 0,12 | 3.100 | 42 | 6,5 | 404,30 |
| 268402103 | HJBM 40 M4 0,18kW | 1400 | 1,55 | 0,18 | 4.710 | 48 | 9 | 421,00 |
| 268452103 | HJBM 45 M4 0,37kW | 1400 | 2,82 | 0,37 | 6.430 | 48 | 12,5 | 570,40 |
| 268502103 | HJBM 50 M4 0,55kW | 1400 | 3,98 | 0,55 | 8.170 | 50 | 18 | 676,70 |
| 268562103 | HJBM 56 M4 0,75kW | 1400 | 5,21 | 0,75 | 10.600 | 53 | 22 | 727,20 |
| 268412103 | HJBM 40 M6 0,09kW | 920 | 0,92 | 0,09 | 2.770 | 36 | 9 | 458,20 |
| 268512103 | HJBM 50 M6 0,18kW | 850 | 1,7 | 0,18 | 5.290 | 41 | 15 | 637,50 |
| 268572103 | HJBM 56 M6 0,25kW | 870 | 2,42 | 0,25 | 6.840 | 44 | 19 | 707,00 |

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | Rated R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|-------------------|--------------|-------------|------|---------------|---------------|---------------|-----------|----------|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I nom. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| | | | 230V | 400V | | | | | |
| 268352106 | HJBM 35 T2 0,55kW | 2800 | 2,23 | 1,29 | 0,55 | 4.690 | 59 | 7,5 | 410,50 |
| 268362106 | HJBM 35 T4 0,12kW | 1400 | 0,8 | 0,46 | 0,12 | 3.100 | 42 | 6,5 | 383,10 |
| 268402106 | HJBM 40 T4 0,18kW | 1400 | 1,07 | 0,62 | 0,18 | 4.710 | 48 | 9 | 409,50 |
| 268452106 | HJBM 45 T4 0,37kW | 1400 | 1,86 | 1,07 | 0,37 | 6.430 | 48 | 12,5 | 559,90 |
| 268502106 | HJBM 50 T4 0,55kW | 1400 | 2,57 | 1,49 | 0,55 | 8.170 | 50 | 18 | 646,80 |
| 268562106 | HJBM 56 T4 0,75kW | 1390 | 2,83 | 1,63 | 0,75 | 10.600 | 53 | 22 | 672,70 |
| 268412106 | HJBM 40 T6 0,09kW | 840 | 0,88 | 0,51 | 0,09 | 2.770 | 36 | 9 | 452,20 |
| 268512106 | HJBM 50 T6 0,18kW | 900 | 1,26 | 0,72 | 0,18 | 5.290 | 41 | 15 | 626,10 |
| 268572106 | HJBM 56 T6 0,25kW | 900 | 1,61 | 0,92 | 0,25 | 6.840 | 44 | 19 | 639,80 |

HJBM PLUS

Wall fan with squared plate, variable pitch blades and high efficiency motor
Mural con marco cuadrado, pala variable y motor de alta eficiencia



MANUFACTURING FEATURES

- Square plate made of galvanized steel sheet with epoxy-polyester finishing coat.
- Variable pitch angle polyamide impeller reinforced with fibreglass.
- Supplied with motor support and protection guard according to the UNE-EN 20-359-74. In compliance with ROHS 2002/95/EC Directive (Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipments).
- Standard asynchronous squirrel-cage motor with IP-55 protection (wiring box IP-65) and Class F insulation.
- Standard voltages 230V 50Hz in single phase motors and 230/400V 50Hz in three phase motors.

APPLICATIONS

- Designed for wall assembly, they are suitable for:
- Air renewal in buildings and industries.
 - Maximum working temperature: single phase 50°C, three phase 60°C.

UNDER REQUEST

- Aluminium impeller. 15% additional cost.

CARACTERÍSTICAS CONSTRUCTIVAS

- Marco soporte en chapa de acero galvanizado recubierto de pintura epoxy-poliéster.
- Hélice de poliamida reforzada con fibra de vidrio de ángulo variable en paro y en origen.
- Rejilla soporte motor y de protección contra contactos según norma UNE-EN 20-359-74. En cumplimiento a la directiva ROHS 2002/95/EC (Restricción de sustancias peligrosas en equipos eléctricos y electrónicos).
- Motor de alta eficiencia asíncrono de jaula de ardilla con protección IP-55 (caja de conexiones IP-65) y aislamiento clase F.
- Voltajes estándar 230V 50Hz para motores monofásicos, 230/400V 50Hz para motores trifásicos.

APLICACIONES

- Diseñados para montaje en pared, son indicados para:
- Renovación de aire en todo tipo de edificios e industrias.
 - Temperatura máxima de trabajo en continuo: monofásicos 50°C, trifásicos 60°C.

BAJO DEMANDA

- Hélice aluminio. Incremento 15% sobre PVP.

ACCESSORIES | ACCESORIOS



SFC pg.433
Speed controller for single phase motors.
Regulador de velocidad monofásico.



INT pg.434
Safety switch.
Interruptor de corte.



RPO pg.396
Outlet protection guard.
Rejilla de protección.



PC2 pg.402
Overpressure damper for facade.
Rejilla de sobrepresión antirretorno.



PCP pg.402
Gravity shutter.
Persiana de sobrepresión.

SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | Rated R.P.M. | Rated I (A) 230V | Rat. power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|------------------------|----------------|--------------------|---------------|---------------|---------------|-----------|----------|
| Código | Modelo | R.P.M. nominal | I nominal (A) 230V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € |
| 268253103 | HJBM PLUS 25 M2 0,18kW | 2800 | 1,42 | 0,18 | 1.970 | 53 | 4,5 | 339,20 |
| 268303103 | HJBM PLUS 30 M2 0,55kW | 2800 | 3,71 | 0,55 | 3.910 | 56 | 6,5 | 376,90 |
| 268353103 | HJBM PLUS 35 M2 1,1kW | 2800 | 6,71 | 1,1 | 5.760 | 57 | 7,5 | 460,60 |
| 268263103 | HJBM PLUS 25 M4 0,06kW | 1400 | 0,58 | 0,06 | 1.280 | 39 | 4 | 327,50 |
| 268313103 | HJBM PLUS 30 M4 0,08kW | 1370 | 0,9 | 0,08 | 2.200 | 42 | 5 | 363,90 |
| 268363103 | HJBM PLUS 35 M4 0,12kW | 1380 | 1,15 | 0,12 | 2.840 | 42 | 6,5 | 404,30 |
| 268403103 | HJBM PLUS 40 M4 0,25kW | 1400 | 1,93 | 0,25 | 4.690 | 48 | 9 | 463,00 |
| 268453103 | HJBM PLUS 45 M4 0,37kW | 1400 | 2,82 | 0,37 | 6.370 | 49 | 13 | 570,40 |
| 268503103 | HJBM PLUS 50 M4 0,55kW | 1400 | 3,98 | 0,55 | 8.050 | 50 | 18 | 676,70 |
| 268563103 | HJBM PLUS 56 M4 0,75kW | 1390 | 5,21 | 0,75 | 12.000 | 55 | 20 | 727,20 |
| 268413103 | HJBM PLUS 40 M6 0,04kW | 920 | 0,6 | 0,04 | 2.760 | 36 | 9 | 471,90 |
| 268463103 | HJBM PLUS 45 M6 0,13kW | 920 | 1,3 | 0,13 | 4.710 | 41 | 13 | 541,90 |
| 268513103 | HJBM PLUS 50 M6 0,13kW | 920 | 1,3 | 0,13 | 6.040 | 43 | 18 | 649,60 |
| 268573103 | HJBM PLUS 56 M6 0,21kW | 945 | 2 | 0,21 | 7.800 | 45 | 20 | 698,00 |

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | Rated R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|------------------------|--------------|---------------|------|---------------|---------------|---------------|-----------|----------|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I nominal (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € |
| | | | 230V | 400V | | | | | |
| 268253106 | HJBM PLUS 25 T2 0,37kW | 2800 | 1,58 | 0,91 | 0,37 | 1.970 | 53 | 4,5 | 332,50 |
| 268303106 | HJBM PLUS 30 T2 0,75kW | 2800 | 2,75 | 1,58 | 0,75 | 4.470 | 57 | 6,5 | 369,30 |
| 268353106 | HJBM PLUS 35 T2 1,1kW | 2800 | 4,05 | 2,33 | 1,1 | 5.760 | 57 | 7,5 | 451,60 |
| 268263106 | HJBM PLUS 25 T4 0,12kW | 1400 | 0,8 | 0,46 | 0,12 | 1.280 | 39 | 4 | 310,30 |
| 268313106 | HJBM PLUS 30 T4 0,12kW | 1400 | 0,8 | 0,46 | 0,12 | 2.200 | 42 | 5 | 344,90 |
| 268363106 | HJBM PLUS 35 T4 0,25kW | 1400 | 1,38 | 0,79 | 0,25 | 2.840 | 42 | 6,5 | 421,40 |
| 268403106 | HJBM PLUS 40 T4 0,25kW | 1400 | 1,38 | 0,79 | 0,25 | 4.690 | 48 | 9 | 450,50 |
| 268453106 | HJBM PLUS 45 T4 0,55kW | 1400 | 2,57 | 1,49 | 0,55 | 7.260 | 50 | 13 | 615,90 |
| 268503106 | HJBM PLUS 50 T4 0,55kW | 1400 | 2,57 | 1,49 | 0,55 | 9.320 | 52 | 18 | 711,50 |
| 268563106 | HJBM PLUS 56 T4 0,75kW | 1400 | 2,57 | 1,49 | 0,75 | 12.000 | 55 | 20 | 740,00 |
| 268413106 | HJBM PLUS 40 T6 0,12kW | 850 | 1,08 | 0,62 | 0,12 | 2.760 | 36 | 9 | 474,70 |
| 268463106 | HJBM PLUS 45 T6 0,13kW | 920 | 0,69 | 0,40 | 0,13 | 4.710 | 41 | 13 | 597,40 |
| 268513106 | HJBM PLUS 50 T6 0,13kW | 920 | 0,69 | 0,40 | 0,13 | 6.040 | 43 | 18 | 683,10 |
| 268573106 | HJBM PLUS 56 T6 0,21kW | 945 | 1,02 | 0,59 | 0,21 | 7.800 | 45 | 20 | 703,70 |

HJBM EEC

Wall fan with squared plate, variable pitch blades and brushless electronic motor
Mural con marco cuadrado, pala variable y motor electrónico brushless (EEC)



MANUFACTURING FEATURES

- Square plate made of galvanized steel sheet with epoxy-polyester finishing coat.
- Variable pitch angle polyamide impeller reinforced with fibreglass.
- Supplied with motor support and protection guard according to the UNE-EN 20-359-74. In compliance with ROHS 2002/95/EC Directive (Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipments).
- PM brushless motor (permanent magnets), synchronous, electronically commutated, high efficiency and low sound level. Specially designed for fans with electronic operation and control in deported box IP65.
 - Working range: from 400 to 1200-2000rpm (depending on the models).
 - Motor with IP54 protection and class F insulation. IP 65 drive case.
 - Power: 220V \pm 10% single phase.
 - Power frequency: 50/60Hz.
 - Operating temperature range: -20°C to 50°C.
 - Speed control through signal 0-10V or PWM.

APPLICATIONS

- Designed for wall assembly, they are suitable for:
- Air renewal for all kind of buildings and industries.

UNDER REQUEST

- Aluminium impeller. 15% additional cost.

CARACTERÍSTICAS CONSTRUCTIVAS

- Marco soporte en chapa de acero galvanizado recubierto de pintura epoxy-poliéster.
- Hélice de poliamida reforzada con fibra de vidrio de ángulo variable en paro y en origen.
- Rejilla soporte motor y de protección contra contactos según norma UNE-EN 20-359-74. En cumplimiento a la directiva ROHS 2002/95/EC (Restricción de sustancias peligrosas en equipos eléctricos y electrónicos).
- Motor brushless PM (imanes permanentes), síncrono, conmutado electrónicamente, de alta eficiencia y bajo nivel sonora. Especialmente diseñado para ventiladores con electrónica de funcionamiento y control en caja deportada IP 65.
 - Rango de trabajo: desde 400 hasta 1200-2000rpm (dependiendo de los modelos).
 - Motor con protección IP54 y aislamiento clase F. Caja del drive IP 65.
 - Alimentación: 220V \pm 10% monofásica.
 - Frecuencia de alimentación: 50/60Hz.
 - Rango de temperatura de funcionamiento: -20°C a 50°C.
 - Control de velocidad a través de señal 0-10V o PWM.

APLICACIONES

- Diseñados para montaje en pared, son indicados para:
- Renovación de aire en todo tipo de edificios e industrias.

BAJO DEMANDA

- Hélice aluminio. Incremento 15% sobre PVP.

ACCESSORIES | ACCESORIOS



REGC pg.431

Air flow controller for EEC motors.
Regulador de caudal para motores EEC.



INT pg.434

Safety switch.
Interruptor de corte.



RPO pg.396

Outlet protection guard.
Rejilla de protección.



PC2 pg.402

Overpressure damper for facade.
Rejilla de sobrepresión antirretorno.



PCP pg.402

Gravity shutter.
Persiana de sobrepresión.

SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | Rated R.P.M. | Rated I (A) 230V | Rat. power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|-----------|-----------------------|--------------|----------------------|-----------------|---------------|---------------|-----------|----------|
| Código | Modelo | R.P.M. nom. | I absorbida (A) 230V | P. Absorbida kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 268401103 | HJBM 40 M4 0,37kW EEC | 1400 | 5 | 0,37 | 5.040 | 46 | 9 | 830,00 |
| 268451103 | HJBM 45 M4 0,75kW EEC | 1400 | 6 | 0,75 | 6.020 | 49 | 12,5 | 852,70 |
| 268501103 | HJBM 50 M4 0,75kW EEC | 1400 | 6 | 0,75 | 9.090 | 50 | 18 | 1.039,20 |
| 268561103 | HJBM 56 M4 1,5kW EEC | 1400 | 10 | 1,5 | 11.470 | 53 | 22 | 1.191,40 |

HJB

Wall axial belt driven fan for high flowrates and low RPM

Mural a transmisión de gran caudal y bajas RPM



MANUFACTURING FEATURES

- Casing made of galvanized steel sheet.
- Equipped with gravity shutter.
- Impeller made of stainless steel sheet (AISI 430).
- Protection guard on back side.
- Inspection cover for motor access. Wiring box inside the casing.
- Standard asynchronous squirrel-cage motor with IP-55 protection and class F insulation. Standard voltage, three phase 4 pole motor, 230/400V 50Hz IE2.

APPLICATIONS

- Designed for wall assembly, they are suitable for:
- Air renewal in buildings and industries.
 - Farms and greenhouses.
 - Maximum continuous working temperature: 50°C.

CARACTERÍSTICAS CONSTRUCTIVAS

- Totalmente construido en chapa de acero galvanizado.
- Equipados con persiana sobre presión.
- Hélice fabricada en acero inoxidable (AISI 430).
- Rejilla de protección en la parte posterior del ventilador.
- Tapa de registro para acceder al motor. Caja de bornes accesible en el interior.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltaje estándar trifásico de 4 polos 230/400V 50Hz IE2.

APLICACIONES

- Diseñados para montaje en pared, son indicados para:
- Renovación de aire en todo tipo de edificios e industrias.
 - Granjas e invernaderos.
 - Temperatura máxima de trabajo en continuo: 50°C.

ACCESSORIES | ACCESORIOS



SFC pg.433
Speed controller for single phase motors.
Regulador de velocidad monofásico.



INT pg.434
Safety switch.
Interruptor de corte.

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | Rated R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|-------------------|--------------|---------------|------|---------------|---------------|---------------|-----------|----------|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I nominal (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € |
| | | | 230V | 400V | | | | | |
| 509111044 | HJB 110 T4 0,75kW | 1450 | 3,5 | 2 | 0,75 | 32.500 | 65 | 88 | 945,40 |
| 509112244 | HJB 120 T4 1,1kW | 1450 | 4,7 | 2,7 | 1,1 | 38.000 | 62 | 97 | 1.094,70 |
| 509113845 | HJB 140 T4 1,1kW | 1450 | 4,7 | 2,7 | 1,1 | 44.000 | 61 | 110 | 1.218,90 |

HB | HBA

Wall fan with variable pitch blades

Mural de pala variable



HB



HBA



MANUFACTURING FEATURES

- Wall axial fan with circular reinforced frame made of sheet steel.
- Motor-impeller modular assembly for complete versatility.
- Protected against corrosion by powder coating of epoxy-polyester resin.
- Standard asynchronous squirrel-cage motor with IP-55 protection and Class F insulation. Manufactured with standard voltages: 230V 50Hz in single phase motors, 230/400V 50Hz in three phase motors up to 4kW and 400/690V 50Hz for higher powers.
- HB: polyamide impeller with variable pitch angle reinforced with fibreglass
- HBA: cast aluminium impeller with variable pitch angle.

APPLICATIONS

Designed for wall or duct installation, they are suitable for:

- Air renewal in buildings and industries.
- Maximum continuous working temperature: single phase 50°C, three phase 60°C.

UNDER REQUEST

- B form impeller (air flow from impeller to motor). 5% additional cost.
- 100% reversible impeller. 5% additional cost.
- Hot-dipped galvanised or stainless steel housing.

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador helicoidal de marco redondo reforzado con nervio intermedio en chapa de acero laminado.
- Montaje modular del conjunto motor hélice que permite una total versatilidad en caso de cualquier cambio.
- Protegidos contra la corrosión mediante recubrimiento en polvo de resina epoxy-poliéster.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230V 50Hz para motores monofásicos, 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- HB: hélice de poliamida reforzada con fibra de vidrio de ángulo variable en origen.
- HBA: hélice en fundición de aluminio de ángulo variable en origen.

APLICACIONES

Diseñados para montaje en pared o en conducto, son indicados para:

- Renovación de aire en todo tipo de edificios e industrias.
- Temperatura máxima de trabajo en continuo: monofásicos 50°C, trifásicos 60°C.

BAJO DEMANDA

- Hélice impelente (sentido de aire hélice-motor). Incremento 5% sobre PVP
- Hélice reversible 100%. Incremento 5% sobre PVP
- Envoltorio en chapa galvanizada en caliente o acero inoxidable.

ACCESSORIES | ACCESORIOS



SFC pg.433

Speed controller for single phase motors.
Regulador de velocidad monofásico.



INT pg.434

Safety switch.
Interruptor de corte.



RPO pg.396

Outlet protection guard.
Rejilla de protección.



PC2 pg.402

Overpressure damper for facade.
Rejilla de sobrepresión antirretorno.



PCP pg.402

Gravity shutter.
Persiana de sobrepresión.



RP1 pg.397

Inlet protection guard.
Rejilla de protección.



MC HB pg.415

Square mounting frame.
Marco soporte cuadrado.

POLYAMIDE IMPELLER | HÉLICE DE POLIAMIDA (HB)

SINGLE PHASE RANGE 2 POLE | SERIE MONOFÁSICA 2 POLOS

| Modelo Modelo | Power Potencia (kW) | | |
|-----------------|-----------------------|--------|--------|
| | 0,55 | 0,75 | 1,1 |
| HB 35 M2 (A0:6) | 441,70 | 507,60 | 540,80 |

SINGLE PHASE RANGE 4 POLE | SERIE MONOFÁSICA 4 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | |
|-----------------|-----------------------|--------|--------|--------|--------|--------|
| | 0,12 | 0,18 | 0,25 | 0,37 | 0,55 | 0,75 |
| HB 35 M4 (A0:6) | 344,80 | | | | | |
| HB 40 M4 (A0:6) | | 379,40 | 402,30 | | | |
| HB 45 M4 (A0:6) | | | 442,20 | | | |
| HB 45 M4 (A5:6) | | 483,60 | 506,50 | 525,20 | 574,00 | |
| HB 50 M4 (A0:6) | | | | 538,70 | | |
| HB 50 M4 (A5:6) | | | 584,30 | 603,10 | 651,80 | 679,30 |
| HB 56 M4 (A2:9) | | | | 662,80 | 711,60 | 739,10 |
| HB 56 M4 (A2:6) | | | | 638,40 | 687,10 | 714,70 |
| HB 56 M4 (A5:6) | | | | 648,90 | 697,70 | 725,10 |
| HB 63 M4 (A2:9) | | | | 734,20 | 783,00 | 810,50 |
| HB 63 M4 (A2:6) | | | | 709,80 | 758,60 | 786,10 |
| HB 63 M4 (A5:6) | | | | 720,40 | 769,10 | 796,50 |
| HB 71 M4 (A2:9) | | | | | | 882,50 |
| HB 71 M4 (A2:6) | | | | | | 858,20 |
| HB 71 M4 (A5:6) | | | | | | 868,70 |

SINGLE PHASE RANGE 6 POLE | SERIE MONOFÁSICA 6 POLOS

| Modelo Modelo | Power Potencia (kW) | | | |
|-----------------|-----------------------|--------|--------|--------|
| | 0,12 | 0,18 | 0,25 | 0,37 |
| HB 56 M6 (A2:9) | 622,60 | 652,40 | 665,70 | |
| HB 56 M6 (A2:6) | 598,10 | 627,90 | 641,20 | |
| HB 56 M6 (A5:6) | 608,60 | 638,40 | 651,70 | |
| HB 63 M6 (A2:9) | | | | 804,30 |
| HB 63 M6 (A2:6) | | | | 779,90 |
| HB 63 M6 (A5:6) | | | | 790,40 |
| HB 71 M6 (A2:9) | | | | 876,50 |
| HB 71 M6 (A2:6) | | | | 852,10 |
| HB 71 M6 (A5:6) | | | | 862,60 |

ALUMINIUM IMPELLER | HÉLICE DE ALUMINIO (HBA)

SINGLE PHASE RANGE 2 POLE | SERIE MONOFÁSICA 2 POLOS

| Modelo Modelo | Power Potencia (kW) | | |
|------------------|-----------------------|--------|--------|
| | 0,55 | 0,75 | 1,1 |
| HBA 35 M2 (A0:6) | 486,80 | 552,50 | 585,80 |

SINGLE PHASE RANGE 4 POLE | SERIE MONOFÁSICA 4 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | |
|------------------|-----------------------|--------|--------|--------|--------|----------|
| | 0,12 | 0,18 | 0,25 | 0,37 | 0,55 | 0,75 |
| HBA 35 M4 (A0:6) | 382,10 | | | | | |
| HBA 40 M4 (A0:6) | | 416,60 | 439,60 | | | |
| HBA 45 M4 (A0:6) | | | 479,40 | | | |
| HBA 45 M4 (A5:6) | | 589,40 | 612,30 | 631,10 | 679,90 | |
| HBA 50 M4 (A0:6) | | | | 576,00 | | |
| HBA 50 M4 (A5:6) | | | 690,20 | 709,00 | 757,70 | 785,30 |
| HBA 56 M4 (A2:9) | | | | 797,30 | 846,10 | 873,50 |
| HBA 56 M4 (A2:6) | | | | 728,00 | 776,90 | 804,30 |
| HBA 56 M4 (A5:6) | | | | 754,70 | 803,60 | 831,10 |
| HBA 63 M4 (A2:9) | | | | 868,70 | 917,50 | 945,00 |
| HBA 63 M4 (A2:6) | | | | 799,40 | 848,30 | 875,70 |
| HBA 63 M4 (A5:6) | | | | 826,20 | 875,10 | 902,50 |
| HBA 71 M4 (A2:9) | | | | | | 1.017,10 |
| HBA 71 M4 (A2:6) | | | | | | 947,90 |
| HBA 71 M4 (A5:6) | | | | | | 974,60 |

SINGLE PHASE RANGE 6 POLE | SERIE MONOFÁSICA 6 POLOS

| Modelo Modelo | Power Potencia (kW) | | | |
|------------------|-----------------------|--------|--------|----------|
| | 0,12 | 0,18 | 0,25 | 0,37 |
| HBA 56 M6 (A2:9) | 757,00 | 786,70 | 800,20 | 867,40 |
| HBA 56 M6 (A2:6) | 687,90 | 717,60 | 730,90 | |
| HBA 56 M6 (A5:6) | 714,60 | 744,30 | 757,70 | |
| HBA 63 M6 (A2:9) | | | | |
| HBA 63 M6 (A2:6) | | | | 869,60 |
| HBA 63 M6 (A5:6) | | | | 896,40 |
| HBA 71 M6 (A2:9) | | | | 1.010,90 |
| HBA 71 M6 (A2:6) | | | | 941,70 |
| HBA 71 M6 (A5:6) | | | | 968,60 |

POLYAMIDE IMPELLER | HÉLICE DE POLIAMIDA (HB)
THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | |
|-----------------|-----------------------|--------|--------|--------|--------|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,12 | 0,18 | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 |
| HB 35 T4 (A0:6) | 408,80 | | | | | | | | | | | | | |
| HB 40 T4 (A0:6) | | 441,40 | | | | | | | | | | | | |
| HB 45 T4 (A0:6) | | | 508,90 | | | | | | | | | | | |
| HB 45 T4 (A5:6) | | 545,70 | 573,20 | 578,30 | 594,30 | | | | | | | | | |
| HB 50 T4 (A0:6) | | | | 591,90 | | | | | | | | | | |
| HB 50 T4 (A5:6) | | | 651,10 | 656,20 | 672,10 | 676,70 | | | | | | | | |
| HB 56 T4 (A2:9) | | | | 715,80 | 732,00 | 736,50 | 776,70 | 818,30 | 908,20 | | | | | |
| HB 56 T4 (A2:6) | | | | 691,50 | 707,50 | 712,00 | 752,20 | 793,80 | 883,80 | | | | | |
| HB 56 T4 (A5:6) | | | | 702,00 | 718,00 | 722,50 | 762,70 | 804,40 | 894,20 | | | | | |
| HB 63 T4 (A2:9) | | | | 787,30 | 803,40 | 807,90 | 848,10 | 889,70 | 979,60 | 1.060,20 | | | | |
| HB 63 T4 (A2:6) | | | | 762,90 | 778,90 | 783,60 | 823,70 | 865,40 | 955,20 | 1.035,70 | | | | |
| HB 63 T4 (A5:6) | | | | 773,50 | 789,50 | 793,90 | 834,20 | 875,80 | 965,80 | 1.046,30 | | | | |
| HB 71 T4 (A2:9) | | | | | | 880,10 | 920,10 | 961,90 | 1.051,70 | 1.132,30 | 1.251,40 | | | |
| HB 71 T4 (A2:6) | | | | | | 855,60 | 895,70 | 937,50 | 1.027,20 | 1.107,90 | 1.227,00 | | | |
| HB 71 T4 (A5:6) | | | | | | 866,10 | 906,20 | 948,00 | 1.037,80 | 1.118,40 | 1.237,40 | | | |
| HB 80 T4 (A2:9) | | | | | | | 1.020,10 | 1.061,80 | 1.151,60 | 1.232,30 | 1.351,30 | 1.532,30 | 1.687,40 | 2.004,30 |
| HB 80 T4 (A2:6) | | | | | | | 995,70 | 1.037,40 | 1.127,20 | 1.207,80 | 1.326,90 | 1.507,90 | 1.662,90 | 1.979,90 |
| HB 80 T4 (A5:6) | | | | | | | 1.006,10 | 1.047,90 | 1.137,70 | 1.218,30 | 1.337,40 | | | |

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | |
|------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| HB 90 T4 (A6:6) | 1.951,60 | 2.070,80 | 2.251,70 | 2.406,80 | 2.723,80 | 2.896,30 | 3.091,80 | | | | | |
| HB 90 T4 (A6:3) | 1.824,10 | 1.943,20 | 2.124,20 | 2.279,20 | 2.596,30 | 2.768,70 | 2.964,20 | | | | | |
| HB 100 T4 (A6:6) | | | 2.474,00 | 2.629,10 | 2.946,00 | 3.118,70 | 3.314,10 | 3.746,70 | 3.886,10 | | | |
| HB 100 T4 (A6:3) | | | 2.346,40 | 2.501,50 | 2.818,50 | 2.991,00 | 3.186,60 | 3.619,10 | 3.758,60 | | | |
| HB 112 T4 (A6:6) | | | 3.238,60 | 3.393,70 | 3.710,60 | 3.883,20 | 4.078,60 | 4.511,40 | 4.650,80 | 5.419,10 | 6.117,10 | |
| HB 112 T4 (A6:3) | | | 3.111,00 | 3.266,00 | 3.583,10 | 3.755,60 | 3.951,10 | 4.383,80 | 4.523,20 | 5.291,40 | 5.989,50 | |
| HB 125 T4 (A7:8) | | | | | 4.434,70 | 4.630,10 | 5.062,80 | 5.202,10 | 5.970,40 | 6.668,50 | 7.104,30 | |
| HB 125 T4 (A7:4) | | | | 3.704,60 | 4.021,60 | 4.194,00 | 4.389,50 | 4.822,20 | 4.961,60 | 5.729,90 | 6.428,00 | 6.863,90 |

AXIAL FANS | WALL FANS
VENTILADORES HELICOIDALES | MURALES

THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|------------------|-----------------------|--------|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,12 | 0,18 | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | |
| HB 35 T6 (A0:6) | 473,80 | | | | | | | | | | | | | | | |
| HB 40 T6 (A0:6) | 501,50 | | | | | | | | | | | | | | | |
| HB 45 T6 (A0:6) | 541,20 | | | | | | | | | | | | | | | |
| HB 45 T6 (A5:6) | 605,50 | | | | | | | | | | | | | | | |
| HB 50 T6 (A0:6) | 619,10 | | | | | | | | | | | | | | | |
| HB 50 T6 (A5:6) | 683,40 | 696,70 | | | | | | | | | | | | | | |
| HB 56 T6 (A2:9) | 743,10 | 756,40 | 761,70 | 774,80 | 764,00 | | | | | | | | | | | |
| HB 56 T6 (A2:6) | 718,70 | 732,00 | 737,20 | 750,40 | 739,50 | | | | | | | | | | | |
| HB 56 T6 (A5:6) | 729,30 | 742,50 | 747,70 | 760,90 | 750,10 | | | | | | | | | | | |
| HB 63 T6 (A2:9) | | | | 846,30 | 835,50 | 858,70 | | | | | | | | | | |
| HB 63 T6 (A2:6) | | | | 821,90 | 811,00 | 834,30 | | | | | | | | | | |
| HB 63 T6 (A5:6) | | | | 832,30 | 821,50 | 844,90 | | | | | | | | | | |
| HB 71 T6 (A2:9) | | | | 918,40 | 907,50 | 930,80 | 977,40 | | | | | | | | | |
| HB 71 T6 (A2:6) | | | | 894,00 | 883,20 | 906,30 | 952,90 | | | | | | | | | |
| HB 71 T6 (A5:6) | | | | 904,50 | 893,50 | 916,90 | 963,40 | | | | | | | | | |
| HB 80 T6 (A2:9) | | | | 1.018,30 | 1.007,50 | 1.030,80 | 1.077,20 | 1.157,50 | 1.289,10 | | | | | | | |
| HB 80 T6 (A2:6) | | | | 993,90 | 983,00 | 1.006,30 | 1.052,80 | 1.133,10 | 1.264,70 | | | | | | | |
| HB 80 T6 (A5:6) | | | | 1.004,50 | 993,60 | 1.016,80 | 1.063,40 | 1.143,70 | 1.275,20 | | | | | | | |
| HB 90 T6 (A6:6) | | | | | | 1.750,20 | 1.796,80 | 1.877,00 | 2.008,50 | 2.238,20 | 2.351,80 | | | | | |
| HB 90 T6 (A6:3) | | | | | | 1.622,70 | 1.669,10 | 1.749,40 | 1.880,90 | 2.110,70 | 2.224,30 | | | | | |
| HB 100 T6 (A6:6) | | | | | | | 2.019,00 | 2.099,30 | 2.230,80 | 2.460,40 | 2.574,00 | 2.734,80 | 2.957,00 | | | |
| HB 100 T6 (A6:3) | | | | | | | 1.891,40 | 1.971,70 | 2.103,20 | 2.333,00 | 2.446,60 | 2.607,30 | 2.829,40 | | | |
| HB 112 T6 (A6:6) | | | | | | | | 2.863,80 | 2.995,40 | 3.225,20 | 3.338,80 | 3.499,40 | 3.721,50 | 4.053,00 | | |
| HB 112 T6 (A6:3) | | | | | | | | 2.736,20 | 2.867,80 | 3.097,50 | 3.211,20 | 3.371,80 | 3.593,90 | 3.925,30 | | |
| HB 125 T6 (A7:8) | | | | | | | | | | 3.776,50 | 3.890,20 | 4.050,80 | 4.272,90 | 4.604,30 | 5.106,80 | |
| HB 125 T6 (A7:4) | | | | | | | | | | 3.306,20 | 3.536,00 | 3.649,60 | 3.810,20 | 4.032,50 | 4.363,80 | 4.866,20 |

THREE PHASE RANGE 4/8 POLE | SERIE TRIFÁSICA 4/8 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | | | | | |
|---------------------|-----------------------|-----------|-----------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,25/0,03 | 0,33/0,04 | 0,55/0,09 | 0,75/0,19 | 1,1/0,18 | 1,5/0,25 | 2,2/0,37 | 3/0,55 | 4/0,75 | 5,5/1,1 | 7,5/1,5 | 11/2,8 | 15/3,5 | 17/4,3 | 20/5 | 28/6,5 | 35/8 | 37/9,2 | 44/11 | |
| HB 35 T4/T8 (A0:6) | 463,40 | | | | | | | | | | | | | | | | | | | |
| HB 40 T4/T8 (A0:6) | 491,00 | | | | | | | | | | | | | | | | | | | |
| HB 45 T4/T8 (A0:6) | 530,80 | | | | | | | | | | | | | | | | | | | |
| HB 45 T4/T8 (A5:6) | 595,20 | 600,60 | 641,00 | | | | | | | | | | | | | | | | | |
| HB 50 T4/T8 (A0:6) | | 614,20 | | | | | | | | | | | | | | | | | | |
| HB 50 T4/T8 (A5:6) | 673,00 | 678,40 | 718,80 | 753,40 | | | | | | | | | | | | | | | | |
| HB 56 T4/T8 (A2:9) | | 738,20 | 778,60 | 813,10 | 850,20 | 899,60 | 1.023,00 | | | | | | | | | | | | | |
| HB 56 T4/T8 (A2:6) | | 713,70 | 754,10 | 788,70 | 825,80 | 875,10 | 998,60 | | | | | | | | | | | | | |
| HB 56 T4/T8 (A5:6) | | 724,30 | 764,70 | 799,30 | 836,30 | 885,70 | 1.009,10 | | | | | | | | | | | | | |
| HB 63 T4/T8 (A2:9) | | 809,70 | 850,10 | 884,70 | 921,70 | 971,10 | 1.094,50 | 1.168,60 | | | | | | | | | | | | |
| HB 63 T4/T8 (A2:6) | | 785,30 | 825,70 | 860,20 | 897,30 | 946,70 | 1.070,10 | 1.144,10 | | | | | | | | | | | | |
| HB 63 T4/T8 (A5:6) | | 795,70 | 836,10 | 870,70 | 907,70 | 957,10 | 1.080,50 | 1.154,60 | | | | | | | | | | | | |
| HB 71 T4/T8 (A2:9) | | | 956,70 | 993,70 | 1.043,10 | 1.166,50 | 1.240,60 | 1.401,00 | | | | | | | | | | | | |
| HB 71 T4/T8 (A2:6) | | | | 932,30 | 969,30 | 1.018,70 | 1.142,10 | 1.216,20 | 1.376,60 | | | | | | | | | | | |
| HB 71 T4/T8 (A5:6) | | | | 942,80 | 979,90 | 1.029,20 | 1.152,70 | 1.226,70 | 1.387,20 | | | | | | | | | | | |
| HB 80 T4/T8 (A2:9) | | | | | 1.093,70 | 1.143,10 | 1.266,50 | 1.340,60 | 1.501,00 | 1.797,20 | 1.945,30 | | | | | | | | | |
| HB 80 T4/T8 (A2:6) | | | | | 1.069,30 | 1.118,70 | 1.242,10 | 1.316,10 | 1.476,60 | 1.772,70 | 1.920,90 | | | | | | | | | |
| HB 80 T4/T8 (A5:6) | | | | | 1.079,80 | 1.129,10 | 1.252,50 | 1.326,60 | 1.487,00 | | | | | | | | | | | |
| HB 90 T4/T8 (A6:6) | | | | | | | | 2.060,00 | 2.220,40 | 2.516,60 | 2.664,70 | 2.953,70 | 3.203,40 | | | | | | | |
| HB 90 T4/T8 (A6:3) | | | | | | | | 1.932,40 | 2.092,80 | 2.389,00 | 2.537,10 | 2.826,10 | 3.075,80 | | | | | | | |
| HB 100 T4/T8 (A6:6) | | | | | | | | | | 2.738,80 | 2.886,90 | 3.175,90 | 3.425,70 | 4.114,60 | 4.175,80 | | | | | |
| HB 100 T4/T8 (A6:3) | | | | | | | | | | 2.611,30 | 2.759,40 | 3.048,40 | 3.298,10 | 3.987,10 | 4.048,30 | | | | | |
| HB 112 T4/T8 (A6:6) | | | | | | | | | | 3.503,50 | 3.651,60 | 3.940,60 | 4.190,30 | 4.879,20 | 4.940,50 | 5.905,30 | 6.143,80 | 7.488,60 | | |
| HB 112 T4/T8 (A6:3) | | | | | | | | | | 3.375,90 | 3.524,00 | 3.813,00 | 4.062,70 | 4.751,60 | 4.812,90 | 5.777,70 | 6.016,20 | 7.361,00 | | |
| HB 125 T4/T8 (A7:8) | | | | | | | | | | | | 4.492,10 | 4.741,80 | 5.430,70 | 5.491,90 | 6.456,70 | 6.695,20 | 8.040,00 | 8.646,70 | |
| HB 125 T4/T8 (A7:4) | | | | | | | | | | | | 3.962,50 | 4.251,50 | 4.501,20 | 5.190,20 | 5.251,40 | 6.216,20 | 6.454,70 | 7.799,50 | 8.406,10 |

THREE PHASE RANGE 4/8 POLE | SERIE TRIFÁSICA 4/8 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | | | | | |
|----------------------|-----------------------|-----------|-----------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,25/0,03 | 0,33/0,04 | 0,55/0,09 | 0,75/0,19 | 1,1/0,18 | 1,5/0,25 | 2,2/0,37 | 3/0,55 | 4/0,75 | 5,5/1,1 | 7,5/1,5 | 11/2,8 | 15/3,5 | 17/4,3 | 20/ 5 | 28/6,5 | 35/8 | 37/9,2 | 44/11 | |
| HBA 35 T4/T8 (A0:6) | 500,60 | | | | | | | | | | | | | | | | | | | |
| HBA 40 T4/T8 (A0:6) | 528,20 | | | | | | | | | | | | | | | | | | | |
| HBA 45 T4/T8 (A0:6) | 568,00 | | | | | | | | | | | | | | | | | | | |
| HBA 45 T4/T8 (A5:6) | 701,00 | 706,50 | 746,90 | | | | | | | | | | | | | | | | | |
| HBA 50 T4/T8 (A0:6) | | 651,40 | | | | | | | | | | | | | | | | | | |
| HBA 50 T4/T8 (A5:6) | 779,00 | 784,40 | 824,80 | 859,40 | | | | | | | | | | | | | | | | |
| HBA 56 T4/T8 (A2:9) | | 872,70 | 913,10 | 947,70 | 984,70 | 1.034,10 | 1.157,50 | | | | | | | | | | | | | |
| HBA 56 T4/T8 (A2:6) | | 803,50 | 843,90 | 878,50 | 915,50 | 964,90 | 1.088,30 | | | | | | | | | | | | | |
| HBA 56 T4/T8 (A5:6) | | 830,30 | 870,70 | 905,30 | 942,30 | 991,70 | 1.115,10 | | | | | | | | | | | | | |
| HBA 63 T4/T8 (A2:9) | | 944,10 | 984,50 | 1.019,10 | 1.056,20 | 1.105,50 | 1.229,00 | 1.303,00 | | | | | | | | | | | | |
| HBA 63 T4/T8 (A2:6) | | 874,90 | 915,30 | 949,90 | 986,90 | 1.036,30 | 1.159,70 | 1.233,80 | | | | | | | | | | | | |
| HBA 63 T4/T8 (A5:6) | | 901,70 | 942,10 | 976,70 | 1.013,70 | 1.063,10 | 1.186,50 | 1.260,60 | | | | | | | | | | | | |
| HBA 71 T4/T8 (A2:9) | | | | 1.091,30 | 1.128,30 | 1.177,70 | 1.301,10 | 1.375,10 | 1.535,60 | | | | | | | | | | | |
| HBA 71 T4/T8 (A2:6) | | | | 1.021,90 | 1.059,00 | 1.108,30 | 1.231,70 | 1.305,80 | 1.466,20 | | | | | | | | | | | |
| HBA 71 T4/T8 (A5:6) | | | | 1.048,70 | 1.085,80 | 1.135,10 | 1.258,60 | 1.332,60 | 1.493,00 | | | | | | | | | | | |
| HBA 80 T4/T8 (A2:9) | | | | | 1.228,20 | 1.277,50 | 1.401,00 | 1.475,00 | 1.635,40 | 1.931,60 | 2.079,70 | | | | | | | | | |
| HBA 80 T4/T8 (A2:6) | | | | | 1.158,90 | 1.208,30 | 1.331,70 | 1.405,80 | 1.566,20 | 1.862,40 | 2.010,50 | | | | | | | | | |
| HBA 80 T4/T8 (A5:6) | | | | | 1.185,70 | 1.235,10 | 1.358,50 | 1.432,60 | 1.593,00 | | | | | | | | | | | |
| HBA 90 T4/T8 (A6:6) | | | | | | | | 2.282,30 | 2.442,70 | 2.738,90 | 2.887,00 | 3.176,00 | 3.425,80 | | | | | | | |
| HBA 90 T4/T8 (A6:3) | | | | | | | | 2.052,70 | 2.213,10 | 2.509,30 | 2.657,40 | 2.946,40 | 3.196,10 | | | | | | | |
| HBA 100 T4/T8 (A6:6) | | | | | | | | | | 2.961,20 | 3.109,30 | 3.398,40 | 3.648,10 | 4.337,00 | 4.398,30 | | | | | |
| HBA 100 T4/T8 (A6:3) | | | | | | | | | | 2.731,60 | 2.879,70 | 3.168,70 | 3.418,40 | 4.107,30 | 4.168,60 | | | | | |
| HBA 112 T4/T8 (A6:6) | | | | | | | | | | 3.725,80 | 3.873,90 | 4.162,90 | 4.412,60 | 5.101,60 | 5.162,80 | 6.127,60 | 6.366,10 | 7.710,90 | | |
| HBA 112 T4/T8 (A6:3) | | | | | | | | | | 3.496,10 | 3.644,20 | 3.933,30 | 4.183,00 | 4.871,90 | 4.933,10 | 5.897,90 | 6.136,40 | 7.481,20 | | |
| HBA 125 T4/T8 (A7:8) | | | | | | | | | | | | 4.721,60 | 4.971,30 | 5.660,20 | 5.721,50 | 6.686,30 | 6.924,80 | 8.269,60 | 8.876,20 | |
| HBA 125 T4/T8 (A7:4) | | | | | | | | | | | | 4.126,40 | 4.415,50 | 4.665,20 | 5.354,10 | 5.415,40 | 6.380,20 | 6.618,60 | 7.963,40 | 8.570,10 |



AIR CURTAINS CORTINAS DE AIRE



COURSALIS

Only air | sólo aire



COURSALIS & COURSALIS E

Only air | sólo aire & with heating | con calefacción



HC | HCA

Short cased axial fan with aluminium or polyamide impeller

Helicoidal tubular de camisa corta con pala de aluminio o poliamida



HC



HCA



MANUFACTURING FEATURES

- Short cased axial fan with reinforced body, made of laminated steel.
- Modular motor-impeller assembly.
- Protected against corrosion by powder coating of epoxy-polyester resin.
- Standard asynchronous squirrel-cage motor, IP-55 protection and rated class F insulation. Manufactured with standard voltages 230V 50Hz in single phase motors, 230/400V 50Hz for three phase motors up to 4kW, and 400/690V 50Hz for higher powers.
- HC: impeller made of fibre glass reinforced polyamide. Variable pitch angle (stopped and in origin).
- HCA: impeller made of aluminium cast. Variable pitch angle (stopped and in origin).

APPLICATIONS

Designed for inline installation, they are suitable for:

- Air renovation in all types of buildings and industries.
- Smoke extraction (maximum 50-60°C).
- Maximum continuous working temperature: 50°C single phase, 60°C three phase.

UNDER REQUEST

- B form impeller (air flow from impeller to motor). 5% additional cost.
- 100% reversible impeller. 5% additional cost.
- Casing made of hot dipped galvanized or stainless steel.

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador con envolvente tubular reforzado de camisa corta fabricada en chapa de acero laminado.
- Montaje modular del conjunto motor hélice que permite una total versatilidad en caso de cualquier cambio.
- Protegidos contra la corrosión mediante recubrimiento en polvo de resina epoxy-poliéster.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230V 50Hz para motores monofásicos, 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- HC: hélice de poliamida reforzada con fibra de vidrio de ángulo variable en paro y en origen.
- HCA: hélice en fundición de aluminio de ángulo variable en paro y en origen.

APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Renovación de aire en todo tipo de edificios e industrias.
- Extracción de humos (máximo 50-60°C).
- Temperatura máxima de trabajo en continuo: monofásicos 50°C, trifásicos 60°C.

BAJO DEMANDA

- Hélice impelente (sentido de aire hélice-motor). Incremento 5% sobre PVP.
- Hélice reversible 100%. Incremento 5% sobre PVP
- Envolvente en chapa galvanizada en caliente o acero inoxidable.

ACCESSORIES | ACCESORIOS



SFC pg.433

Speed controller for single phase motors. Regulador de velocidad monofásico.



INT pg.434

Safety switch. Interruptor de corte.



RP pg.396

Inlet protection guard. Rejilla de protección.



AC pg.411

Connexion flange. Brida de connexion.



BA-400 pg.416

Anti-vibrating flange 400°/2h. flexible. Brida antivibratoria 400°/2h.



RP1 pg.397

Inlet protection guard. Rejilla de protección.



SIL-C pg.426

Duct circular silencer. Silenciador circular conducto.



PO pg.408

Optional support. Pie opcional.

POLYAMIDE IMPELLER | HÉLICE DE POLIAMIDA (HC)

SINGLE PHASE RANGE 4 POLE | SERIE MONOFÁSICA 4 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | |
|-----------------|-----------------------|--------|--------|--------|--------|--------|
| | 0,12 | 0,18 | 0,25 | 0,37 | 0,55 | 0,75 |
| HC 35 M4 (A0:6) | 361,50 | | | | | |
| HC 40 M4 (A0:6) | | 397,90 | 420,70 | | | |
| HC 45 M4 (A0:6) | | | 459,60 | | | |
| HC 45 M4 (A5:6) | | 501,00 | 523,90 | 542,80 | 591,50 | |
| HC 50 M4 (A0:6) | | | | 564,80 | | |
| HC 50 M4 (A5:6) | | | 610,40 | 629,10 | 678,00 | 705,50 |
| HC 56 M4 (A2:9) | | | | 688,40 | 737,10 | 764,60 |
| HC 56 M4 (A2:6) | | | | 664,00 | 712,80 | 740,10 |
| HC 56 M4 (A5:6) | | | | 674,40 | 723,30 | 750,70 |
| HC 63 M4 (A2:9) | | | | 759,30 | 808,10 | 835,60 |
| HC 63 M4 (A2:6) | | | | 734,90 | 783,70 | 811,10 |
| HC 63 M4 (A5:6) | | | | 745,40 | 794,30 | 821,70 |
| HC 71 M4 (A2:9) | | | | | | 952,30 |
| HC 71 M4 (A2:6) | | | | | | 927,90 |
| HC 71 M4 (A5:6) | | | | | | 938,30 |

SINGLE PHASE RANGE 6 POLE | SERIE MONOFÁSICA 6 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | |
|-----------------|-----------------------|--------|--------|--------|--------|----------|
| | 0,12 | 0,18 | 0,25 | 0,37 | 0,55 | 0,75 |
| HC 45 M6 (A0:6) | 438,10 | | | | | |
| HC 45 M6 (A5:6) | 502,40 | | | | | |
| HC 50 M6 (A0:6) | 524,60 | | | | | |
| HC 50 M6 (A5:6) | 588,90 | 618,60 | | | | |
| HC 56 M6 (A2:9) | 648,00 | 677,80 | 691,30 | 758,40 | 793,20 | |
| HC 56 M6 (A2:6) | 623,70 | 653,40 | 666,90 | 734,10 | 768,80 | |
| HC 56 M6 (A5:6) | 634,10 | 664,00 | 677,40 | 744,60 | 779,40 | |
| HC 63 M6 (A2:9) | | | | 829,40 | 864,20 | 917,00 |
| HC 63 M6 (A2:6) | | | | 805,00 | 839,80 | 892,60 |
| HC 63 M6 (A5:6) | | | | 815,60 | 850,40 | 903,10 |
| HC 71 M6 (A2:9) | | | | 946,10 | 981,00 | 1.033,80 |
| HC 71 M6 (A2:6) | | | | 921,70 | 956,50 | 1.009,30 |
| HC 71 M6 (A5:6) | | | | 932,20 | 967,00 | 1.019,90 |

ALUMINIUM IMPELLER | HÉLICE DE ALUMINIO (HCA)
SINGLE PHASE RANGE 4 POLE | SERIE MONOFÁSICA 4 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | |
|------------------|-----------------------|--------|--------|--------|--------|----------|
| | 0,12 | 0,18 | 0,25 | 0,37 | 0,55 | 0,75 |
| HCA 35 M4 (A0:6) | 398,70 | | | | | |
| HCA 40 M4 (A0:6) | | 435,00 | 458,00 | | | |
| HCA 45 M4 (A0:6) | | | 496,90 | | | |
| HCA 45 M4 (A5:6) | | 607,00 | 629,90 | 648,60 | 697,50 | |
| HCA 50 M4 (A0:6) | | | | 602,00 | | |
| HCA 50 M4 (A5:6) | | | 716,40 | 735,10 | 783,90 | 811,30 |
| HCA 56 M4 (A2:9) | | | | 822,80 | 871,60 | 899,10 |
| HCA 56 M4 (A2:6) | | | | 753,60 | 802,40 | 829,90 |
| HCA 56 M4 (A5:6) | | | | 780,40 | 829,10 | 856,60 |
| HCA 63 M4 (A2:9) | | | | 893,80 | 942,60 | 970,00 |
| HCA 63 M4 (A2:6) | | | | 824,50 | 873,40 | 900,90 |
| HCA 63 M4 (A5:6) | | | | 851,40 | 900,10 | 927,60 |
| HCA 71 M4 (A2:9) | | | | | | 1.086,80 |
| HCA 71 M4 (A2:6) | | | | | | 1.017,50 |
| HCA 71 M4 (A5:6) | | | | | | 1.044,30 |

SINGLE PHASE RANGE 6 POLE | SERIE MONOFÁSICA 6 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | |
|------------------|-----------------------|--------|--------|----------|----------|----------|
| | 0,12 | 0,18 | 0,25 | 0,37 | 0,55 | 0,75 |
| HCA 45 M6 (A0:6) | 475,40 | | | | | |
| HCA 45 M6 (A5:6) | 608,40 | | | | | |
| HCA 50 M6 (A0:6) | 561,80 | | | | | |
| HCA 50 M6 (A5:6) | 694,90 | 724,60 | | | | |
| HCA 56 M6 (A2:9) | 782,60 | 812,40 | 825,70 | 892,90 | 927,80 | |
| HCA 56 M6 (A2:6) | 713,30 | 743,00 | 756,50 | 823,80 | 858,50 | |
| HCA 56 M6 (A5:6) | 740,10 | 769,90 | 783,20 | 850,50 | 885,30 | |
| HCA 63 M6 (A2:9) | | | | 963,90 | 998,80 | 1.051,60 |
| HCA 63 M6 (A2:6) | | | | 894,80 | 929,50 | 982,20 |
| HCA 63 M6 (A5:6) | | | | 921,50 | 956,20 | 1.009,10 |
| HCA 71 M6 (A2:9) | | | | 1.080,60 | 1.115,40 | 1.168,30 |
| HCA 71 M6 (A2:6) | | | | 1.011,40 | 1.046,20 | 1.099,00 |
| HCA 71 M6 (A5:6) | | | | 1.038,20 | 1.073,00 | 1.125,80 |

POLYAMIDE IMPELLER | HÉLICE DE POLIAMIDA (HC)

THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | |
|-----------------|-----------------------|--------|--------|--------|--------|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,12 | 0,18 | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 |
| HC 35 T4 (A0:6) | 425,50 | | | | | | | | | | | | | |
| HC 40 T4 (A0:6) | | 459,70 | | | | | | | | | | | | |
| HC 45 T4 (A0:6) | | | 526,50 | | | | | | | | | | | |
| HC 45 T4 (A5:6) | | 563,00 | 590,80 | 595,80 | 611,90 | | | | | | | | | |
| HC 50 T4 (A0:6) | | | | 617,90 | | | | | | | | | | |
| HC 50 T4 (A5:6) | | | 677,20 | 682,30 | 698,30 | 702,90 | | | | | | | | |
| HC 56 T4 (A2:9) | | | | 741,50 | 757,40 | 762,00 | 802,10 | 843,80 | 933,70 | | | | | |
| HC 56 T4 (A2:6) | | | | 717,00 | 733,00 | 737,60 | 777,70 | 819,50 | 909,20 | | | | | |
| HC 56 T4 (A5:6) | | | | 727,50 | 743,50 | 748,20 | 788,30 | 830,00 | 919,80 | | | | | |
| HC 63 T4 (A2:9) | | | | 812,50 | 828,40 | 833,00 | 873,10 | 914,80 | 1.004,70 | 1.085,20 | | | | |
| HC 63 T4 (A2:6) | | | | 787,90 | 804,00 | 808,60 | 848,70 | 890,40 | 980,20 | 1.060,90 | | | | |
| HC 63 T4 (A5:6) | | | | 798,50 | 814,50 | 819,00 | 859,30 | 901,00 | 990,80 | 1.071,40 | | | | |
| HC 71 T4 (A2:9) | | | | | | 949,70 | 989,90 | 1.031,50 | 1.121,40 | 1.201,90 | 1.321,10 | | | |
| HC 71 T4 (A2:6) | | | | | | 925,30 | 965,40 | 1.007,10 | 1.097,00 | 1.177,50 | 1.296,60 | | | |
| HC 71 T4 (A5:6) | | | | | | 935,70 | 976,00 | 1.017,60 | 1.107,60 | 1.188,10 | 1.307,20 | | | |
| HC 80 T4 (A2:9) | | | | | | | 1.083,50 | 1.125,30 | 1.215,10 | 1.295,70 | 1.414,70 | 1.595,80 | 1.750,80 | 2.067,70 |
| HC 80 T4 (A2:6) | | | | | | | 1.059,10 | 1.100,80 | 1.190,70 | 1.271,30 | 1.390,30 | 1.571,30 | 1.726,40 | 2.043,30 |
| HC 80 T4 (A5:6) | | | | | | | 1.069,60 | 1.111,40 | 1.201,10 | 1.281,70 | 1.400,90 | | | |

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | |
|------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--|
| | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | |
| HC 90 T4 (A6:6) | 2.010,20 | 2.129,30 | 2.310,20 | 2.465,40 | 2.782,30 | 2.954,90 | 3.150,30 | | | | | | |
| HC 90 T4 (A6:3) | 1.882,70 | 2.001,70 | 2.182,70 | 2.337,80 | 2.654,70 | 2.827,30 | 3.022,70 | | | | | | |
| HC 100 T4 (A6:6) | | | 2.552,60 | 2.707,80 | 3.024,70 | 3.197,30 | 3.392,70 | 3.825,50 | 3.964,80 | | | | |
| HC 100 T4 (A6:3) | | | 2.425,10 | 2.580,20 | 2.897,20 | 3.069,70 | 3.265,20 | 3.697,80 | 3.837,30 | | | | |
| HC 112 T4 (A6:6) | | | 3.486,80 | 3.642,00 | 3.958,90 | 4.131,50 | 4.326,90 | 4.759,60 | 4.899,00 | 5.667,20 | 6.365,30 | | |
| HC 112 T4 (A6:3) | | | 3.359,30 | 3.514,30 | 3.831,30 | 4.003,90 | 4.199,30 | 4.632,00 | 4.771,50 | 5.539,70 | 6.237,70 | | |
| HC 125 T4 (A7:8) | | | | | | 4.711,60 | 4.907,00 | 5.339,80 | 5.479,10 | 6.247,50 | 6.945,50 | 7.381,30 | |
| HC 125 T4 (A7:4) | | | | 3.981,40 | 4.298,60 | 4.471,00 | 4.666,50 | 5.099,10 | 5.238,50 | 6.006,80 | 6.704,90 | 7.140,90 | |

THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|------------------|-----------------------|--------|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,12 | 0,18 | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | |
| HC 35 T6 (A0:6) | 490,50 | | | | | | | | | | | | | | | |
| HC 40 T6 (A0:6) | 519,80 | | | | | | | | | | | | | | | |
| HC 45 T6 (A0:6) | 558,80 | | | | | | | | | | | | | | | |
| HC 45 T6 (A5:6) | 623,10 | | | | | | | | | | | | | | | |
| HC 50 T6 (A0:6) | 645,30 | | | | | | | | | | | | | | | |
| HC 50 T6 (A5:6) | 709,60 | 722,60 | | | | | | | | | | | | | | |
| HC 56 T6 (A2:9) | 768,70 | 781,90 | 787,20 | 800,40 | 789,50 | | | | | | | | | | | |
| HC 56 T6 (A2:6) | 744,30 | 757,50 | 762,80 | 775,90 | 765,10 | | | | | | | | | | | |
| HC 56 T6 (A5:6) | 754,80 | 768,00 | 773,40 | 786,50 | 775,60 | | | | | | | | | | | |
| HC 63 T6 (A2:9) | | | | 871,40 | 860,50 | 883,80 | | | | | | | | | | |
| HC 63 T6 (A2:6) | | | | 846,90 | 836,10 | 859,40 | | | | | | | | | | |
| HC 63 T6 (A5:6) | | | | 857,40 | 846,50 | 869,90 | | | | | | | | | | |
| HC 71 T6 (A2:9) | | | | 988,00 | 977,20 | 1.000,50 | 1.047,00 | | | | | | | | | |
| HC 71 T6 (A2:6) | | | | 963,60 | 952,80 | 976,10 | 1.022,60 | | | | | | | | | |
| HC 71 T6 (A5:6) | | | | 974,10 | 963,30 | 986,60 | 1.033,10 | | | | | | | | | |
| HC 80 T6 (A2:9) | | | | 1.081,70 | 1.070,80 | 1.094,20 | 1.140,70 | 1.221,00 | 1.352,50 | | | | | | | |
| HC 80 T6 (A2:6) | | | | 1.057,40 | 1.046,40 | 1.069,80 | 1.116,20 | 1.196,60 | 1.328,10 | | | | | | | |
| HC 80 T6 (A5:6) | | | | 1.067,90 | 1.056,90 | 1.080,20 | 1.126,80 | 1.207,10 | 1.338,70 | | | | | | | |
| HC 90 T6 (A6:6) | | | | | | 1.808,70 | 1.855,20 | 1.935,60 | 2.067,10 | 2.296,70 | 2.410,30 | | | | | |
| HC 90 T6 (A6:3) | | | | | | 1.681,20 | 1.727,60 | 1.807,90 | 1.939,50 | 2.169,20 | 2.282,80 | | | | | |
| HC 100 T6 (A6:6) | | | | | | | 2.097,60 | 2.178,00 | 2.309,50 | 2.539,20 | 2.652,80 | 2.813,40 | 3.035,70 | | | |
| HC 100 T6 (A6:3) | | | | | | | 1.970,00 | 2.050,30 | 2.181,90 | 2.411,70 | 2.525,30 | 2.685,90 | 2.908,00 | | | |
| HC 112 T6 (A6:6) | | | | | | | | 3.112,00 | 3.243,70 | 3.473,30 | 3.586,90 | 3.747,60 | 3.969,70 | 4.301,00 | | |
| HC 112 T6 (A6:3) | | | | | | | | 2.984,50 | 3.116,10 | 3.345,80 | 3.459,50 | 3.620,10 | 3.842,20 | 4.173,60 | | |
| HC 125 T6 (A7:8) | | | | | | | | | | 4.053,50 | 4.167,10 | 4.327,70 | 4.549,90 | 4.881,30 | 5.383,80 | |
| HC 125 T6 (A7:4) | | | | | | | | | | 3.583,20 | 3.812,90 | 3.926,60 | 4.087,20 | 4.309,40 | 4.640,70 | 5.143,10 |

THREE PHASE RANGE 4/8 POLE | SERIE TRIFÁSICA 4/8 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | | | | | |
|---------------------|-----------------------|-----------|-----------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,25/0,03 | 0,33/0,04 | 0,55/0,09 | 0,75/0,19 | 1,1/0,18 | 1,5/0,25 | 2,2/0,37 | 3,0/55 | 4,0/75 | 5,5/1,1 | 7,5/1,5 | 11/2,8 | 15/3,5 | 17/4,3 | 20/5 | 28/6,5 | 35/8 | 37/9,2 | 44/11 | |
| HC 35 T4/T8 (A0:6) | 480,10 | | | | | | | | | | | | | | | | | | | |
| HC 40 T4/T8 (A0:6) | 509,30 | | | | | | | | | | | | | | | | | | | |
| HC 45 T4/T8 (A0:6) | 548,40 | | | | | | | | | | | | | | | | | | | |
| HC 45 T4/T8 (A5:6) | 612,60 | 618,10 | 658,50 | | | | | | | | | | | | | | | | | |
| HC 50 T4/T8 (A0:6) | 640,30 | | | | | | | | | | | | | | | | | | | |
| HC 50 T4/T8 (A5:6) | 699,10 | 704,50 | 744,90 | 779,50 | | | | | | | | | | | | | | | | |
| HC 56 T4/T8 (A2:9) | 763,70 | 804,10 | 838,70 | 875,80 | 925,10 | 1.048,60 | | | | | | | | | | | | | | |
| HC 56 T4/T8 (A2:6) | 739,30 | 779,70 | 814,30 | 851,30 | 900,70 | 1.024,10 | | | | | | | | | | | | | | |
| HC 56 T4/T8 (A5:6) | 749,90 | 790,30 | 824,80 | 861,90 | 911,30 | 1.034,70 | | | | | | | | | | | | | | |
| HC 63 T4/T8 (A2:9) | 834,70 | 875,10 | 909,70 | 946,80 | 996,10 | 1.119,60 | 1.193,60 | | | | | | | | | | | | | |
| HC 63 T4/T8 (A2:6) | 810,30 | 850,70 | 885,30 | 922,30 | 971,70 | 1.095,10 | 1.169,20 | | | | | | | | | | | | | |
| HC 63 T4/T8 (A5:6) | 820,90 | 861,30 | 895,80 | 932,90 | 982,30 | 1.105,70 | 1.179,70 | | | | | | | | | | | | | |
| HC 71 T4/T8 (A2:9) | | | 1.026,40 | 1.063,40 | 1.112,80 | 1.236,20 | 1.310,20 | 1.470,70 | | | | | | | | | | | | |
| HC 71 T4/T8 (A2:6) | | | 1.002,00 | 1.039,10 | 1.088,50 | 1.211,90 | 1.285,90 | 1.446,40 | | | | | | | | | | | | |
| HC 71 T4/T8 (A5:6) | | | 1.012,50 | 1.049,50 | 1.098,90 | 1.222,30 | 1.296,40 | 1.456,80 | | | | | | | | | | | | |
| HC 80 T4/T8 (A2:9) | | | | 1.157,20 | 1.206,50 | 1.330,00 | 1.404,00 | 1.564,40 | 1.860,60 | 2.008,70 | | | | | | | | | | |
| HC 80 T4/T8 (A2:6) | | | | 1.132,80 | 1.182,10 | 1.305,50 | 1.379,60 | 1.540,00 | 1.836,20 | 1.984,30 | | | | | | | | | | |
| HC 80 T4/T8 (A5:6) | | | | 1.143,20 | 1.192,60 | 1.316,00 | 1.390,00 | 1.550,50 | | | | | | | | | | | | |
| HC 90 T4/T8 (A6:6) | | | | | | | | 2.118,50 | 2.278,90 | 2.575,10 | 2.723,20 | 3.012,20 | 3.261,90 | | | | | | | |
| HC 90 T4/T8 (A6:3) | | | | | | | | 1.991,00 | 2.151,40 | 2.447,60 | 2.595,70 | 2.884,70 | 3.134,40 | | | | | | | |
| HC 100 T4/T8 (A6:6) | | | | | | | | | | 2.817,60 | 2.965,70 | 3.254,70 | 3.504,40 | 4.193,30 | 4.254,60 | | | | | |
| HC 100 T4/T8 (A6:3) | | | | | | | | | | 2.690,00 | 2.838,10 | 3.127,10 | 3.376,80 | 4.065,70 | 4.127,00 | | | | | |
| HC 112 T4/T8 (A6:6) | | | | | | | | | | 3.751,70 | 3.899,80 | 4.188,80 | 4.438,50 | 5.127,40 | 5.188,70 | 6.153,50 | 6.392,00 | 7.736,80 | | |
| HC 112 T4/T8 (A6:3) | | | | | | | | | | 3.624,20 | 3.772,30 | 4.061,30 | 4.311,00 | 4.999,90 | 5.061,20 | 6.026,00 | 6.264,40 | 7.609,30 | | |
| HC 125 T4/T8 (A7:8) | | | | | | | | | | | | 4.769,00 | 5.018,70 | 5.707,70 | 5.768,90 | 6.733,70 | 6.972,20 | 8.317,00 | 8.923,60 | |
| HC 125 T4/T8 (A7:4) | | | | | | | | | | | | 4.239,50 | 4.528,50 | 4.778,20 | 5.467,10 | 5.528,40 | 6.493,20 | 6.731,60 | 8.076,50 | 8.683,10 |

ALUMINIUM IMPELLER | HÉLICE DE ALUMINIO (HCA)

THREE PHASE RANGE 2 POLE | SERIE TRIFÁSICA 2 POLOS

| Modelo Modelo | Power Potencia (kW) | | | |
|------------------|-----------------------|--------|--------|--------|
| | 0,75 | 1,1 | 1,5 | 2,2 |
| HCA 40 T2 (A0:6) | | 592,00 | | 609,70 |
| HCA 45 T2 (A0:6) | | | 722,20 | 761,70 |

THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | | |
|------------------|-----------------------|--------|--------|--------|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--|
| | 0,12 | 0,18 | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | |
| HCA 35 T4 (A0:6) | 462,60 | | | | | | | | | | | | | | |
| HCA 40 T4 (A0:6) | | 497,10 | | | | | | | | | | | | | |
| HCA 45 T4 (A0:6) | | | 563,80 | | | | | | | | | | | | |
| HCA 45 T4 (A5:6) | | 669,00 | 696,70 | 701,70 | 717,80 | | | | | | | | | | |
| HCA 50 T4 (A0:6) | | | | 655,20 | | | | | | | | | | | |
| HCA 50 T4 (A5:6) | | | 783,10 | 788,20 | 804,20 | 808,90 | | | | | | | | | |
| HCA 56 T4 (A2:9) | | | | 875,80 | 892,00 | 896,50 | 936,70 | 978,30 | 1.068,20 | | | | | | |
| HCA 56 T4 (A2:6) | | | | 806,70 | 822,70 | 827,30 | 867,30 | 909,10 | 998,90 | | | | | | |
| HCA 56 T4 (A5:6) | | | | 833,50 | 849,50 | 854,00 | 894,20 | 935,80 | 1.025,80 | | | | | | |
| HCA 63 T4 (A2:9) | | | | 946,80 | 963,00 | 967,40 | 1.007,70 | 1.049,30 | 1.139,20 | 1.219,70 | | | | | |
| HCA 63 T4 (A2:6) | | | | 877,70 | 893,60 | 898,30 | 938,30 | 980,10 | 1.069,90 | 1.150,50 | | | | | |
| HCA 63 T4 (A5:6) | | | | 904,50 | 920,40 | 925,00 | 965,10 | 1.006,80 | 1.096,70 | 1.177,20 | | | | | |
| HCA 71 T4 (A2:9) | | | | | | | 1.084,20 | 1.124,30 | 1.166,00 | 1.255,90 | 1.336,50 | 1.455,60 | | | |
| HCA 71 T4 (A2:6) | | | | | | 1.015,00 | 1.055,10 | 1.096,80 | 1.186,60 | 1.267,30 | 1.386,30 | | | | |
| HCA 71 T4 (A5:6) | | | | | | 1.041,70 | 1.081,80 | 1.123,60 | 1.213,30 | 1.294,00 | 1.413,20 | | | | |
| HCA 80 T4 (A2:9) | | | | | | | 1.218,00 | 1.259,80 | 1.349,50 | 1.430,10 | 1.549,30 | 1.730,20 | 1.885,40 | 2.202,30 | |
| HCA 80 T4 (A2:6) | | | | | | | 1.148,70 | 1.190,50 | 1.280,30 | 1.360,90 | 1.479,90 | 1.661,00 | 1.816,00 | 2.132,90 | |
| HCA 80 T4 (A5:6) | | | | | | | 1.175,60 | 1.217,30 | 1.307,10 | 1.387,70 | 1.506,90 | | | | |

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | |
|-------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--|
| | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | |
| HCA 90 T4 (A6:6) | 2.232,50 | 2.351,60 | 2.532,60 | 2.687,60 | 3.004,60 | 3.177,10 | 3.372,50 | | | | | | |
| HCA 90 T4 (A6:3) | 2.002,90 | 2.122,00 | 2.303,00 | 2.458,00 | 2.775,00 | 2.947,50 | 3.143,00 | | | | | | |
| HCA 100 T4 (A6:6) | | | 2.775,00 | 2.930,10 | 3.247,10 | 3.419,50 | 3.615,00 | 4.047,70 | 4.187,10 | | | | |
| HCA 100 T4 (A6:3) | | | 2.545,40 | 2.700,50 | 3.017,40 | 3.190,00 | 3.385,50 | 3.818,10 | 3.957,50 | | | | |
| HCA 112 T4 (A6:6) | | | 3.709,20 | 3.864,20 | 4.181,20 | 4.353,70 | 4.549,10 | 4.981,90 | 5.121,30 | 5.889,60 | 6.587,70 | | |
| HCA 112 T4 (A6:3) | | | 3.479,60 | 3.634,60 | 3.951,60 | 4.124,20 | 4.319,70 | 4.752,20 | 4.891,70 | 5.660,00 | 6.358,00 | | |
| HCA 125 T4 (A7:8) | | | | | | 4.941,20 | 5.136,70 | 5.569,30 | 5.708,70 | 6.477,00 | 7.175,00 | 7.611,00 | |
| HCA 125 T4 (A7:4) | | | | 4.145,60 | 4.462,50 | 4.635,00 | 4.830,40 | 5.263,20 | 5.402,50 | 6.171,00 | 6.868,90 | 7.304,80 | |

THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | | |
|-------------------|-----------------------|--------|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,12 | 0,18 | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| HCA 35 T6 (A0:6) | 527,70 | | | | | | | | | | | | | | |
| HCA 40 T6 (A0:6) | 557,00 | | | | | | | | | | | | | | |
| HCA 45 T6 (A0:6) | 596,10 | | | | | | | | | | | | | | |
| HCA 45 T6 (A5:6) | 729,10 | | | | | | | | | | | | | | |
| HCA 50 T6 (A0:6) | 682,50 | | | | | | | | | | | | | | |
| HCA 50 T6 (A5:6) | 815,40 | 828,60 | | | | | | | | | | | | | |
| HCA 56 T6 (A2:9) | 903,20 | 916,40 | 921,70 | 934,90 | 924,00 | | | | | | | | | | |
| HCA 56 T6 (A2:6) | 834,00 | 847,10 | 852,40 | 865,70 | 854,80 | | | | | | | | | | |
| HCA 56 T6 (A5:6) | 860,70 | 874,00 | 879,20 | 892,40 | 881,50 | | | | | | | | | | |
| HCA 63 T6 (A2:9) | | | | 1.005,80 | 994,90 | 1.018,30 | | | | | | | | | |
| HCA 63 T6 (A2:6) | | | | 936,70 | 925,80 | 949,00 | | | | | | | | | |
| HCA 63 T6 (A5:6) | | | | 963,40 | 952,50 | 975,80 | | | | | | | | | |
| HCA 71 T6 (A2:9) | | | | 1.122,60 | 1.111,70 | 1.134,90 | 1.181,50 | | | | | | | | |
| HCA 71 T6 (A2:6) | | | | 1.053,20 | 1.042,50 | 1.065,70 | 1.112,20 | | | | | | | | |
| HCA 71 T6 (A5:6) | | | | 1.080,10 | 1.069,30 | 1.092,40 | 1.139,10 | | | | | | | | |
| HCA 80 T6 (A2:9) | | | | 1.216,20 | 1.205,40 | 1.228,60 | 1.275,20 | 1.355,40 | 1.487,00 | | | | | | |
| HCA 80 T6 (A2:6) | | | | 1.147,00 | 1.136,10 | 1.159,40 | 1.205,90 | 1.286,20 | 1.417,70 | | | | | | |
| HCA 80 T6 (A5:6) | | | | 1.173,80 | 1.162,90 | 1.186,20 | 1.232,70 | 1.312,90 | 1.444,50 | | | | | | |
| HCA 90 T6 (A6:6) | | | | | | 2.031,10 | 2.077,60 | 2.157,80 | 2.289,30 | 2.519,10 | 2.632,70 | | | | |
| HCA 90 T6 (A6:3) | | | | | | 1.801,40 | 1.847,90 | 1.928,20 | 2.059,80 | 2.289,40 | 2.403,10 | | | | |
| HCA 100 T6 (A6:6) | | | | | | 2.320,00 | 2.400,20 | 2.531,70 | 2.761,50 | 2.875,10 | 3.035,80 | 3.258,00 | | | |
| HCA 100 T6 (A6:3) | | | | | | 2.090,40 | 2.170,60 | 2.302,20 | 2.531,90 | 2.645,50 | 2.806,20 | 3.028,30 | | | |
| HCA 112 T6 (A6:6) | | | | | | | 3.334,40 | 3.465,90 | 3.695,70 | 3.809,30 | 3.969,90 | 4.192,20 | 4.523,50 | | |
| HCA 112 T6 (A6:3) | | | | | | | 3.104,80 | 3.236,30 | 3.466,00 | 3.579,70 | 3.740,40 | 3.962,50 | 4.293,80 | | |
| HCA 125 T6 (A7:8) | | | | | | | | | 4.283,00 | 4.396,70 | 4.557,40 | 4.779,50 | 5.110,80 | 5.613,40 | |
| HCA 125 T6 (A7:4) | | | | | | | | | 3.747,30 | 3.976,90 | 4.090,50 | 4.251,20 | 4.473,40 | 4.804,70 | 5.307,30 |

THREE PHASE RANGE 4/8 POLE | SERIE TRIFÁSICA 4/8 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | | | | | |
|----------------------|-----------------------|-----------|-----------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|-------|--|
| | 0,25/0,03 | 0,33/0,04 | 0,55/0,09 | 0,75/0,19 | 1,1/0,18 | 1,5/0,25 | 2,2/0,37 | 3/0,55 | 4/0,75 | 5,5/1,1 | 7,5/1,5 | 11/2,8 | 15/3,5 | 17/4,3 | 20/5 | 28/6,5 | 35/8 | 37/9,2 | 44/11 | |
| HCA 35 T4/T8 (A0:6) | 517,20 | | | | | | | | | | | | | | | | | | | |
| HCA 40 T4/T8 (A0:6) | 546,60 | | | | | | | | | | | | | | | | | | | |
| HCA 45 T4/T8 (A0:6) | 585,60 | | | | | | | | | | | | | | | | | | | |
| HCA 45 T4/T8 (A5:6) | 718,60 | 724,10 | 764,50 | | | | | | | | | | | | | | | | | |
| HCA 50 T4/T8 (A0:6) | 677,50 | | | | | | | | | | | | | | | | | | | |
| HCA 50 T4/T8 (A5:6) | 805,00 | 810,50 | 850,90 | 885,50 | | | | | | | | | | | | | | | | |
| HCA 56 T4/T8 (A2:9) | 898,30 | 938,70 | 973,30 | 1.010,30 | 1.059,70 | 1.183,10 | | | | | | | | | | | | | | |
| HCA 56 T4/T8 (A2:6) | 828,90 | 869,30 | 903,90 | 941,00 | 990,30 | 1.113,80 | | | | | | | | | | | | | | |
| HCA 56 T4/T8 (A5:6) | 855,70 | 896,10 | 930,70 | 967,80 | 1.017,10 | 1.140,60 | | | | | | | | | | | | | | |
| HCA 63 T4/T8 (A2:9) | 969,20 | 1.009,60 | 1.044,20 | 1.081,20 | 1.130,60 | 1.254,00 | 1.328,10 | | | | | | | | | | | | | |
| HCA 63 T4/T8 (A2:6) | 899,90 | 940,30 | 974,90 | 1.012,00 | 1.061,30 | 1.184,80 | 1.258,80 | | | | | | | | | | | | | |
| HCA 63 T4/T8 (A5:6) | 926,70 | 967,10 | 1.001,70 | 1.038,80 | 1.088,10 | 1.211,60 | 1.285,60 | | | | | | | | | | | | | |
| HCA 71 T4/T8 (A2:9) | | | 1.160,90 | 1.198,00 | 1.247,30 | 1.370,70 | 1.444,80 | 1.605,20 | | | | | | | | | | | | |
| HCA 71 T4/T8 (A2:6) | | | 1.091,70 | 1.128,70 | 1.178,10 | 1.301,50 | 1.375,60 | 1.536,00 | | | | | | | | | | | | |
| HCA 71 T4/T8 (A5:6) | | | 1.118,50 | 1.155,50 | 1.204,90 | 1.328,30 | 1.402,40 | 1.562,80 | | | | | | | | | | | | |
| HCA 80 T4/T8 (A2:9) | | | 1.291,60 | 1.341,00 | 1.464,40 | 1.538,50 | 1.698,90 | 1.995,10 | 2.143,20 | | | | | | | | | | | |
| HCA 80 T4/T8 (A2:6) | | | 1.222,40 | 1.271,70 | 1.395,20 | 1.469,20 | 1.629,70 | 1.925,80 | 2.073,90 | | | | | | | | | | | |
| HCA 80 T4/T8 (A5:6) | | | 1.249,20 | 1.298,60 | 1.422,00 | 1.496,00 | 1.656,50 | | | | | | | | | | | | | |
| HCA 90 T4/T8 (A6:6) | | | | | | 2.340,80 | 2.501,20 | 2.797,40 | 2.945,50 | 3.234,50 | 3.484,20 | | | | | | | | | |
| HCA 90 T4/T8 (A6:3) | | | | | | 2.111,20 | 2.271,70 | 2.567,80 | 2.715,90 | 3.005,00 | 3.254,70 | | | | | | | | | |
| HCA 100 T4/T8 (A6:6) | | | | | | | | 3.039,90 | 3.188,00 | 3.477,00 | 3.726,70 | 4.415,70 | 4.476,90 | | | | | | | |
| HCA 100 T4/T8 (A6:3) | | | | | | | | 2.810,20 | 2.958,30 | 3.247,40 | 3.497,10 | 4.186,00 | 4.247,30 | | | | | | | |
| HCA 112 T4/T8 (A6:6) | | | | | | | | 3.974,00 | 4.122,10 | 4.411,10 | 4.660,80 | 5.349,70 | 5.411,00 | 6.375,80 | 6.614,30 | 7.959,10 | | | | |
| HCA 112 T4/T8 (A6:3) | | | | | | | | 3.744,40 | 3.892,50 | 4.181,60 | 4.431,30 | 5.120,20 | 5.181,40 | 6.146,20 | 6.384,70 | 7.729,50 | | | | |
| HCA 125 T4/T8 (A7:8) | | | | | | | | | 4.998,60 | 5.248,30 | 5.937,20 | 5.998,50 | 6.963,30 | 7.201,70 | 8.546,60 | 9.153,20 | | | | |
| HCA 125 T4/T8 (A7:4) | | | | | | | | | 4.403,40 | 4.692,40 | 4.942,10 | 5.631,10 | 5.692,30 | 6.657,10 | 6.895,60 | 8.240,40 | 8.847,10 | | | |

HC|HCA EVO EEC

Short cased variable pitch blades with EEC motor

Tubular de camisa corta de pala variable con motor EEC



HC EVO EEC



HCA EVO EEC



| MANUFACTURING FEATURES

- Short cased axial fan with reinforced body, with double flange, made of rolling steel sheet.
- Pad mounted motor support system with guide vanes.
- Protected against corrosion by powder coating of epoxy-polyester resin.
- Low sound level and high performance.
- Electronic high performance permanent magnet motor EEC Probat by Casals.
- PM brushless motor (permanent magnets), synchronous, electronically commutated, high efficiency and low sound level. Specially designed for fans with electronic operation and control in deprotected box IP65.

- Working range: from 400 to 1200-2000rpm (depending on the models).
- Motor with IP54 protection and class F insulation. IP 65 drive case.
- Power: 220V \pm 10% single phase.
- Power frequency: 50/60Hz.
- Operating temperature range: -20°C to 50°C.
- Speed control through signal 0-10V or PWM.

- 100% controllable thanks to the control. Controlled by high efficiency drive.
- HC EVO EEC: Polyamide impeller with variable pitch angle (Stopped and in origin) reinforced with fibreglass.
- HCA EVO EEC: Cast aluminium impeller with variable pitch angle (Stopped and in origin).

| APPLICATIONS

Designed for inline installation, they are suitable for:

- Air renewal in buildings and industries.
- Smoke extraction.
- Maximum continuous working temperature 60°C.

| UNDER REQUEST

- Casing in hot galvanized sheet or stainless steel.

| CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador con envolvente tubular reforzado de camisa corta, de doble brida, fabricada en chapa de acero laminado.
- Sistema soporte motor pad mounted de álabes directrices.
- Protegidos contra la corrosión mediante recubrimiento en polvo de resina epoxy-poliéster.
- Bajo nivel sonoro y altas prestaciones.
- Motor electrónico de imanes permanentes de alto rendimiento EEC Probat by Casals.

• Motor brushless PM (imanes permanentes), síncrono, conmutado electrónicamente, de alta eficiencia y bajo nivel sonora. Especialmente diseñado para ventiladores con electrónica de funcionamiento y control en caja deprotecteda IP 65.

- Rango de trabajo: desde 400 hasta 1200-2000rpm (dependiendo de los modelos).
- Motor con protección IP54 y aislamiento clase F. Caja del drive IP 65.
- Alimentación: 220V \pm 10% monofásica.
- Frecuencia de alimentación: 50/60Hz.
- Rango de temperatura de funcionamiento: -20°C a 50°C.

- Control de velocidad a través de señal 0-10V o PWM.

- Regulabilidad al 100% gracias al control. Controlado mediante drive de alta eficiencia.
- HC EVO EEC: hélice de poliamida reforzada con fibra de vidrio de ángulo variable en paro y en origen.
- HCA EVO EEC: hélice en fundición de aluminio de ángulo variable en paro y en origen.

| APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Renovación de aire en todo tipo de edificios e industrias.
- Extracción de humos.
- Temperatura máxima de trabajo en continuo 60°C.

| BAJO DEMANDA

- Envolvente en chapa galvanizada en caliente o acero inoxidable.

ACCESSORIES | ACCESORIOS



REGC pg.431

Air flow controller for EEC motors.
Regulador de caudal para motores EEC.



INT pg.434

Safety switch.
Interruptor de corte.



RP pg.396

Inlet protection guard.
Rejilla de protección.



AC pg.411

Connexion flange.
Brida de connexion.



BA-400 pg.416

Anti-vibrating flange 400°/2h. flexible.
Brida antivibratoria 400°/2h.



PO pg.408

Optional support.
Pie opcional.



MC HB pg.415

Square mounting frame.
Marco soporte cuadrado.



SIL-C pg.426

Duct circular silencer.
Silenciador circular conducto.



BAD pg.416

Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



JE 45 pg.416

Flexible joint.
Junta elástica.

POLYAMIDE IMPELLER | HÉLICE DE POLIAMIDA (HC EVO EEC)
SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | R.P.M. | Rated I (A) 230V | Power kW | Air flow m³/h | Sound dB (A) | Angle pitch | Weight Kg | R.R.P. € Pol. |
|--------------|---------------|--------|--------------------|-------------|---------------|---------------|--------------|-----------|---------------|
| Código | Modelo | R.P.M. | I nominal (A) 230V | Potencia kW | Q máx. m³/h | Sonido dB (A) | Ángulo incl. | Peso Kg | P.V.P € Pol. |
| 277359040PEC | HC EVO 35 EEC | 2000 | 5 | 0,37 | 5.130 | 66 | 40 | 12 | 701,10 |
| 277409040PEC | HC EVO 40 EEC | 2000 | 6 | 0,75 | 7.000 | 71 | 40 | 16 | 847,10 |
| 277459040PEC | HC EVO 45 EEC | 2000 | 6 | 0,75 | 9.530 | 71 | 40 | 18 | 875,50 |
| 277509040PEC | HC EVO 50 EEC | 2000 | 10 | 1,5 | 12.200 | 73 | 40 | 24 | 1.143,10 |
| 277569540PEC | HC EVO 56 EEC | 1500 | 10 | 1,5 | 14.300 | 71 | 40 | 36 | 1.253,00 |
| 277639535PEC | HC EVO 63 EEC | 1500 | 10 | 1,5 | 17.500 | 71 | 35 | 48 | 1.297,70 |

ALUMINIUM IMPELLER | HÉLICE DE ALUMINIO (HCA EVO EEC)
SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | R.P.M. | Rated I (A) 230V | Power kW | Air flow m³/h | Sound dB (A) | Angle pitch | Weight Kg | R.R.P. € Al. |
|--------------|----------------|--------|--------------------|-------------|---------------|---------------|--------------|-----------|--------------|
| Código | Modelo | R.P.M. | I nominal (A) 230V | Potencia kW | Q máx. m³/h | Sonido dB (A) | Ángulo incl. | Peso Kg | P.V.P € Al. |
| 277359040AEC | HCA EVO 35 EEC | 2000 | 5 | 0,37 | 5.130 | 66 | 40 | 12 | 771,30 |
| 277409040AEC | HCA EVO 40 EEC | 2000 | 6 | 0,75 | 7.000 | 71 | 40 | 16 | 931,70 |
| 277459040AEC | HCA EVO 45 EEC | 2000 | 6 | 0,75 | 9.530 | 71 | 40 | 18 | 963,10 |
| 277509040AEC | HCA EVO 50 EEC | 2000 | 10 | 1,5 | 12.200 | 73 | 40 | 24 | 1.257,40 |
| 277569540AEC | HCA EVO 56 EEC | 1500 | 10 | 1,5 | 14.300 | 71 | 40 | 36 | 1.378,30 |
| 277639535AEC | HCA EVO 63 EEC | 1500 | 10 | 1,5 | 17.500 | 71 | 35 | 48 | 1.427,50 |



> ESTELADESIGN <

www.casals.com

HM | HMA

Long cased variable pitch blades

Tubular de camisa larga de pala variable



HM



HMA



MANUFACTURING FEATURES

- Reinforced fan casing manufactured in rolling steel sheet.
- Motor-impeller modular assembly for complete versatility.
- Protected against corrosion by powder coating of epoxy-polyester resin.
- Standard asynchronous squirrel-cage motor with IP-55 protection and Class F insulation. Manufactured with standard voltages: 230V 50Hz in single phase motors and 230/400V 50Hz in three phase motors up to 4kW, and 400/690V 50Hz for higher powers.
- HM: polyamide impeller with variable pitch angle (stopped and in origin) reinforced with fibreglass.
- HMA: cast aluminium impeller with variable pitch angle (stopped and in origin).

APPLICATIONS

Designed for inline installation, they are suitable for:

- Air renewal in buildings and industries.
- Smoke extraction (max. 50-60°C).
- Maximum working temperature: single phase 50°C, three phase 60°C.

UNDER REQUEST

- B form impeller (air flow from impeller to motor). 5% additional cost.
- 100% reversible impeller. 5% additional cost.
- Special voltages. 10% additional cost only in three phase models.
- Hot-dipped galvanised or stainless steel housing.

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador con envoltorio tubular reforzado fabricado en chapa de acero laminado.
- Montaje modular del conjunto motor hélice que permite una total versatilidad en caso de cualquier cambio.
- Protegidos contra la corrosión mediante recubrimiento en polvo de resina epoxy-poliéster.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230V 50Hz para motores monofásicos, 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- HM: hélice de poliamida reforzada con fibra de vidrio de ángulo variable en paro y en origen.
- HMA: hélice en fundición de aluminio de ángulo variable en paro y en origen.

APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Renovación de aire en todo tipo de edificios e industrias.
- Temperatura máxima de trabajo en continuo: monofásicos 50°C, trifásicos 60°C.

BAJO DEMANDA

- Hélice impelente (sentido de aire hélice-motor). Incremento 5% sobre PVP.
- Hélice reversible 100%. Incremento 5% sobre PVP.
- Envoltorio en chapa galvanizada en caliente o acero inoxidable.

ACCESSORIES | ACCESORIOS



REGC pg.431

Air flow controller for EEC motors.
Regulador de caudal para motores EEC.



INT pg.434

Safety switch.
Interruptor de corte.



RP pg.396

Inlet protection guard.
Rejilla de protección.



AC pg.411

Connexion flange.
Brida de conexión.



BA-400 pg.416

Anti-vibrating flange 400%/2h. flexible.
Brida antivibratoria 400%/2h.



PO pg.408

Optional support.
Pie opcional.



MC HB pg.415

Square mounting frame.
Marco soporte cuadrado.



SIL-C pg.426

Duct circular silencer.
Silenciador circular conducto.



BAD pg.416

Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



JE 45 pg.416

Flexible joint.
Junta elástica.

POLYAMIDE IMPELLER | HÉLICE DE POLIAMIDA (HM)
SINGLE PHASE RANGE 2 POLE | SERIE MONOFÁSICA 2 POLOS

| Modelo Modelo | Power Potencia (kW) | | |
|-----------------|-----------------------|--------|--------|
| | 0,55 | 0,75 | 1,1 |
| HM 35 M2 (A0:6) | 485,20 | 550,90 | 584,20 |

SINGLE PHASE RANGE 4 POLE | SERIE MONOFÁSICA 4 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | |
|-----------------|-----------------------|--------|--------|--------|--------|----------|
| | 0,12 | 0,18 | 0,25 | 0,37 | 0,55 | 0,75 |
| HM 35 M4 (A0:6) | 378,10 | | | | | |
| HM 40 M4 (A0:6) | | 424,50 | 447,40 | | | |
| HM 45 M4 (A0:6) | | | 498,90 | | | |
| HM 45 M4 (A5:6) | | 540,30 | 563,10 | 582,00 | 630,80 | |
| HM 50 M4 (A0:6) | | | | 623,10 | | |
| HM 50 M4 (A5:6) | | | 668,70 | 687,40 | 736,30 | 763,70 |
| HM 56 M4 (A2:9) | | | | 793,80 | 842,70 | 870,10 |
| HM 56 M4 (A2:6) | | | | 769,50 | 818,30 | 845,70 |
| HM 56 M4 (A5:6) | | | | 779,90 | 828,80 | 856,30 |
| HM 63 M4 (A2:9) | | | | 874,90 | 923,80 | 951,30 |
| HM 63 M4 (A2:6) | | | | 850,50 | 899,40 | 926,80 |
| HM 63 M4 (A5:6) | | | | 861,00 | 909,90 | 937,40 |
| HM 71 M4 (A2:9) | | | | | | 1.061,20 |
| HM 71 M4 (A2:6) | | | | | | 1.036,80 |
| HM 71 M4 (A5:6) | | | | | | 1.047,30 |

SINGLE PHASE RANGE 6 POLE | SERIE MONOFÁSICA 6 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | |
|-----------------|-----------------------|--------|--------|----------|----------|----------|
| | 0,12 | 0,18 | 0,25 | 0,37 | 0,55 | 0,75 |
| HM 45 M6 (A0:6) | 477,30 | | | | | |
| HM 45 M6 (A5:6) | 541,60 | | | | | |
| HM 50 M6 (A0:6) | 582,90 | | | | | |
| HM 50 M6 (A5:6) | 647,20 | 677,00 | | | | |
| HM 56 M6 (A2:9) | 753,60 | 783,40 | 796,70 | 864,00 | 898,80 | |
| HM 56 M6 (A2:6) | 729,20 | 759,10 | 772,30 | 839,60 | 874,40 | |
| HM 56 M6 (A5:6) | 739,70 | 769,50 | 782,90 | 850,10 | 884,90 | |
| HM 63 M6 (A2:9) | | | | 945,20 | 979,90 | 1.032,70 |
| HM 63 M6 (A2:6) | | | | 920,70 | 955,50 | 1.008,30 |
| HM 63 M6 (A5:6) | | | | 931,20 | 966,10 | 1.018,90 |
| HM 71 M6 (A2:9) | | | | 1.055,10 | 1.089,90 | 1.142,60 |
| HM 71 M6 (A2:6) | | | | 1.030,70 | 1.065,40 | 1.118,20 |
| HM 71 M6 (A5:6) | | | | 1.041,10 | 1.076,00 | 1.128,80 |

ALUMINIUM IMPELLER | HÉLICE DE ALUMINIO (HMA)

SINGLE PHASE RANGE 2 POLE | SERIE MONOFÁSICA 2 POLOS

| Modelo Modelo | Power Potencia (kW) | | | |
|------------------|-----------------------|--------|--------|--------|
| | 0,37 | 0,55 | 0,75 | 1,1 |
| HMA 35 M2 (A0:6) | | 530,10 | 596,00 | 629,20 |

SINGLE PHASE RANGE 4 POLE | SERIE MONOFÁSICA 4 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | |
|------------------|-----------------------|--------|--------|----------|----------|----------|
| | 0,12 | 0,18 | 0,25 | 0,37 | 0,55 | 0,75 |
| HMA 35 M4 (A0:6) | 415,30 | | | | | |
| HMA 40 M4 (A0:6) | | 461,70 | 484,60 | | | |
| HMA 45 M4 (A0:6) | | | 536,10 | | | |
| HMA 45 M4 (A5:6) | | 646,30 | 669,10 | 687,90 | 736,70 | |
| HMA 50 M4 (A0:6) | | | | 660,40 | | |
| HMA 50 M4 (A5:6) | | | 774,70 | 793,30 | 842,20 | 869,70 |
| HMA 56 M4 (A2:9) | | | | 928,30 | 977,10 | 1.004,70 |
| HMA 56 M4 (A2:6) | | | | 859,20 | 908,00 | 935,30 |
| HMA 56 M4 (A5:6) | | | | 885,90 | 934,70 | 962,20 |
| HMA 63 M4 (A2:9) | | | | 1.009,40 | 1.058,30 | 1.085,80 |
| HMA 63 M4 (A2:6) | | | | 940,20 | 989,00 | 1.016,50 |
| HMA 63 M4 (A5:6) | | | | 967,00 | 1.015,90 | 1.043,30 |
| HMA 71 M4 (A2:9) | | | | | | 1.195,60 |
| HMA 71 M4 (A2:6) | | | | | | 1.126,40 |
| HMA 71 M4 (A5:6) | | | | | | 1.153,20 |

SINGLE PHASE RANGE 6 POLE | SERIE MONOFÁSICA 6 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | |
|------------------|-----------------------|--------|--------|----------|----------|----------|
| | 0,12 | 0,18 | 0,25 | 0,37 | 0,55 | 0,75 |
| HMA 45 M6 (A0:6) | 514,60 | | | | | |
| HMA 45 M6 (A5:6) | 647,60 | | | | | |
| HMA 50 M6 (A0:6) | 620,20 | | | | | |
| HMA 50 M6 (A5:6) | 753,20 | 782,90 | | | | |
| HMA 56 M6 (A2:9) | 888,10 | 917,80 | 931,30 | 998,50 | 1.033,30 | |
| HMA 56 M6 (A2:6) | 818,80 | 848,70 | 862,10 | 929,30 | 964,00 | |
| HMA 56 M6 (A5:6) | 845,70 | 875,40 | 888,90 | 956,00 | 990,90 | |
| HMA 63 M6 (A2:9) | | | | 1.079,60 | 1.114,50 | 1.167,20 |
| HMA 63 M6 (A2:6) | | | | 1.010,40 | 1.045,10 | 1.097,90 |
| HMA 63 M6 (A5:6) | | | | 1.037,20 | 1.071,90 | 1.124,80 |
| HMA 71 M6 (A2:9) | | | | 1.189,50 | 1.224,40 | 1.277,10 |
| HMA 71 M6 (A2:6) | | | | 1.120,30 | 1.155,10 | 1.207,80 |
| HMA 71 M6 (A5:6) | | | | 1.147,10 | 1.181,90 | 1.234,70 |

POLYAMIDE IMPELLER | HÉLICE DE POLIAMIDA (HM)
THREE PHASE RANGE 2 POLE | SERIE TRIFÁSICA 2 POLOS

| Modelo Modelo | Power Potencia (kW) | | | |
|-----------------|-----------------------|--------|--------|--------|
| | 0,37 | 0,55 | 0,75 | 1,1 |
| HM 35 T2 (A0:6) | | 532,40 | 530,40 | 548,10 |

THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | |
|-----------------|-----------------------|--------|--------|--------|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,12 | 0,18 | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 |
| HM 35 T4 (A0:6) | 442,20 | | | | | | | | | | | | | |
| HM 40 T4 (A0:6) | | 486,60 | | | | | | | | | | | | |
| HM 45 T4 (A0:6) | | | 565,70 | | | | | | | | | | | |
| HM 45 T4 (A5:6) | | 602,40 | 630,00 | 635,10 | 651,10 | | | | | | | | | |
| HM 50 T4 (A0:6) | | | | 676,30 | | | | | | | | | | |
| HM 50 T4 (A5:6) | | | 735,60 | 740,50 | 756,60 | 761,10 | | | | | | | | |
| HM 56 T4 (A2:9) | | | | 846,90 | 863,10 | 867,50 | 907,70 | 949,40 | 1.039,20 | | | | | |
| HM 56 T4 (A2:6) | | | | 822,50 | 838,70 | 843,10 | 883,40 | 925,00 | 1.014,90 | | | | | |
| HM 56 T4 (A5:6) | | | | 833,10 | 849,10 | 853,70 | 893,80 | 935,50 | 1.025,40 | | | | | |
| HM 63 T4 (A2:9) | | | | 928,10 | 944,10 | 948,70 | 988,70 | 1.030,50 | 1.120,30 | 1.200,90 | | | | |
| HM 63 T4 (A2:6) | | | | 903,70 | 919,70 | 924,30 | 964,30 | 1.006,10 | 1.095,90 | 1.176,50 | | | | |
| HM 63 T4 (A5:6) | | | | 914,10 | 930,30 | 934,80 | 974,90 | 1.016,60 | 1.106,40 | 1.187,00 | | | | |
| HM 71 T4 (A2:9) | | | | | | 1.058,60 | 1.098,70 | 1.140,50 | 1.230,20 | 1.310,80 | 1.430,00 | | | |
| HM 71 T4 (A2:6) | | | | | | 1.034,20 | 1.074,20 | 1.116,00 | 1.205,80 | 1.286,40 | 1.405,60 | | | |
| HM 71 T4 (A5:6) | | | | | | 1.044,70 | 1.084,80 | 1.126,50 | 1.216,30 | 1.297,00 | 1.416,00 | | | |
| HM 80 T4 (A2:9) | | | | | | | 1.205,50 | 1.247,20 | 1.337,00 | 1.417,60 | 1.536,80 | 1.717,70 | 1.872,70 | 2.189,70 |
| HM 80 T4 (A2:6) | | | | | | | 1.181,00 | 1.222,70 | 1.312,60 | 1.393,20 | 1.512,30 | 1.693,40 | 1.848,30 | 2.165,30 |
| HM 80 T4 (A5:6) | | | | | | | 1.191,60 | 1.233,30 | 1.323,10 | 1.403,80 | 1.522,90 | | | |

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | |
|------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| HM 90 T4 (A6:6) | 2.282,10 | 2.401,20 | 2.582,20 | 2.737,20 | 3.054,10 | 3.226,70 | 3.422,10 | | | | | |
| HM 90 T4 (A6:3) | 2.154,50 | 2.273,70 | 2.454,60 | 2.609,60 | 2.926,70 | 3.099,10 | 3.294,60 | | | | | |
| HM 100 T4 (A6:6) | | | 2.667,40 | 2.822,30 | 3.139,40 | 3.311,90 | 3.507,40 | 3.940,00 | 4.079,50 | | | |
| HM 100 T4 (A6:3) | | | 2.539,80 | 2.694,80 | 3.011,90 | 3.184,40 | 3.379,80 | 3.812,50 | 3.951,80 | | | |
| HM 112 T4 (A6:6) | | | 3.787,60 | 3.942,70 | 4.259,60 | 4.432,10 | 4.627,60 | 5.060,30 | 5.199,60 | 5.967,90 | 6.666,00 | |
| HM 112 T4 (A6:3) | | | 3.660,10 | 3.815,10 | 4.132,00 | 4.304,60 | 4.500,00 | 4.932,70 | 5.072,10 | 5.840,50 | 6.538,50 | |
| HM 125 T4 (A7:8) | | | | | | 5.038,50 | 5.233,90 | 5.666,60 | 5.805,90 | 6.574,20 | 7.272,30 | 7.708,20 |
| HM 125 T4 (A7:4) | | | | 4.308,30 | 4.625,30 | 4.797,80 | 4.993,30 | 5.426,00 | 5.565,40 | 6.333,70 | 7.031,80 | 7.467,70 |

THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|------------------|-----------------------|--------|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,12 | 0,18 | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | |
| HM 35 T6 (A0:6) | 507,20 | | | | | | | | | | | | | | | |
| HM 40 T6 (A0:6) | 546,60 | | | | | | | | | | | | | | | |
| HM 45 T6 (A0:6) | 598,00 | | | | | | | | | | | | | | | |
| HM 45 T6 (A5:6) | 662,30 | | | | | | | | | | | | | | | |
| HM 50 T6 (A0:6) | 703,60 | | | | | | | | | | | | | | | |
| HM 50 T6 (A5:6) | 767,90 | 781,10 | | | | | | | | | | | | | | |
| HM 56 T6 (A2:9) | 874,30 | 887,50 | 892,70 | 905,90 | 895,10 | | | | | | | | | | | |
| HM 56 T6 (A2:6) | 849,80 | 863,10 | 868,30 | 881,50 | 870,60 | | | | | | | | | | | |
| HM 56 T6 (A5:6) | 860,40 | 873,50 | 878,80 | 892,10 | 881,20 | | | | | | | | | | | |
| HM 63 T6 (A2:9) | | | | 987,10 | 976,20 | 999,40 | | | | | | | | | | |
| HM 63 T6 (A2:6) | | | | 962,70 | 951,80 | 975,00 | | | | | | | | | | |
| HM 63 T6 (A5:6) | | | | 973,10 | 962,30 | 985,50 | | | | | | | | | | |
| HM 71 T6 (A2:9) | | | | 1.097,00 | 1.086,10 | 1.109,30 | 1.155,90 | | | | | | | | | |
| HM 71 T6 (A2:6) | | | | 1.072,60 | 1.061,70 | 1.084,90 | 1.131,50 | | | | | | | | | |
| HM 71 T6 (A5:6) | | | | 1.083,00 | 1.072,30 | 1.095,40 | 1.141,90 | | | | | | | | | |
| HM 80 T6 (A2:9) | | | | 1.203,80 | 1.192,90 | 1.216,10 | 1.262,60 | 1.342,90 | 1.474,50 | | | | | | | |
| HM 80 T6 (A2:6) | | | | 1.179,30 | 1.168,50 | 1.191,70 | 1.238,20 | 1.318,50 | 1.450,00 | | | | | | | |
| HM 80 T6 (A5:6) | | | | 1.189,80 | 1.179,00 | 1.202,30 | 1.248,70 | 1.329,00 | 1.460,60 | | | | | | | |
| HM 90 T6 (A6:6) | | | | | | 2.080,70 | 2.127,10 | 2.207,30 | 2.338,90 | 2.568,70 | 2.682,30 | | | | | |
| HM 90 T6 (A6:3) | | | | | | 1.953,00 | 1.999,60 | 2.079,70 | 2.211,30 | 2.441,00 | 2.554,70 | | | | | |
| HM 100 T6 (A6:6) | | | | | | | 2.212,30 | 2.292,50 | 2.424,10 | 2.653,80 | 2.767,50 | 2.928,10 | 3.150,30 | | | |
| HM 100 T6 (A6:3) | | | | | | | 2.084,80 | 2.164,90 | 2.296,60 | 2.526,20 | 2.639,90 | 2.800,50 | 3.022,70 | | | |
| HM 112 T6 (A6:6) | | | | | | | | 3.412,70 | 3.544,30 | 3.774,00 | 3.887,70 | 4.048,30 | 4.270,50 | 4.601,80 | | |
| HM 112 T6 (A6:3) | | | | | | | | 3.285,30 | 3.416,80 | 3.646,50 | 3.760,20 | 3.920,80 | 4.143,00 | 4.474,30 | | |
| HM 125 T6 (A7:8) | | | | | | | | | | 4.380,30 | 4.494,00 | 4.654,60 | 4.876,70 | 5.208,10 | 5.710,60 | |
| HM 125 T6 (A7:4) | | | | | | | | | | 3.910,00 | 4.139,80 | 4.253,40 | 4.414,10 | 4.636,30 | 4.967,60 | 5.470,00 |

THREE PHASE RANGE 4/8 POLE | SERIE TRIFÁSICA 4/8 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | | | | | |
|---------------------|-----------------------|-----------|-----------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,25/0,03 | 0,33/0,04 | 0,55/0,09 | 0,75/0,19 | 1,1/0,18 | 1,5/0,25 | 2,2/0,37 | 3/0,55 | 4/0,75 | 5,5/1,1 | 7,5/1,5 | 11/2,8 | 15/3,5 | 17/4,3 | 20/5 | 28/6,5 | 35/8 | 37/9,2 | 44/11 | |
| HM 35 T4/T8 (A0:6) | 496,70 | | | | | | | | | | | | | | | | | | | |
| HM 40 T4/T8 (A0:6) | 536,10 | | | | | | | | | | | | | | | | | | | |
| HM 45 T4/T8 (A0:6) | 587,60 | | | | | | | | | | | | | | | | | | | |
| HM 45 T4/T8 (A5:6) | 651,90 | 657,30 | 697,70 | | | | | | | | | | | | | | | | | |
| HM 50 T4/T8 (A0:6) | | 698,60 | | | | | | | | | | | | | | | | | | |
| HM 50 T4/T8 (A5:6) | 757,40 | 762,90 | 803,30 | 837,90 | | | | | | | | | | | | | | | | |
| HM 56 T4/T8 (A2:9) | | 869,30 | 909,70 | 944,30 | 981,30 | 1.030,70 | 1.154,10 | | | | | | | | | | | | | |
| HM 56 T4/T8 (A2:6) | | 844,90 | 885,30 | 919,90 | 956,90 | 1.006,30 | 1.129,70 | | | | | | | | | | | | | |
| HM 56 T4/T8 (A5:6) | | 855,40 | 895,80 | 930,40 | 967,50 | 1.016,80 | 1.140,30 | | | | | | | | | | | | | |
| HM 63 T4/T8 (A2:9) | | 950,40 | 990,80 | 1.025,40 | 1.062,50 | 1.111,80 | 1.235,30 | 1.309,30 | | | | | | | | | | | | |
| HM 63 T4/T8 (A2:6) | | 926,00 | 966,40 | 1.001,00 | 1.038,00 | 1.087,40 | 1.210,80 | 1.284,90 | | | | | | | | | | | | |
| HM 63 T4/T8 (A5:6) | | 936,50 | 976,90 | 1.011,50 | 1.048,50 | 1.097,90 | 1.221,30 | 1.295,30 | | | | | | | | | | | | |
| HM 71 T4/T8 (A2:9) | | | | 1.135,20 | 1.172,30 | 1.221,70 | 1.345,10 | 1.419,10 | 1.579,60 | | | | | | | | | | | |
| HM 71 T4/T8 (A2:6) | | | | 1.110,90 | 1.148,00 | 1.197,30 | 1.320,80 | 1.394,80 | 1.555,20 | | | | | | | | | | | |
| HM 71 T4/T8 (A5:6) | | | | 1.121,40 | 1.158,40 | 1.207,80 | 1.331,20 | 1.405,30 | 1.565,70 | | | | | | | | | | | |
| HM 80 T4/T8 (A2:9) | | | | | 1.279,10 | 1.328,50 | 1.451,90 | 1.525,90 | 1.686,40 | 1.982,50 | 2.130,70 | | | | | | | | | |
| HM 80 T4/T8 (A2:6) | | | | | 1.254,70 | 1.304,00 | 1.427,50 | 1.501,50 | 1.661,90 | 1.958,10 | 2.106,20 | | | | | | | | | |
| HM 80 T4/T8 (A5:6) | | | | | 1.265,20 | 1.314,60 | 1.438,00 | 1.512,10 | 1.672,50 | | | | | | | | | | | |
| HM 90 T4/T8 (A6:6) | | | | | | | | 2.390,40 | 2.550,80 | 2.847,00 | 2.995,10 | 3.284,10 | 3.533,80 | | | | | | | |
| HM 90 T4/T8 (A6:3) | | | | | | | | 2.262,90 | 2.423,30 | 2.719,50 | 2.867,60 | 3.156,60 | 3.406,30 | | | | | | | |
| HM 100 T4/T8 (A6:6) | | | | | | | | | | 2.932,20 | 3.080,30 | 3.369,30 | 3.619,00 | 4.307,90 | 4.369,20 | | | | | |
| HM 100 T4/T8 (A6:3) | | | | | | | | | | 2.804,60 | 2.952,80 | 3.241,80 | 3.491,50 | 4.180,40 | 4.241,70 | | | | | |
| HM 112 T4/T8 (A6:6) | | | | | | | | | | 4.052,40 | 4.200,50 | 4.489,60 | 4.739,30 | 5.428,20 | 5.489,50 | 6.454,30 | 6.692,70 | 8.037,60 | | |
| HM 112 T4/T8 (A6:3) | | | | | | | | | | 3.924,80 | 4.072,90 | 4.362,00 | 4.611,70 | 5.300,60 | 5.361,80 | 6.326,60 | 6.565,10 | 7.909,90 | | |
| HM 125 T4/T8 (A7:8) | | | | | | | | | | | | 5.095,90 | 5.345,60 | 6.034,50 | 6.095,80 | 7.060,60 | 7.299,00 | 8.643,90 | 9.250,50 | |
| HM 125 T4/T8 (A7:4) | | | | | | | | | | | | 4.566,20 | 4.855,20 | 5.104,90 | 5.793,90 | 5.855,10 | 6.819,90 | 7.058,40 | 8.403,20 | 9.009,90 |

ALUMINIUM IMPELLER | HÉLICE DE ALUMINIO (HMA)
THREE PHASE RANGE 2 POLE | SERIE TRIFÁSICA 2 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | |
|-------------------|-----------------------|--------|--------|--------|----------|----------|----------|----------|----------|
| | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 |
| HMA 35 T2 (A0:6) | 577,50 | 575,60 | 593,30 | | | | | | |
| HMA 40 T2 (A0:6) | | 626,70 | 644,40 | | | | | | |
| HMA 45 T2 (A0:6) | | | | 773,20 | 812,70 | | | | |
| HMA 50 T2 (A9:4) | | | 848,60 | 910,40 | 949,80 | 1.065,90 | 1.135,90 | | |
| HMA 50 T2 (A9:8) | | | | 965,10 | 1.004,60 | 1.120,60 | 1.190,50 | | |
| HMA 56 T2 (A9:5) | | | | | 1.139,40 | 1.255,50 | 1.325,30 | 1.518,00 | 1.621,40 |
| HMA 56 T2 (A9:10) | | | | | | 1.343,00 | 1.412,90 | 1.605,50 | 1.708,90 |

THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | |
|------------------|-----------------------|--------|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,12 | 0,18 | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 |
| HMA 35 T4 (A0:6) | 479,40 | | | | | | | | | | | | | |
| HMA 40 T4 (A0:6) | | 523,70 | | | | | | | | | | | | |
| HMA 45 T4 (A0:6) | | | 603,00 | | | | | | | | | | | |
| HMA 45 T4 (A5:6) | | 708,30 | 735,90 | 741,10 | 757,00 | | | | | | | | | |
| HMA 50 T4 (A0:6) | | | | 713,50 | | | | | | | | | | |
| HMA 50 T4 (A5:6) | | | 841,50 | 846,40 | 862,60 | 867,10 | | | | | | | | |
| HMA 56 T4 (A2:9) | | | | 981,40 | 997,50 | 1.002,10 | 1.042,10 | 1.083,90 | 1.173,70 | | | | | |
| HMA 56 T4 (A2:6) | | | | 912,20 | 928,30 | 932,80 | 973,00 | 1.014,70 | 1.104,60 | | | | | |
| HMA 56 T4 (A5:6) | | | | 939,00 | 955,10 | 959,70 | 999,70 | 1.041,40 | 1.131,30 | | | | | |
| HMA 63 T4 (A2:9) | | | | 1.062,50 | 1.078,70 | 1.083,10 | 1.123,30 | 1.165,00 | 1.254,80 | 1.335,50 | | | | |
| HMA 63 T4 (A2:6) | | | | 993,40 | 1.009,30 | 1.013,90 | 1.054,00 | 1.095,80 | 1.185,60 | 1.266,10 | | | | |
| HMA 63 T4 (A5:6) | | | | 1.020,10 | 1.036,20 | 1.040,70 | 1.080,90 | 1.122,60 | 1.212,40 | 1.293,00 | | | | |
| HMA 71 T4 (A2:9) | | | | | | 1.193,10 | 1.233,20 | 1.274,90 | 1.364,80 | 1.445,40 | 1.564,40 | | | |
| HMA 71 T4 (A2:6) | | | | | | 1.123,80 | 1.164,00 | 1.205,70 | 1.295,50 | 1.376,00 | 1.495,30 | | | |
| HMA 71 T4 (A5:6) | | | | | | 1.150,60 | 1.190,80 | 1.232,50 | 1.322,30 | 1.402,90 | 1.522,00 | | | |
| HMA 80 T4 (A2:9) | | | | | | | 1.340,00 | 1.381,70 | 1.471,60 | 1.552,20 | 1.671,20 | 1.852,10 | 2.007,30 | 2.324,20 |
| HMA 80 T4 (A2:6) | | | | | | | 1.270,80 | 1.312,40 | 1.402,30 | 1.482,80 | 1.602,00 | 1.783,00 | 1.937,90 | 2.255,10 |
| HMA 80 T4 (A5:6) | | | | | | | 1.297,50 | 1.339,30 | 1.429,00 | 1.509,70 | 1.628,80 | | | |

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | |
|-------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| HMA 90 T4 (A6:6) | 2.504,40 | 2.623,50 | 2.804,40 | 2.959,60 | 3.276,50 | 3.449,10 | 3.644,50 | | | | | |
| HMA 90 T4 (A6:3) | 2.274,70 | 2.394,00 | 2.574,90 | 2.729,90 | 3.046,80 | 3.219,50 | 3.414,90 | | | | | |
| HMA 100 T4 (A6:6) | | | 2.889,60 | 3.044,80 | 3.361,70 | 3.534,30 | 3.729,70 | 4.162,40 | 4.301,80 | | | |
| HMA 100 T4 (A6:3) | | | 2.660,10 | 2.815,10 | 3.132,00 | 3.304,70 | 3.500,10 | 3.932,80 | 4.072,10 | | | |
| HMA 112 T4 (A6:6) | | | 4.009,90 | 4.164,90 | 4.481,90 | 4.654,50 | 4.849,90 | 5.282,60 | 5.422,10 | 6.190,30 | 6.888,30 | |
| HMA 112 T4 (A6:3) | | | 3.780,30 | 3.935,30 | 4.252,40 | 4.424,80 | 4.620,30 | 5.053,00 | 5.192,40 | 5.960,70 | 6.658,80 | |
| HMA 125 T4 (A7:8) | | | | | | 5.267,90 | 5.463,60 | 5.896,20 | 6.035,50 | 6.803,90 | 7.501,90 | 7.937,80 |
| HMA 125 T4 (A7:4) | | | | 4.472,40 | 4.789,40 | 4.961,90 | 5.157,30 | 5.590,00 | 5.729,30 | 6.497,70 | 7.195,70 | 7.631,70 |

THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|-------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,12 | 0,18 | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | |
| HMA 35 T6 (A0:6) | 544,40 | | | | | | | | | | | | | | | |
| HMA 40 T6 (A0:6) | 583,70 | | | | | | | | | | | | | | | |
| HMA 45 T6 (A0:6) | 635,30 | | | | | | | | | | | | | | | |
| HMA 45 T6 (A5:6) | 768,30 | | | | | | | | | | | | | | | |
| HMA 50 T6 (A0:6) | 740,70 | | | | | | | | | | | | | | | |
| HMA 50 T6 (A5:6) | 873,90 | 887,00 | 892,30 | | | | | | | | | | | | | |
| HMA 56 T6 (A2:9) | 1.008,80 | 1.022,00 | 1.027,20 | 1.040,50 | 1.029,60 | | | | | | | | | | | |
| HMA 56 T6 (A2:6) | 939,50 | 952,70 | 958,00 | 971,10 | 960,30 | | | | | | | | | | | |
| HMA 56 T6 (A5:6) | 966,30 | 979,50 | 984,80 | 997,90 | 987,20 | | | | | | | | | | | |
| HMA 63 T6 (A2:9) | | | | 1.121,50 | 1.110,70 | 1.133,90 | | | | | | | | | | |
| HMA 63 T6 (A2:6) | | | | 1.052,30 | 1.041,40 | 1.064,70 | | | | | | | | | | |
| HMA 63 T6 (A5:6) | | | | 1.079,10 | 1.068,20 | 1.091,40 | | | | | | | | | | |
| HMA 71 T6 (A2:9) | | | | 1.231,40 | 1.220,70 | 1.243,90 | 1.290,30 | | | | | | | | | |
| HMA 71 T6 (A2:6) | | | | 1.162,20 | 1.151,30 | 1.174,60 | 1.221,20 | | | | | | | | | |
| HMA 71 T6 (A5:6) | | | | 1.189,00 | 1.178,10 | 1.201,40 | 1.247,90 | | | | | | | | | |
| HMA 80 T6 (A2:9) | | | | 1.338,30 | 1.327,40 | 1.350,60 | 1.397,10 | 1.477,50 | 1.609,00 | | | | | | | |
| HMA 80 T6 (A2:6) | | | | 1.268,90 | 1.258,10 | 1.281,40 | 1.327,90 | 1.408,10 | 1.539,70 | | | | | | | |
| HMA 80 T6 (A5:6) | | | | 1.295,80 | 1.285,00 | 1.308,10 | 1.354,70 | 1.434,90 | 1.566,60 | | | | | | | |
| HMA 90 T6 (A6:6) | | | | | | 2.302,90 | 2.349,50 | 2.429,70 | 2.561,30 | 2.790,90 | 2.904,50 | | | | | |
| HMA 90 T6 (A6:3) | | | | | | 2.073,20 | 2.119,90 | 2.200,10 | 2.331,60 | 2.561,30 | 2.675,00 | | | | | |
| HMA 100 T6 (A6:6) | | | | | | | 2.434,60 | 2.514,90 | 2.646,50 | 2.876,10 | 2.989,70 | 3.150,40 | 3.372,50 | | | |
| HMA 100 T6 (A6:3) | | | | | | | 2.205,10 | 2.285,30 | 2.416,80 | 2.646,50 | 2.760,10 | 2.920,80 | 3.143,00 | | | |
| HMA 112 T6 (A6:6) | | | | | | | | 3.635,10 | 3.766,70 | 3.996,40 | 4.110,10 | 4.270,70 | 4.492,80 | 4.824,20 | | |
| HMA 112 T6 (A6:3) | | | | | | | | 3.405,50 | 3.537,00 | 3.766,80 | 3.880,40 | 4.041,10 | 4.263,30 | 4.594,60 | | |
| HMA 125 T6 (A7:8) | | | | | | | | | | 4.609,90 | 4.723,50 | 4.884,20 | 5.106,40 | 5.437,70 | 5.940,30 | |
| HMA 125 T6 (A7:4) | | | | | | | | | | 4.074,20 | 4.303,70 | 4.417,40 | 4.578,00 | 4.800,20 | 5.131,50 | 5.634,10 |

THREE PHASE RANGE 4/8 POLE | SERIE TRIFÁSICA 4/8 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | | | | | |
|----------------------|-----------------------|-----------|-----------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-------|--|
| | 0,25/0,03 | 0,33/0,04 | 0,55/0,09 | 0,75/0,19 | 1,1/0,18 | 1,5/0,25 | 2,2/0,37 | 3/0,55 | 4/0,75 | 5,5/1,1 | 7,5/1,5 | 11/2,8 | 15/3,5 | 17/4,3 | 20/5 | 28/6,5 | 35/8 | 37/9,2 | 44/11 | |
| HMA 35 T4/T8 (A0:6) | 534,00 | | | | | | | | | | | | | | | | | | | |
| HMA 40 T4/T8 (A0:6) | 573,30 | | | | | | | | | | | | | | | | | | | |
| HMA 45 T4/T8 (A0:6) | 624,90 | | | | | | | | | | | | | | | | | | | |
| HMA 45 T4/T8 (A5:6) | 757,90 | 763,30 | 803,70 | | | | | | | | | | | | | | | | | |
| HMA 50 T4/T8 (A0:6) | | 735,80 | | | | | | | | | | | | | | | | | | |
| HMA 50 T4/T8 (A5:6) | 863,30 | 868,80 | 909,20 | 943,80 | | | | | | | | | | | | | | | | |
| HMA 56 T4/T8 (A2:9) | 1.003,70 | 1.044,10 | 1.078,70 | 1.115,80 | 1.165,10 | 1.288,60 | | | | | | | | | | | | | | |
| HMA 56 T4/T8 (A2:6) | 934,50 | 974,90 | 1.009,50 | 1.046,50 | 1.095,90 | 1.219,30 | | | | | | | | | | | | | | |
| HMA 56 T4/T8 (A5:6) | 961,30 | 1.001,70 | 1.036,30 | 1.073,30 | 1.122,70 | 1.246,10 | | | | | | | | | | | | | | |
| HMA 63 T4/T8 (A2:9) | 1.084,90 | 1.125,30 | 1.159,90 | 1.196,90 | 1.246,30 | 1.369,70 | 1.443,80 | | | | | | | | | | | | | |
| HMA 63 T4/T8 (A2:6) | 1.015,70 | 1.056,00 | 1.090,60 | 1.127,70 | 1.177,00 | 1.300,50 | 1.374,50 | | | | | | | | | | | | | |
| HMA 63 T4/T8 (A5:6) | 1.042,50 | 1.082,90 | 1.117,40 | 1.154,50 | 1.203,90 | 1.327,30 | 1.401,30 | | | | | | | | | | | | | |
| HMA 71 T4/T8 (A2:9) | | 1.269,80 | 1.306,80 | 1.356,20 | 1.479,60 | 1.553,70 | 1.714,10 | | | | | | | | | | | | | |
| HMA 71 T4/T8 (A2:6) | | 1.200,50 | 1.237,60 | 1.287,00 | 1.410,40 | 1.484,40 | 1.644,90 | | | | | | | | | | | | | |
| HMA 71 T4/T8 (A5:6) | | 1.227,40 | 1.264,40 | 1.313,80 | 1.437,20 | 1.511,20 | 1.671,70 | | | | | | | | | | | | | |
| HMA 80 T4/T8 (A2:9) | | 1.413,60 | 1.463,00 | 1.586,40 | 1.660,50 | 1.820,90 | 2.117,10 | 2.265,20 | | | | | | | | | | | | |
| HMA 80 T4/T8 (A2:6) | | 1.344,30 | 1.393,70 | 1.517,10 | 1.591,10 | 1.751,60 | 2.047,70 | 2.195,90 | | | | | | | | | | | | |
| HMA 80 T4/T8 (A5:6) | | 1.371,10 | 1.420,50 | 1.543,90 | 1.618,00 | 1.778,40 | | | | | | | | | | | | | | |
| HMA 90 T4/T8 (A6:6) | | | | | | 2.612,70 | 2.773,10 | 3.069,30 | 3.217,40 | 3.506,40 | 3.756,10 | | | | | | | | | |
| HMA 90 T4/T8 (A6:3) | | | | | | 2.383,10 | 2.543,60 | 2.839,70 | 2.987,80 | 3.276,90 | 3.526,60 | | | | | | | | | |
| HMA 100 T4/T8 (A6:6) | | | | | | | | 3.154,50 | 3.302,60 | 3.591,60 | 3.841,30 | 4.530,20 | 4.591,50 | | | | | | | |
| HMA 100 T4/T8 (A6:3) | | | | | | | | 2.924,90 | 3.073,00 | 3.362,00 | 3.611,80 | 4.300,70 | 4.361,90 | | | | | | | |
| HMA 112 T4/T8 (A6:6) | | | | | | | | 4.274,80 | 4.422,90 | 4.711,90 | 4.961,60 | 5.650,50 | 5.711,80 | 6.676,60 | 6.915,00 | 8.259,90 | | | | |
| HMA 112 T4/T8 (A6:3) | | | | | | | | 4.045,10 | 4.193,20 | 4.482,20 | 4.731,90 | 5.420,90 | 5.482,10 | 6.446,90 | 6.685,40 | 8.030,20 | | | | |
| HMA 125 T4/T8 (A7:8) | | | | | | | | | | 5.325,40 | 5.575,10 | 6.264,10 | 6.325,30 | 7.290,10 | 7.528,60 | 8.873,40 | 9.480,10 | | | |
| HMA 125 T4/T8 (A7:4) | | | | | | | | | | 4.730,30 | 5.019,30 | 5.269,00 | 5.957,90 | 6.019,20 | 6.984,00 | 7.222,40 | 8.567,30 | 9.173,90 | | |

HM | HMA EVO EEC

Long cased variable pitch blades with EEC motor

Tubular camisa larga de pala variable con motor EEC



HM EVO EEC



HMA EVO EEC



MANUFACTURING FEATURES

- Long cased axial fan with reinforced body, with double flange, made of rolling steel sheet.
- Pad mounted motor support system with guide vanes.
- Protected against corrosion by powder coating of epoxy-polyester resin.
- Low sound level and high performance.
- Electronic high performance permanent magnet motor EEC Probat by Casals.
- PM brushless motor (permanent magnets), synchronous, electronically commutated, high efficiency and low sound level. Specially designed for fans with electronic operation and control in deprotected box IP65.
 - Working range: from 400 to 1200-2000rpm (depending on the models).
 - Motor with IP54 protection and class F insulation. IP 65 drive case.
 - Power: 220V \pm 10% single phase.
 - Power frequency: 50/60Hz.
 - Operating temperature range: -20°C to 50°C.
 - Speed control through signal 0-10V or PWM.
- 100% controllable thanks to the control. Controlled by high efficiency drive.
- HM EVO EEC: polyamide impeller with variable pitch angle (stopped and in origin) reinforced with fibreglass.
- HMA EVO EEC: cast aluminium impeller with variable pitch angle (stopped and in origin).

APPLICATIONS

- Designed for inline installation, they are suitable for:
- Air renewal in buildings and industries.
 - Smoke extraction.
 - Maximum working temperature 60°C.

UNDER REQUEST

- Casing in hot galvanized sheet or stainless steel.

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador con envolvente tubular reforzado de camisa larga, de doble brida, fabricada en chapa de acero laminado.
- Sistema soporte motor pad mounted de álabes directrices.
- Protegidos contra la corrosión mediante recubrimiento en polvo de resina epoxy-poliéster.
- Bajo nivel sonoro y altas prestaciones.
- Motor electrónico de imanes permanentes de alto rendimiento EEC Probat by Casals.
- Motor brushless PM (imanes permanentes), síncrono, conmutado electrónicamente, de alta eficiencia y bajo nivel sonora. Especialmente diseñado para ventiladores con electrónica de funcionamiento y control en caja deproteida IP 65.
 - Rango de trabajo: desde 400 hasta 1200-2000rpm (dependiendo de los modelos).
 - Motor con protección IP54 y aislamiento clase F. Caja del drive IP 65.
 - Alimentación: 220V \pm 10% monofásica.
 - Frecuencia de alimentación: 50/60Hz.
 - Rango de temperatura de funcionamiento: -20°C a 50°C.
- Control de velocidad a través de señal 0-10V o PWM.
- Regulabilidad al 100% gracias al control. Controlado mediante drive de alta eficiencia.
- HM EVO EEC Hélice de poliamida reforzada con fibra de vidrio de ángulo variable en paro y en origen.
- HMA EVO EEC: Hélice en fundición de aluminio de ángulo variable en paro y en origen.

APLICACIONES

- Diseñados para instalación en conducto, son indicados para:
- Renovación de aire en todo tipo de edificios e industrias.
 - Extracción de humos.
 - Temperatura máxima de trabajo en continuo 60°C.

BAJO DEMANDA

- Envolvente en chapa galvanizada en caliente o acero inoxidable.

ACCESSORIES | ACCESORIOS



REGC pg.431

Air flow controller for EEC motors.
Regulador de caudal para motores EEC.



INT pg.434

Safety switch.
Interruptor de corte.



RP pg.396

Inlet protection guard.
Rejilla de protección.



AC pg.411

Connexion flange.
Brida de conexión.



BA-400 pg.416

Anti-vibrating flange 400°/2h. flexible.
Brida antivibratoria 400°/2h.



PO pg.408

Optional support.
Pie opcional.



MC HB pg.415

Square mounting frame.
Marco soporte cuadrado.



SIL-C pg.426

Duct circular silencer.
Silenciador circular conducto.



BAD pg.416

Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



JE 45 pg.416

Flexible joint.
Junta elástica.

POLYAMIDE IMPELLER | HÉLICE DE POLIAMIDA (HM EVO EEC)
SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | R.P.M. | Rated I (A) 230V | Power kW | Air flow m ³ /h | Sound dB (A) | Angle pitch | Weight Kg | R.R.P. € Pol. |
|--------------|---------------|--------|--------------------|-------------|----------------------------|---------------|--------------|-----------|-----------------|
| Código | Modelo | R.P.M. | I nominal (A) 230V | Potencia kW | Q máx. m ³ /h | Sonido dB (A) | Ángulo incl. | Peso Kg | P.V.P. € Pol. |
| 276359040PEC | HM EVO 35 EEC | 2000 | 5 | 0,37 | 5.130 | 66 | 40 | 12 | 701,10 |
| 276409040PEC | HM EVO 40 EEC | 2000 | 6 | 0,75 | 7.000 | 71 | 40 | 19 | 847,10 |
| 276459040PEC | HM EVO 45 EEC | 2000 | 6 | 0,75 | 9.530 | 71 | 40 | 21 | 875,50 |
| 276509040PEC | HM EVO 50 EEC | 2000 | 10 | 1,5 | 12.200 | 73 | 40 | 29 | 1.081,00 |
| 276569540PEC | HM EVO 56 EEC | 1500 | 10 | 1,5 | 14.300 | 71 | 40 | 55 | 1.253,00 |
| 276639535PEC | HM EVO 63 EEC | 1500 | 10 | 1,5 | 17.500 | 71 | 35 | 64 | 1.311,10 |

ALUMINIUM IMPELLER | HÉLICE DE ALUMINIO (HMA EVO EEC)
SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | R.P.M. | Rated I (A) 230V | Power kW | Air flow m ³ /h | Sound dB (A) | Angle pitch | Weight Kg | R.R.P. € Al. |
|--------------|----------------|--------|--------------------|-------------|----------------------------|---------------|--------------|-----------|-----------------|
| Código | Modelo | R.P.M. | I nominal (A) 230V | Potencia kW | Q máx. m ³ /h | Sonido dB (A) | Ángulo incl. | Peso Kg | P.V.P. € Al. |
| 276359040AEC | HMA EVO 35 EEC | 2000 | 5 | 0,37 | 5.130 | 66 | 40 | 12 | 787,30 |
| 276409040AEC | HMA EVO 40 EEC | 2000 | 6 | 0,75 | 7.000 | 71 | 40 | 19 | 957,50 |
| 276459040AEC | HMA EVO 45 EEC | 2000 | 6 | 0,75 | 9.530 | 71 | 40 | 21 | 1.001,00 |
| 276509040AEC | HMA EVO 50 EEC | 2000 | 10 | 1,5 | 12.200 | 73 | 40 | 29 | 1.185,30 |
| 276569540AEC | HMA EVO 56 EEC | 1500 | 10 | 1,5 | 14.300 | 71 | 40 | 55 | 1.480,30 |
| 276639535AEC | HMA EVO 63 EEC | 1500 | 10 | 1,5 | 17.500 | 71 | 35 | 64 | 1.580,20 |

> EXTRACTOR REVERSIBLE DE GRAN CAUDAL Y SILENCIOSO PARA VENTANA O PARED <

> REVERSIBLE EXTRACTOR OF GREAT FLOW AND SILENT FOR WINDOW OR WALL <



KIT HI

Cased to portable conversion kit

Kit para conversión de tubular a portátil



MANUFACTURING FEATURES

Set consisting of:

- Protection grids on both sides, in compliance with the directive ROHS 2002/95/EC (Restriction of hazardous substances in electrical and electronic equipment) (RP).
- Tilt support for HM made of steel and protected against corrosion with epoxy-polyester resin powder (PS).
- Possibility of orienting the air jet in any position.
- Applicable to HM, HMA, HMF, HMX, HMFx.

CARACTERÍSTICAS CONSTRUCTIVAS

Conjunto compuesto por:

- Rejillas de protección en ambos lados, en cumplimiento a la directiva ROHS 2002/95/EC (Restricción de sustancias peligrosas en equipos eléctricos y electrónicos) (RP).
- Pie soporte inclinable para HM fabricado en acero y protegido contra la corrosión con polvo de resina epoxy- poliéster (PS).
- Posibilidad de orientar el chorro de aire en cualquier posición.
- Aplicable a HM, HMA, HMF, HMX, HMFx.

SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | Weight Kg | R.R.P € |
|--------|-----------|-----------|---------|
| Código | Modelo | Peso Kg | P.V.P € |
| KHI35 | KIT HI 35 | 8 | 233,50 |
| KHI40 | KIT HI 40 | 9 | 237,00 |
| KHI45 | KIT HI 45 | 11 | 248,60 |
| KHI56 | KIT HI 56 | 13 | 298,30 |
| KHI63 | KIT HI 63 | 15 | 386,80 |
| KHI71 | KIT HI 71 | 18 | 396,40 |



> **KUBALIK**
 > 150/ 230/ 300



HH

External motor, variable pitch blades

Motor externo, pala variable



MANUFACTURING FEATURES

- Long cased fan
- Belt driven ball bearings set inside a sealed box manufactured in steel or cast aluminium. Ball bearings permanently greased.
- Cast aluminium impeller with variable pitch angle in origin.
- Protected against corrosion by powder coating of epoxy-polyester resin.
- Standard asynchronous squirrel-cage motor with IP-55 protection and Class F insulation. Manufactured with standard voltages 230/400V 50Hz in three phase motors up to 4kW, and 400/690V 50Hz for higher powers.
- Inspection door for motor access and transmission set located on the lower part of the housing.

APPLICATIONS

Designed for inline installation, they are suitable for:

- Air renewal in buildings and industries.
- Maximum working temperature: carried air 110°C, environment 60°C.

UNDER REQUEST

- B form impeller (air flow from impeller to motor). 5% additional cost.
- 100% reversible impeller. 5% additional cost.
- Polyamide impeller.
- 2 speed motors.
- Hot-dipped galvanised or stainless steel housing.

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador envolvente tubular con chapa de acero laminado.
- Conjunto de rodamientos de la transmisión y poleas protegidos en alojamiento estanco construido en chapa de acero o fundición de aluminio. Rodamientos a bolas con engrase permanente.
- Hélice en fundición de aluminio de ángulo variable en origen.
- Protegidos contra la corrosión mediante recubrimiento en polvo de resina epoxy-poliéster.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Trampilla de inspección de acceso a hélice y rodamientos de la transmisión situada en la parte inferior del envolvente.

APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Renovación de aire en todo tipo de edificios e industrias.
- Temperatura máxima de trabajo en continuo: aire transportado 110°C, ambiente 60°C.

BAJO DEMANDA

- Hélice impelente (sentido de aire hélice-motor). Incremento 5% sobre PVP.
- Hélice reversible 100%. Incremento 5% sobre PVP.
- Hélice en poliamida.
- Motor 2 velocidades.
- Envolvente en chapa galvanizada en caliente o acero inoxidable.

ACCESSORIES | ACCESORIOS



INT pg.434
Safety switch.
Interruptor de corte.



JE 45 pg.416
Flexible joint.
Junta elástica.



RP pg.396
Inlet protection guard.
Rejilla de protección.



AC pg.411
Connexion flange.
Brida de conexión.



BA-400 pg.416
Anti-vibrating flange 400º/2h.
flexible.
Brida antivibratoria 400º/2h.



PO pg.408
Optional support.
Pie opcional.



MC HB pg.415
Square mounting frame.
Marco soporte cuadrado.



SIL-C pg.426
Duct circular silencer.
Silenciador circular conducto.



BAD pg.416
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



RI pg.398
Outlet guard.
Reja impulsión.



SFC pg.433
Frequency speed controller.
Variador de velocidad frecuencial.

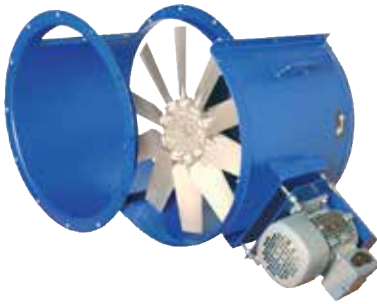
THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | Rated R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|-----------------|--------------|---------------|------|---------------|---------------|---------------|-----------|----------|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nom. | I nominal (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € |
| | | | 230V | 400V | | | | | |
| 264100106 | HH 35 T2 0,55kW | 2800 | 2,23 | 1,29 | 0,55 | 4.100 | 64 | 22 | 835,30 |
| 264310106 | HH 35 T4 0,12kW | 1400 | 0,8 | 0,46 | 0,12 | 3.150 | 49 | 20 | 800,30 |
| 264340120 | HH 45 T4 0,37kW | 1400 | 1,86 | 1,07 | 0,37 | 6.290 | 49 | 36 | 874,60 |
| 264380106 | HH 56 T4 0,55kW | 1400 | 2,57 | 1,49 | 0,55 | 8.680 | 57 | 36 | 1.002,20 |
| 264380120 | HH 56 T4 0,75kW | 1390 | 2,83 | 1,63 | 0,75 | 10.940 | 57 | 36 | 1.128,90 |
| 264390106 | HH 56 T4 1,1kW | 1400 | 4,33 | 2,49 | 1,1 | 12.040 | 56 | 39 | 1.183,90 |
| 264400106 | HH 63 T4 1,1kW | 1400 | 4,33 | 2,49 | 1,1 | 14.010 | 56 | 59 | 1.284,70 |
| 264420106 | HH 71 T4 1,1kW | 1400 | 4,33 | 2,49 | 1,1 | 15.970 | 70 | 74 | 1.346,80 |
| 264420120 | HH 71 T4 1,5kW | 1400 | 5,67 | 3,26 | 1,5 | 18.980 | 62 | 77 | 1.379,90 |
| 264440106 | HH 90 T4 3kW | 1430 | 10,7 | 6,17 | 3 | 29.940 | 77 | 113 | 2.808,90 |
| 264450106 | HH 90 T4 5,5kW | 1440 | - | 10,5 | 5,5 | 32.510 | 78 | 132 | 3.256,10 |

HHP

External motor, split casing for maintenance, variable pitch blades

Motor externo, carcasa partida para mantenimiento, pala variable



MANUFACTURING FEATURES

- Long cased fan.
- Transmission ball bearings set inside a sealed box manufactured in steel or cast aluminium. Ball bearings permanently greased.
- Cast aluminium impeller with variable pitch angle in origin.
- Protected against corrosion by powder coating epoxy resin.
- Standard asynchronous squirrel-cage motor with IP-55 protection and class F insulation. Standard voltages 230V 50Hz in single phase motors, 230/400V 50Hz in three phase motors up to 4kW, and 400/690V 50Hz for higher powers.
- Opening of the cover 180°, facilitating access to the entire transmission group optimizing cleaning and maintenance without disassembling the fan from the installation.

APPLICATIONS

Designed for inline installation, they are suitable for:

- Air renewal in buildings and industries.
- Hot air extraction up to 110°C.
- Maximum working temperature: carried air 110°C; environment: 60°C.

UNDER REQUEST

- B form impeller (air flow from impeller to motor). 5% additional cost.
- 100% reversible impeller. 5% additional cost.
- Polyamide impeller.
- Special voltages.
- 2 speed motors.

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador envolvente tubular.
- Conjunto de rodamientos de la transmisión y poleas protegidos en alojamiento estanco construido en chapa de acero o fundición de aluminio. Rodamientos a bolas con engrase permanente.
- Hélice en fundición de aluminio de ángulo variable en origen.
- Protegidos contra la corrosión mediante recubrimiento en polvo de resina epoxy.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230V 50Hz para motores monofásicos, 230/400V 50Hz para motores trifásicos hasta 4Kw y 400/690V 50Hz para potencias superiores.
- Apertura de la tapa envolvente 180°, facilitando así el acceso a todo el grupo de transmisión optimizando los trabajos de limpieza y mantenimiento sin tener que desmontar todo el ventilador de la instalación.

APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Renovación de aire en todo tipo de edificios e industrias.
- Extracción aire caliente hasta 110°C.
- Temperatura máxima de trabajo en continuo: aire transportado 110°C; ambiente 60°C.

BAJO DEMANDA

- Hélice impelente (sentido de aire hélice-motor). Incremento 5% sobre PVP
- Hélice reversible 100%. Incremento 5% sobre PVP
- Hélice en poliamida.
- Voltajes especiales.
- Motor 2 velocidades.

ACCESSORIES | ACCESORIOS



INT pg.434
Safety switch.
Interruptor de corte.



JE 45 pg.416
Flexible joint.
Junta elástica.



RP pg.396
Inlet protection guard.
Rejilla de protección.



AC pg.411
Connexion flange.
Brida de conexión.



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Anti-vibrating flange 400°/2h.
flexible.
Brida antivibratoria 400°/2h.



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Optional support.
Pie opcional.



MC HB pg.415
Square mounting frame.
Marco soporte cuadrado.



SIL-C pg.426
Duct circular silencer.
Silenciador circular conducto.



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Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



RI pg.398
Outlet guard.
Reja impulsión.



SFC pg.433
Frequency speed controller.
Variador de velocidad frecuencial.

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | Rated R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|------------------|----------------|---------------|------|---------------|---------------|---------------|-----------|----------|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nominal | I nominal (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € |
| | | | 230V | 400V | | | | | |
| 264340161 | HHP 45 T4 0,37kW | 1400 | 1,86 | 1,07 | 0,37 | 6.290 | 61 | 36 | 1.238,70 |
| 264380160 | HHP 56 T4 0,55kW | 1400 | 2,57 | 1,49 | 0,55 | 8.680 | 67 | 36 | 1.318,90 |
| 264380161 | HHP 56 T4 0,75kW | 1390 | 2,83 | 1,63 | 0,75 | 10.940 | 59 | 36 | 1.409,00 |
| 264390160 | HHP 56 T4 1,1kW | 1400 | 4,33 | 2,49 | 1,1 | 12.040 | 59 | 39 | 1.409,80 |
| 264400160 | HHP 63 T4 1,1kW | 1400 | 4,33 | 2,49 | 1,1 | 14.010 | 59 | 59 | 1.464,70 |
| 264420160 | HHP 71 T4 1,1kW | 1400 | 4,33 | 2,49 | 1,1 | 15.970 | 63 | 74 | 1.603,60 |
| 264420161 | HHP 71 T4 1,5kW | 1400 | 5,67 | 3,26 | 1,5 | 18.980 | 67 | 77 | 1.731,30 |
| 264440160 | HHP 90 T4 3kW | 1430 | 10,7 | 6,17 | 3 | 29.940 | 68 | 113 | 2.985,30 |
| 264450161 | HHP 90 T4 5,5kW | 1440 | - | 10,5 | 5,5 | 32.510 | 78 | 132 | 3.117,00 |



Air curtains

Cortinas de aire



COURSALIS E



COURSALIS

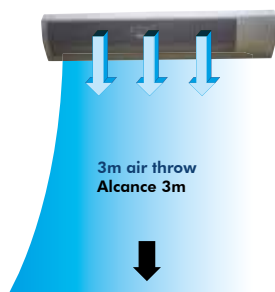
COURSALIS E

High performance air curtain for tertiary with heating

Cortina de aire de alto rendimiento para terciario con batería



Wireless remote control
Mando a distancia inalámbrico



MANUFACTURING FEATURES

- Exclusive arch design, light and superfine.
- High performance and low sound level.
- Metallic housing with metallic paint finish in grey colour
- 380V 50Hz motor.
- Equipped with electrical coil.
- Impeller made of plastic (AS + fiberglass).
- Includes external control by remote control.
- Designed for horizontal mural installation.
- With operating indicator LED (ambient or heating, air velocity and stop motion).
- Mounting brackets on wall.
- Reach up to 3m.
- The indicated weight does not include the packaging (± 2Kg).

APPLICATIONS

- Tertiary sector:
- Airports.
 - Schools
 - Malls
 - Stores
 - Supermarkets
 - Train stations
 - Hotels
 - Restaurants
 - Pubs
 - Offices
 - Banks
 - Gas stations
 - Logistics centers
 - Industries, food industries.
 - Hospitals, clinics, health centers
 - Veterinary clinics
 - Refrigerated warehouses

CARACTERÍSTICAS CONSTRUCTIVAS

- Exclusivo diseño en arco, ligero y superfino.
- Alto rendimiento y bajo nivel sonoro.
- Carcasa metálica con acabado con pintura metalizada de color gris.
- Motor 380V 50Hz.
- Equipada con batería eléctrica.
- Turbina de plástico (AS + fibra de vidrio).
- Incluye control externo mediante mando a distancia.
- Diseño para instalación mural en horizontal.
- Con led indicador de funcionamiento (modo ambiente o calefacción, velocidad del aire y paro-marcha).
- Soportes para montaje en pared.
- Alcance hasta 3m.
- El peso indicado no incluye el embalaje (±2Kg).

APLICACIONES

- Sector terciario:
- Aeropuertos
 - Escuelas
 - Centros comerciales
 - Tiendas
 - Supermercados
 - Estaciones de trenes
 - Hoteles
 - Restaurantes
 - Bares
 - Oficinas
 - Bancos
 - Gasolineras
 - Centros de logística
 - Industrias, industrias de alimentación
 - Hospitales, clínicas, centros de salud
 - Clínicas veterinarias
 - Almacenes frigoríficos

| Code | Model | R.P.M. | Rated I (A) 400V | Fan Rat. Pow. kW | Calorific pow.kW | Air flow m ³ /h | Sound dB (A) * | Weight Kg | R.R.P € |
|-----------|------------------|--------|--------------------|------------------|------------------|----------------------------|-----------------|-----------|---------|
| Código | Modelo | R.P.M | I nominal (A) 400V | P. Nom.vent. kW | Pot. cal. kW | Q máx. m ³ /h | Sonido dB (A) * | Peso Kg | P.V.P € |
| 509610000 | 1000 E | 1400 | 7,10 | 0,18 | 4,4 | 1.100 | 42 | 17,60 | 456,00 |
| 509615000 | 1500 E | 1400 | 9,20 | 0,22 | 5,5 | 1.800 | 43 | 24,70 | 577,10 |
| 509620000 | COURSALIS 2000 E | 1400 | 14,40 | 0,32 | 10 | 2.400 | 44 | 29,60 | 673,70 |

* NOTE: Total sound pressure level at the point of maximum flow measured in dB(A) in the suction measured in free field at a distance of 6m from the source

* NOTA: Nivel de presión sonora total en el punto de caudal máximo medido en dB(A) en la aspiración, medido en campo libre a una distancia de 6m de la fuente.

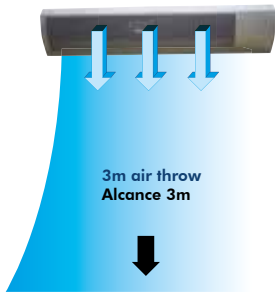
COURSALIS

High performance air curtain for tertiary

Cortina de aire de alto rendimiento para terciario



Wireless remote control
Mando a distancia inalámbrico



MANUFACTURING FEATURES

- Exclusive arch design, light and thin.
- High performance and low sound level.
- Metallic housing with metallic paint finish in grey colour.
- 230V 50Hz single phase motor.
- Impeller made of plastic (AS + fiberglass).
- Includes external control by remote control.
- Designed for horizontal mural installation.
- Easy adjustable air direction.
- With operating indicator LED (ambient, air speed and stop motion).
- Mounting brackets on wall.
- Reach up to 3m.
- The indicated weight does not include the packaging ($\pm 2\text{Kg}$).

APPLICATIONS

Tertiary sector:

- Airports
- Schools
- Malls
- Stores
- Supermarkets
- Train stations
- Hotels
- Restaurants
- Pubs
- Offices
- Banks
- Gas stations
- Logistics centers
- Industries, food industries
- Hospitals, clinics, health centers
- Veterinary clinics
- Refrigerated warehouses

CARACTERÍSTICAS CONSTRUCTIVAS

- Exclusivo diseño en arco, ligero y superfino.
 - Alto rendimiento y bajo nivel sonoro.
 - Carcasa metálica con acabado con pintura metalizada de color gris.
 - Motor 230V 50Hz monofásico.
 - Turbina de plástico (AS + fibra de vidrio).
 - Incluye control externo mediante mando a distancia.
 - Diseño para instalación mural en horizontal.
 - Dirección del aire ajustable fácilmente.
 - Con led indicador de funcionamiento (modo ambiente, velocidad del aire y paro-marcha).
 - Soportes para montaje en pared.
 - Alcance hasta 3m.
- El peso indicado no incluye el embalaje ($\pm 2\text{Kg}$).

APLICACIONES

Sector terciario:

- Aeropuertos
- Escuelas
- Centros comerciales
- Tiendas.
- Supermercados
- Estaciones de trenes
- Hoteles.
- Restaurantes
- Bares
- Oficinas
- Bancos
- Gasolineras
- Centros de logística
- Industrias, industrias de alimentación
- Hospitales, clínicas, centros de salud
- Clínicas veterinarias
- Almacenes frigoríficos

| Code | Model | RPM | Rated I.(A) 230V | Air speed m/s | Mount. height (m) | Fan Rat. Pow. kW | Air flow m ³ /h | Sound dB (A) * | Weight Kg | R.R.P € |
|---------------|----------------|------|--------------------|---------------|-------------------|------------------|----------------------------|-----------------|-----------|---------|
| Código | Modelo | RPM | I nominal (A) 230V | Vel. aire m/s | Alcance (m) | P.Nom. vent. kW | Q máx. m ³ /h | Sonido dB (A) * | Peso Kg | P.V.P € |
| 509610000M001 | COURSALIS 1000 | 1400 | 0,75 | 11 | 3 | 0,165 | 1.600 | 42 | 15,60 | 218,80 |
| 509615000M001 | COURSALIS 1500 | 1400 | 1,04 | 11 | 3 | 0,23 | 2.500 | 43 | 21,80 | 292,60 |
| 509620000M001 | COURSALIS 2000 | 1400 | 1,5 | 11 | 3 | 0,33 | 3.380 | 44 | 26,70 | 415,40 |

* NOTE: Total sound pressure level at the point of maximum flow measured in dB(A) in the suction measured in free field at a distance of 6m from the source

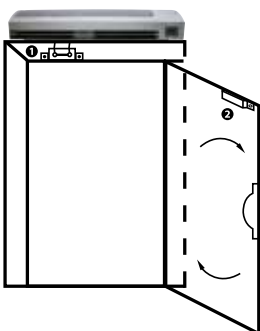
* NOTA: Nivel de presión sonora total en el punto de caudal máximo medido en dB(A) en la aspiración, medido en campo libre a una distancia de 6m de la fuente.

MDS

Magnetic contact door switch for Coursalis

Interruptor de presencia paso por puerta para Coursalis

COURSALIS



MANUFACTURING FEATURES

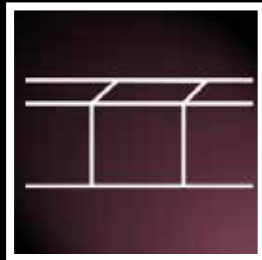
- Composed of two magnets (A for the door frame & B for the door). When the doors open the MDS detects it and gives an ON signal to the COURSALIS to start. When the door closes, the MDS automatically stops the air curtains, saving energy and reducing the sound level in the area.

CARACTERÍSTICAS CONSTRUCTIVAS

- Compuesto por dos imanes (A para el marco de la puerta y B para la puerta). Cuando las puertas se abren el MDS lo detecta enviando una señal de puesta en marcha a la COURSALIS. Cuando las puertas se cierran el MDS para automáticamente las cortinas de aire ahorrando así energía y reduciendo el nivel sonoro en el ambiente.

| Code | Model | R.R.P € |
|-----------|---------------|---------|
| Código | Modelo | P.V.P € |
| 301034300 | MDS Coursalis | 15,00 |

- ① MDS A (doorframe/marco puerta)
- ② MDS B (door/puerta)



Ducted fans

En conducto



HMR

HMRT

HMR
Long cased fan with backward impeller
Ventilador tubular con turbina a reacción

MANUFACTURING FEATURES

- Reinforced fan casing manufactured in rolling steel sheet.
- Protected against corrosion by powder coating of epoxy-polyester resin.
- Inspection cover for motor access to facilitate connections and maintenance.
- High efficiency self-cleaning backward impeller made of steel sheet statically and dynamically balanced in origin.
- Standard asynchronous squirrel-cage motor with IP-55 protection and Class F insulation. Standard voltages 230/400V 50Hz.
- Maximum continuous working temperature 60°C.

APPLICATIONS

Designed for inline installation, they are suitable for:

- Air renewal in buildings and industries.
- Smoke extraction.

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador con envolvente tubular fabricado en chapa de acero laminado.
- Protegido de la corrosión mediante recubrimiento de polvo de resina epoxy-poliéster.
- Trampilla de acceso al motor para facilitar las conexiones y mantenimiento.
- Turbina autolimpiante de álabes hacia atrás (a reacción) de alta eficiencia en chapa de acero equilibrada estática y dinámicamente en origen.
- Motor acoplamiento directo, asíncrono, normalizado de jaula de ardilla con protección IP 55 y aislamiento clase F. Voltajes estándar 230/400V 50Hz.
- Temperatura máxima de trabajo en continuo 60°C.

APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Renovación de aire en todo tipo de edificios e industrias.
- Extracción de humos.

ACCESSORIES | ACCESORIOS

SFC pg.433

Speed controller for single phase motors.
Regulador de velocidad monofásico.


INT pg.434

Safety switch.
Interruptor de corte.


RP pg.396

Inlet protection guard.
Rejilla de protección.


AC pg.411

Connexion flange.
Brida de conexión.


BA-400 pg.416

Anti-vibrating flange 400º/2h.
flexible.
Brida antivibratoria 400º/2h.


JE 45 pg.416

Flexible joint.
Junta elástica.


BAD pg.416

Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.


SIL-C pg.426

Duct circular silencer.
Silenciador circular conducto.


PO pg.408

Optional support.
Pie opcional.

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | Rated R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|-------------------|----------------|---------------|------|---------------|---------------|---------------|-----------|-----------------|
| | | | 230V | 400V | | | | | |
| Código | Modelo | R.P.M. nominal | I nominal (A) | | Potencia kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € |
| | | | 230V | 400V | | | | | |
| 261310620 | HMR 315 T2 1,1kW | 2800 | 4,05 | 2,33 | 1,1 | 4.400 | 53 | 64 | 780,70 |
| 261350620 | HMR 355 T2 2,2kW | 2800 | 7,97 | 4,58 | 2,2 | 6.740 | 56 | 73 | 920,00 |
| 261310640 | HMR 315 T4 0,25kW | 1400 | 1,38 | 0,79 | 0,25 | 2.220 | 48 | 60 | 743,70 |
| 261350640 | HMR 355 T4 0,55kW | 1400 | 2,57 | 1,49 | 0,55 | 3.400 | 51 | 68 | 875,40 |
| 261400640 | HMR 400 T4 0,75kW | 1390 | 2,83 | 1,63 | 0,75 | 5.040 | 54 | 84 | 1.018,70 |
| 261450640 | HMR 450 T4 1,1kW | 1400 | 4,33 | 2,49 | 1,1 | 6.940 | 57 | 120 | 1.144,80 |
| 261500640 | HMR 500 T4 1,5kW | 1400 | 5,67 | 3,26 | 1,5 | 9.520 | 60 | 153 | 1.605,60 |
| 261560640 | HMR 560 T4 3kW | 1430 | 10,7 | 6,17 | 3 | 12.450 | 64 | 194 | 2.089,60 |
| 261630640 | HMR 630 T4 4kW | 1440 | 14,5 | 8,32 | 4 | 17.900 | 65 | 246 | 3.936,50 |
| 261710660 | HMR 710 T6 2,2kW | 940 | 10,3 | 5,94 | 2,2 | 18.060 | 64 | 303 | 4.651,80 |
| 261800660 | HMR 800 T6 4kW | 960 | 16,5 | 9,46 | 4 | 24.140 | 68 | 363 | 6.007,90 |

HMRT

Belt driven long cased fan with backward impeller
Ventilador tubular a transmisión con turbina a reacción



MANUFACTURING FEATURES

- Reinforced fan casing manufactured in rolling steel sheet.
- Protected against corrosion by powder coating of epoxy-polyester resin.
- Inspection cover for motor access to facilitate connections and maintenance.
- High efficiency self-cleaning backward impeller made of steel sheet statically and dynamically balanced in origin.
- Motor with high efficiency, maintenance-free belts.
- Standard asynchronous squirrel-cage motor with IP-55 protection and Class F insulation. Standard voltages 230/400V 50Hz.

APPLICATIONS

- Designed for inline installation, they are suitable for:
- Air renewal in buildings and industries.
 - Smoke extraction.
 - Maximum working temperature 110°C.

This is a belt driven range, each model can be manufactured at different rpm, in case of order should be indicated the desired rpm for the correct operation of the unit and according to the needs.

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador con envolvente tubular fabricado en chapa de acero laminado.
- Protegido de la corrosión mediante recubrimiento de polvo de resina epoxy-poliéster.
- Trampilla de acceso al motor para facilitar las conexiones y mantenimiento.
- Turbina a reacción de alta eficiencia con sistema autolimpiante en chapa de acero equilibrada estática y dinámicamente en origen.
- Motor a transmisión con correas de alta eficiencia que no requieren mantenimiento.
- Motor asíncrono, normalizado de jaula de ardilla con protección IP 55 y aislamiento clase F. Voltajes estándar 230/400V 50Hz para potencias hasta 4 kW y 400/690 50Hz para potencias superiores.

APLICACIONES

- Diseñados para instalación en conducto, son indicados para:
- Renovación de aire de todo tipo de edificios e industrias.
 - Extracción de humos.
 - Temperatura máxima de trabajo en continuo 110°C.
 - Almacenes frigoríficos

Esta gama es a transmisión, cada modelo se puede fabricar a distintas rpm, en caso de pedido se debe indicar las rpm a las que desea el equipo para que el modelo quede correctamente definido y sea adecuado a sus necesidades.

ACCESSORIES | ACCESORIOS



SFC pg.433
Speed controller for single phase motors. Regulador de velocidad monofásico.



INT pg.434
Safety switch. Interruptor de corte.



RP pg.396
Inlet protection guard. Rejilla de protección.



AC pg.411
Connexion flange. Brida de conexión.



BA-400 pg.416
Anti-vibrating flange 400%/2h. flexible. Brida antivibratoria 400%/2h.



JE 45 pg.416
Flexible joint. Junta elástica.



BAD pg.416
Circular-Circular coupling flange. Brida de acoplamiento circular-circular.



SIL-C pg.426
Duct circular silencer. Silenciador circular conducto.



PO pg.408
Optional support. Pie opcional.

THREE PHASE RANGE | SERIE TRIFÁSICA

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | |
|-----------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--|
| | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | |
| HMRT 400 | 1.885,80 | 1.890,70 | 1.906,90 | 1.911,40 | | | | | | | | |
| HMRT 450 | 2.099,40 | 2.104,40 | 2.120,40 | 2.125,00 | 2.165,00 | 2.206,80 | | | | | | |
| HMRT 500 | | 2.675,10 | 2.691,00 | 2.695,70 | 2.735,70 | 2.777,50 | 2.867,30 | 2.947,90 | | | | |
| HMRT 560 | | 3.037,50 | 3.053,60 | 3.058,20 | 3.098,30 | 3.140,00 | 3.229,80 | 3.310,40 | 3.429,60 | | | |
| HMRT 630 | | | 3.207,70 | 3.212,10 | 3.252,30 | 3.294,00 | 3.383,80 | 3.464,50 | 3.583,50 | 3.764,40 | | |
| HMRT 710 | | | | | 3.595,40 | 3.637,10 | 3.726,90 | 3.807,50 | 3.926,70 | 4.107,60 | 4.262,60 | |



Jet fans

Ventiladores de impulso



JF CONFORT

JF 400

JF F300

JFC CONFORT

JFC F400

JFC F300

SYBILO CONFORT

SYBILO F400

SYBILO F300

JF

Jet fan

Ventilador de impulso (jet fan)



MANUFACTURING FEATURES

JF models are composed of an axial fan and two silencers.

FAN:

- Axial fan with galvanised steel casing. Connection box accessible from the side by a removable door.
- Standard asynchronous squirrel-cage motor with IP-55 protection and Class H insulation, certified 400°C/2h. Standard voltages 230/400V 50Hz for single speed motors and 400V 50Hz for 2 speed motors.

SILENCERS:

- Casing made of galvanised steel. Inner duct made of perforated galvanised steel sheet.
- Silencers filled with mineral wool of high acoustic absorption properties, preventing most of the fan noise to be propagated.
- JF UN (unidirectional) is equipped with a protection guard at the inlet side and a deflector at the outlet. The deflector directs air away from the ceiling or other obstructions such as beams or ducts sweeping the entire volume of air to the nearest extraction point.
- JF RE (reversible) is equipped with protection guards on both sides.

APPLICATIONS

- Conceived for car park and large spaces where polluted air or smoke from an accidental fire needs to be removed effectively.
- An optimized design minimizes the height needed for their installation and assures a silent operation.
- Maximum continuous working temperature: 60°C.

CARACTERÍSTICAS CONSTRUCTIVAS

Los JF se componen de un ventilador axial y dos silenciadores.

VENTILADOR:

- Ventilador axial con revestimiento de acero galvanizado. La caja de conexiones es accesible lateralmente mediante una puerta extraíble.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase H, certificado 400°C/2h (disponible también en versión confort). Voltajes estándar 230/400V 50Hz para motores de una velocidad y 400V 50Hz para motores de 2 velocidades.

SILENCIADORES:

- Revestimiento de acero galvanizado. Tubo interior de chapa de acero galvanizado perforado.
- Tienen en su interior lana mineral con altas propiedades de absorción acústica que previene la propagación de la mayor parte del ruido del ventilador.
- JF UN (unidireccionales): equipados con rejilla de protección en la boca de aspiración y un deflector en la de salida. El deflector aleja el aire del techo u otros obstáculos como vigas o conductos barriendo todo el volumen de aire al punto de extracción más cercano.
- JF RE (reversibles): equipados con rejillas de protección en ambos lados.

APLICACIONES

- Concebidos para aparcamientos de coches y espacios amplios donde se requiera eliminar de forma efectiva aire contaminado o humo de un fuego fortuito.
- Su diseño optimizado reduce la altura necesaria para su instalación y asegura un funcionamiento silencioso.
- Temperatura máxima de trabajo en continuo: 60°C.

ACCESSORIES | ACCESORIOS



SFC pg.433

Speed controller for single phase motors.
Regulador de velocidad monofásico.



INT pg.434

Safety switch.
Interruptor de corte.



INT 400 pg.434

Connexion flange.
Brida de conexión.

JF CONFORT

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | Rated R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Thrust (N) | Speed (m/s) | Weight Kg | R.R.P. € |
|-------------|----------------------|--------------|-------------|------|---------------|---------------|------------|----------------|-----------|----------|
| | | | 230V | 400V | | | | | | |
| Código | Modelo | R.P.M. | I. Nom.(A) | | P.Nom. kW | Q máx. m³/h | Empuje (N) | Vel. Imp (m/s) | Peso Kg | P.V.P. € |
| | | | 230V | 400V | | | | | | |
| 274300196ST | JF 300 T2 UN CONFORT | 2780 | 2,36 | 1,36 | 0,55 | 4.490 | 26 | 17,07 | 60 | 2.117,70 |
| 274400196ST | JF 400 T2 UN CONFORT | 2860 | 4,14 | 2,39 | 1,1 | 8.460 | 52 | 18,42 | 70 | 2.721,60 |

THREE PHASE RANGE 2 SPEEDS | SERIE TRIFÁSICA 2 VELOCIDADES

| Code | Model | R.P.M. | Rated I (A) 400V | | Rat. Pow. kW | Air flow m³/h | Thrust (N) | Speed (m/s) | Weight Kg | R.R.P. € |
|-------------|-------------------------|-----------|------------------|-----------|--------------|---------------|------------|----------------|-----------|----------|
| | | | I. Nom.(A) 400V | P.Nom. kW | | | | | | |
| Código | Modelo | R.P.M. | I. Nom.(A) 400V | | P.Nom. kW | Q máx. m³/h | Empuje (N) | Vel. Imp (m/s) | Peso Kg | P.V.P. € |
| | | | 230V | 400V | | | | | | |
| 274300296ST | JF 300 T2/T4 UN CONFORT | 2850/1430 | 1,47/0,45 | 0,55/0,12 | 4.490/2.245 | 26/13 | 17,07/8,54 | 60 | 2.199,80 | |
| 274400296ST | JF 400 T2/T4 UN CONFORT | 2850/1450 | 2,36/0,59 | 1,1/0,18 | 8.460/4.230 | 52/26 | 18,42/9,21 | 70 | 3.033,60 | |

JF F300 300°C/2H

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Thrust (N) | Speed (m/s) | Weight Kg | R.R.P € |
|-------------|-------------------|--------|-------------|------|---------------|---------------|------------|----------------|-----------|-----------------|
| | | | 230V | 400V | | | | | | |
| Código | Modelo | R.P.M. | I. Nom. (A) | | P. Nom. kW | Q máx. m³/h | Empuje (N) | Vel. Imp (m/s) | Peso Kg | PVP € |
| | | | 230V | 400V | | | | | | |
| 274300196F3 | JF 300 T2 UN F300 | 2780 | 2,36 | 1,36 | 0,55 | 4.490 | 26 | 17,07 | 60 | 2.640,90 |
| 274301196F3 | JF 300 T2 RE F300 | 2780 | 2,36 | 1,36 | 0,55 | 4.360 | 24 | 16,58 | 60 | 2.742,50 |
| 274400196F3 | JF 400 T2 UN F300 | 2860 | 4,14 | 2,39 | 1,10 | 8.460 | 52 | 18,42 | 70 | 2.871,80 |
| 274401196F3 | JF 400 T2 RE F300 | 2860 | 4,14 | 2,39 | 1,10 | 8.160 | 48 | 17,77 | 70 | 3.070,60 |

THREE PHASE RANGE 2 SPEEDS | SERIE TRIFÁSICA 2 VELOCIDADES

| Code | Model | R.P.M. | Rated I (A) 400V | | Rat. Pow. kW | Air flow m³/h | Thrust (N) | Speed (m/s) | Weight Kg | R.R.P € |
|-------------|----------------------|-----------|------------------|-----------|--------------|---------------|------------|----------------|-----------------|---------|
| | | | 230V | 400V | | | | | | |
| Código | Modelo | R.P.M. | I. Nom. (A) 400V | | P. Nom. kW | Q máx. m³/h | Empuje (N) | Vel. Imp (m/s) | Peso Kg | PVP € |
| | | | 230V | 400V | | | | | | |
| 274300296F3 | JF 300 T2/T4 UN F300 | 2850/1430 | 1,47/0,45 | 0,55/0,12 | 4.490/2.245 | 26/13 | 17,07/8,54 | 60 | 2.712,70 | |
| 274301296F3 | JF 300 T2/T4 RE F300 | 2850/1430 | 1,47/0,45 | 0,55/0,12 | 4.360/2.180 | 24/12 | 16,58/8,29 | 60 | 2.907,00 | |
| 274400296F3 | JF 400 T2/T4 UN F300 | 2850/1450 | 2,36/0,59 | 1,1/0,18 | 8.460/4.230 | 52/26 | 18,42/9,21 | 70 | 3.144,70 | |
| 274401296F3 | JF 400 T2/T4 RE F300 | 2850/1450 | 2,36/0,59 | 1,1/0,18 | 8.160/4.080 | 48/24 | 17,77/8,89 | 70 | 3.278,70 | |

JF F400 400°C/2H

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Thrust (N) | Speed (m/s) | Weight Kg | R.R.P € |
|-----------|-------------------|--------|-------------|------|---------------|---------------|------------|----------------|-----------|-----------------|
| | | | 230V | 400V | | | | | | |
| Código | Modelo | R.P.M. | I. Nom. (A) | | P. Nom. kW | Q máx. m³/h | Empuje (N) | Vel. Imp (m/s) | Peso Kg | PVP € |
| | | | 230V | 400V | | | | | | |
| 274300196 | JF 300 T2 UN F400 | 2780 | 2,36 | 1,36 | 0,55 | 4.280 | 23 | 16,27 | 60 | 2.918,20 |
| 274301196 | JF 300 T2 RE F400 | 2780 | 2,36 | 1,36 | 0,55 | 4.140 | 22 | 15,74 | 60 | 3.034,20 |
| 274400196 | JF 400 T2 UN F400 | 2860 | 4,14 | 2,39 | 1,10 | 8.050 | 47 | 17,53 | 70 | 3.500,30 |
| 274401196 | JF 400 T2 RE F400 | 2860 | 4,14 | 2,39 | 1,10 | 7.740 | 43 | 16,86 | 70 | 3.727,60 |

THREE PHASE RANGE 2 SPEEDS | SERIE TRIFÁSICA 2 VELOCIDADES

| Code | Model | R.P.M. | Rated I (A) 400V | | Rat. Pow. kW | Air flow m³/h | Thrust (N) | Speed (m/s) | Weight Kg | R.R.P € |
|-----------|----------------------|-----------|------------------|-----------|--------------|---------------|------------|----------------|-----------------|---------|
| | | | 230V | 400V | | | | | | |
| Código | Modelo | R.P.M. | I. Nom. (A) 400V | | P. Nom. kW | Q máx. m³/h | Empuje (N) | Vel. Imp (m/s) | Peso Kg | PVP € |
| | | | 230V | 400V | | | | | | |
| 274300296 | JF 300 T2/T4 UN F400 | 2850/1430 | 1,47/0,45 | 0,55/0,12 | 4.280/2.140 | 23/11,5 | 16,27/8,14 | 60 | 3.000,40 | |
| 274301296 | JF 300 T2/T4 RE F400 | 2850/1430 | 1,47/0,45 | 0,55/0,12 | 4.140/2.070 | 22/11 | 15,74/7,87 | 60 | 3.222,30 | |
| 274400296 | JF 400 T2/T4 UN F400 | 2850/1450 | 2,36/0,59 | 1,1/0,18 | 8.050/4.025 | 47/23,5 | 17,53/8,77 | 70 | 3.812,30 | |
| 274401296 | JF 400 T2/T4 RE F400 | 2850/1450 | 2,36/0,59 | 1,1/0,18 | 7.740/3.870 | 43/21,5 | 16,86/8,43 | 70 | 3.965,10 | |

Put a Storm in every industrial application
 Un Storm para cada aplicación industrial

JFC

Jet fan

Ventilador de impulso circular (jet fan)



MANUFACTURING FEATURES

JF models are composed of an axial fan and two silencers.

FAN:

- Axial fan with galvanised steel casing. Connection box accessible from the side by a removable door.
- Standard asynchronous squirrel-cage motor with IP-55 protection and Class H insulation, certified 400°C/2h. Standard voltages 230/400V 50Hz for single speed motors and 400V 50Hz for 2 speed motors.

SILENCERS:

- Casing made of galvanised steel. Inner duct made of perforated galvanised steel sheet.
- Silencers filled with mineral wool of high acoustic absorption properties, preventing most of the fan noise to be propagated.
- JF UN (unidirectional) is equipped with a protection guard at the inlet side and a deflector at the outlet. The deflector directs air away from the ceiling or other obstructions such as beams or ducts sweeping the entire volume of air to the nearest extraction point.
- JF RE (reversible) is equipped with protection guards on both sides.

APPLICATIONS

- Conceived for car park and large spaces where polluted air or smoke from an accidental fire needs to be removed effectively.
- An optimized design minimizes the height needed for their installation and assures a silent operation.
- Maximum continuous working temperature: 60°C.

CARACTERÍSTICAS CONSTRUCTIVAS

Los JFC se componen de un ventilador helicoidal y dos silenciadores.

VENTILADOR:

Ventilador con envoltorio tubular reforzado, fabricada en chapa de acero laminado. La caja de conexiones es accesible lateralmente.

- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase H, certificado 400°C/2h (disponible también en versión confort). Voltajes estándar 230/400V 50Hz para motores de una velocidad y 400V 50Hz para motores de 2 velocidades.

SILENCIADORES CILÍNDRICOS:

- Revestimiento de acero galvanizado. Tubo interior de chapa de acero galvanizado perforado.
- Tienen en su interior lana mineral con altas propiedades de absorción acústica que previene la propagación de la mayor parte del ruido del ventilador.
- JFC UN (unidireccionales): equipados con rejilla de protección en la boca de aspiración y un deflector en la de salida. El deflector aleja el aire del techo u otros obstáculos como vigas o conductos barriendo todo el volumen de aire al punto de extracción más cercano.
- JFC RE (reversibles): equipados con rejillas de protección en ambos lados.

APLICACIONES

- Concebidos para aparcamientos de coches y espacios amplios donde se requiera eliminar de forma efectiva aire contaminado o humo de un fuego fortuito.
- Su diseño optimizado reduce la altura necesaria para su instalación y asegura un funcionamiento silencioso.
- Temperatura máxima de trabajo en continuo: 60°C.

ACCESSORIES | ACCESORIOS



SFC pg.433

Speed controller for single phase motors.
Regulador de velocidad monofásico.



INT pg.434

Safety switch.
Interruptor de corte.



INT 400 pg.434

Connexion flange.
Brida de connexion.

JFC CONFORT

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Thrust (N) | Speed (m/s) | Weight Kg | R.R.P. € |
|-------------|--------------------|--------|-------------|------|---------------|---------------|------------|----------------|-----------|----------|
| | | | 230V | 400V | | | | | | |
| Código | Modelo | R.P.M. | I. Nom. (A) | | P. Nom. kW | Q máx. m³/h | Empuje (N) | Vel. Imp (m/s) | Peso Kg | P.V.P. € |
| | | | 230V | 400V | | | | | | |
| 274300198ST | JFC 315 T2 UN | 2780 | 2,36 | 1,36 | 0,55 | 4.490 | 25 | 17,07 | 91 | 1.393,60 |
| 274310198ST | JFC 315/H T2/T4 UN | 2860 | 4,14 | 2,39 | 1,10 | 5.420 | 37 | 20,61 | 93 | 1.521,50 |
| 274350198ST | JFC 355 T2 UN | 2780 | 2,36 | 1,36 | 0,55 | 5.230 | 24 | 13,88 | 99 | 1.701,90 |
| 274360198ST | JFC 355/H T2 UN | 2860 | 4,14 | 2,39 | 1,10 | 6.900 | 42 | 18,32 | 101 | 1.829,80 |
| 274400198ST | JFC 400 T2 UN | 2860 | 4,14 | 2,39 | 1,10 | 8.460 | 52 | 18,42 | 121 | 2.092,70 |
| 274410198ST | JFC 400/H T2 UN | 2860 | 5,83 | 3,14 | 1,50 | 9.320 | 63 | 20,30 | 128 | 2.166,20 |

THREE PHASE RANGE 2 SPEEDS | SERIE TRIFÁSICA 2 VELOCIDADES

| Code | Model | R.P.M. | Rated I (A) 400V | | Rat. Pow. kW | Air flow m³/h | Thrust (N) | Speed (m/s) | Weight Kg | R.R.P. € |
|-------------|--------------------|-----------|------------------|------------|--------------|---------------|------------|----------------|-----------|----------|
| | | | I. Nom. (A) 400V | P. Nom. kW | | | | | | |
| Código | Modelo | R.P.M. | I. Nom. (A) 400V | | P. Nom. kW | Q máx. m³/h | Empuje (N) | Vel. Imp (m/s) | Peso Kg | P.V.P. € |
| | | | I. Nom. (A) 400V | P. Nom. kW | | | | | | |
| 274300298ST | JFC 315 T2/T4 UN | 2850/1430 | 1,47/0,45 | 0,55/0,12 | 4.490/2.245 | 25/12,5 | 17,07/8,54 | 91 | 1.451,00 | |
| 274310298ST | JFC 315/H T2/T4 UN | 2850/1450 | 2,36/0,59 | 1,1/0,18 | 5.420/2.710 | 37/18,5 | 20,61/10,3 | 93 | 1.714,50 | |
| 274350298ST | JFC 355 T2/T4 UN | 2850/1430 | 1,47/0,45 | 0,55/0,12 | 5.230/2.615 | 24/12 | 13,88/6,94 | 99 | 1.668,10 | |
| 274360298ST | JFC 355/H T2/T4 UN | 2850/1450 | 2,36/0,59 | 1,1/0,18 | 6.900/3.450 | 42/21 | 18,32/9,16 | 101 | 1.931,90 | |
| 274400298ST | JFC 400 T2/T4 UN | 2850/1450 | 2,36/0,59 | 1,1/0,18 | 8.460/4.230 | 52/26 | 18,42/9,21 | 121 | 2.241,40 | |
| 274410298ST | JFC 400/H T2/T4 UN | 2850/1450 | 3,54/1,54 | 1,5/0,37 | 9.320/4.660 | 63/31,5 | 20,3/10,15 | 128 | 2.480,90 | |

JFC F300 300°C/2H

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Thrust (N) | Speed (m/s) | Weight Kg | R.R.P € |
|-------------|----------------------|--------|-------------|------|---------------|---------------|------------|----------------|-----------|----------|
| | | | 230V | 400V | | | | | | |
| Código | Modelo | R.P.M. | I. Nom. (A) | | P Nom. kW | Q máx. m³/h | Empuje (N) | Vel. Imp (m/s) | Peso Kg | PVP € |
| | | | 230V | 400V | | | | | | |
| 274300198F3 | JFC 315 T2 UN F300 | 2780 | 2,36 | 1,36 | 0,55 | 4.490 | 25 | 17,07 | 91 | 1.896,40 |
| 274301198F3 | JFC 315 T2 RE F300 | 2780 | 2,36 | 1,36 | 0,55 | 4.360 | 24 | 16,58 | 95 | 1.925,60 |
| 274311198F3 | JFC 315/H T2 RE F300 | 2860 | 4,14 | 2,39 | 1,10 | 4.740 | 28 | 18,02 | 97 | 1.997,60 |
| 274310198F3 | JFC 315/H T2 UN F300 | 2860 | 4,14 | 2,39 | 1,10 | 5.420 | 37 | 20,61 | 93 | 1.939,20 |
| 274350198F3 | JFC 355 T2 UN F300 | 2780 | 2,36 | 1,36 | 0,55 | 5.230 | 24 | 13,88 | 99 | 2.175,90 |
| 274351198F3 | JFC 355 T2 RE F300 | 2780 | 2,36 | 1,36 | 0,55 | 5.500 | 27 | 14,60 | 101 | 2.205,30 |
| 274360198F3 | JFC 355/H T2 UN F300 | 2860 | 4,14 | 2,39 | 1,10 | 6.900 | 42 | 18,32 | 101 | 2.210,70 |
| 274361198F3 | JFC 355/H T2 RE F300 | 2860 | 4,14 | 2,39 | 1,10 | 6.820 | 71 | 18,11 | 103 | 2.222,20 |
| 274400198F3 | JFC 400 T2 UN F300 | 2860 | 4,14 | 2,39 | 1,10 | 8.460 | 52 | 18,42 | 121 | 2.263,80 |
| 274401198F3 | JFC 400 T2 RE F300 | 2860 | 4,14 | 2,39 | 1,10 | 8.160 | 48 | 17,77 | 125 | 2.292,90 |
| 274410198F3 | JFC 400/H T2 UN F300 | 2860 | 5,83 | 3,14 | 1,50 | 9.320 | 63 | 20,30 | 128 | 2.475,30 |
| 274411198F3 | JFC 400/H T2 RE F300 | 2860 | 5,83 | 3,14 | 1,50 | 9.190 | 61 | 20,01 | 128 | 2.504,40 |

THREE PHASE RANGE 2 SPEEDS | SERIE TRIFÁSICA 2 VELOCIDADES

| Code | Model | R.P.M. | Rated I (A) 400V | Rat. Pow. kW | Air flow m³/h | Thrust (N) | Speed (m/s) | Weight Kg | R.R.P € |
|-------------|-------------------------|-----------|------------------|--------------|---------------|------------|----------------|-----------|----------|
| Código | Modelo | R.P.M. | I. Nom. (A) 400V | P Nom. kW | Q máx. m³/h | Empuje (N) | Vel. Imp (m/s) | Peso Kg | PVP € |
| 274300298F3 | JFC 315 T2/T4 UN F300 | 2850/1430 | 1,47/0,45 | 0,55/0,12 | 4.490/2.245 | 25/12,5 | 17,07/8,54 | 91 | 1.956,90 |
| 274301298F3 | JFC 315 T2/T4 RE F300 | 2850/1430 | 1,47/0,45 | 0,55/0,12 | 4.360/2.180 | 24/12 | 16,58/8,29 | 95 | 1.986,30 |
| 274310298F3 | JFC 315/H T2/T4 UN F300 | 2850/1450 | 2,36/0,59 | 1,1/0,18 | 5.420/2.710 | 37/18,5 | 20,61/10,3 | 93 | 1.987,50 |
| 274311298F3 | JFC 315/H T2/T4 RE F300 | 2850/1450 | 2,36/0,59 | 1,1/0,18 | 4.740/2.370 | 28/14 | 18,02/9,01 | 97 | 2.046,10 |
| 274350298F3 | JFC 355 T2/T4 UN F300 | 2850/1430 | 1,47/0,45 | 0,55/0,12 | 5.230/2.615 | 24/12 | 13,88/6,94 | 99 | 2.180,60 |
| 274351298F3 | JFC 355 T2/T4 RE F300 | 2850/1430 | 1,47/0,45 | 0,55/0,12 | 5.500/2.750 | 27/13,5 | 14,6/7,3 | 101 | 2.309,70 |
| 274360298F3 | JFC 355/H T2/T4 UN F300 | 2850/1450 | 2,36/0,59 | 1,1/0,18 | 6.900/3.450 | 42/21 | 18,32/9,16 | 101 | 2.280,40 |
| 274361298F3 | JFC 355/H T2/T4 RE F300 | 2850/1450 | 2,36/0,59 | 1,1/0,18 | 6.820/3.410 | 71/35,5 | 18,11/9,05 | 103 | 2.326,90 |
| 274400298F3 | JFC 400 T2/T4 UN F300 | 2850/1450 | 2,36/0,59 | 1,1/0,18 | 8.460/4.230 | 52/26 | 18,42/9,21 | 121 | 2.425,10 |
| 274401298F3 | JFC 400 T2/T4 RE F300 | 2850/1450 | 2,36/0,59 | 1,1/0,18 | 8.160/4.080 | 48/24 | 17,77/8,89 | 125 | 2.454,40 |
| 274410298F3 | JFC 400/H T2/T4 UN F300 | 2850/1450 | 3,54/1,54 | 1,5/0,37 | 9.320/4.660 | 63/31,5 | 20,3/10,15 | 128 | 2.755,10 |
| 274411298F3 | JFC 400/H T2/T4 RE F300 | 2850/1450 | 3,54/1,54 | 1,5/0,37 | 9.190/4.595 | 61/30,5 | 20,01/10,01 | 128 | 2.784,40 |

JFC F400 400°C/2H

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Thrust (N) | Speed (m/s) | Weight Kg | R.R.P € |
|-----------|----------------------|--------|-------------|------|---------------|---------------|------------|----------------|-----------|----------|
| | | | 230V | 400V | | | | | | |
| Código | Modelo | R.P.M. | I. Nom. (A) | | P Nom. kW | Q máx. m³/h | Empuje (N) | Vel. Imp (m/s) | Peso Kg | PVP € |
| | | | 230V | 400V | | | | | | |
| 274300198 | JFC 315 T2 UN F400 | 2780 | 2,36 | 1,36 | 0,55 | 4.280 | 23 | 16,27 | 91 | 1.994,20 |
| 274301198 | JFC 315 T2 RE F400 | 2780 | 2,36 | 1,36 | 0,55 | 4.140 | 22 | 15,74 | 95 | 2.057,00 |
| 274310198 | JFC 315/H T2 UN F400 | 2860 | 4,14 | 2,39 | 1,10 | 5.140 | 33 | 19,54 | 93 | 2.213,70 |
| 274311198 | JFC 315/H T2 RE F400 | 2860 | 4,14 | 2,39 | 1,10 | 4.500 | 26 | 17,11 | 97 | 2.245,00 |
| 274350198 | JFC 355 T2 UN F400 | 2780 | 2,36 | 1,36 | 0,55 | 4.930 | 22 | 13,09 | 99 | 2.285,10 |
| 274351198 | JFC 355 T2 RE F400 | 2780 | 2,36 | 1,36 | 0,55 | 5.190 | 24 | 13,78 | 101 | 2.297,80 |
| 274360198 | JFC 355/H T2 UN F400 | 2860 | 4,14 | 2,39 | 1,10 | 6.480 | 37 | 17,20 | 101 | 2.513,10 |
| 274361198 | JFC 355/H T2 RE F400 | 2860 | 4,14 | 2,39 | 1,10 | 6.400 | 36 | 16,99 | 103 | 2.544,40 |
| 274400198 | JFC 400 T2 UN F400 | 2860 | 4,14 | 2,39 | 1,10 | 8.050 | 47 | 17,53 | 121 | 2.607,30 |
| 274401198 | JFC 400 T2 RE F400 | 2860 | 4,14 | 2,39 | 1,10 | 7.740 | 43 | 16,86 | 125 | 2.638,50 |
| 274410198 | JFC 400/H T2 UN F400 | 2860 | 5,83 | 3,14 | 1,50 | 8.850 | 57 | 19,27 | 128 | 2.919,70 |
| 274411198 | JFC 400/H T2 RE F400 | 2860 | 5,83 | 3,14 | 1,50 | 8.690 | 55 | 18,92 | 128 | 2.949,00 |

THREE PHASE RANGE 2 SPEEDS | SERIE TRIFÁSICA 2 VELOCIDADES

| Code | Model | R.P.M. | Rated I (A) 400V | Rat. Pow. kW | Air flow m³/h | Thrust (N) | Speed (m/s) | Weight Kg | R.R.P € |
|-----------|-------------------------|-----------|------------------|--------------|---------------|------------|----------------|-----------|----------|
| Código | Modelo | R.P.M. | I. Nom. (A) 400V | P Nom. kW | Q máx. m³/h | Empuje (N) | Vel. Imp (m/s) | Peso Kg | PVP € |
| 274300298 | JFC 315 T2/T4 UN F400 | 2850/1430 | 1,47/0,45 | 0,55/0,12 | 4.280/2.140 | 23/11,5 | 16,27/8,14 | 91 | 2.046,20 |
| 274301298 | JFC 315 T2/T4 RE F400 | 2850/1430 | 1,47/0,45 | 0,55/0,12 | 4.140/2.070 | 22/11 | 15,74/7,87 | 95 | 2.108,80 |
| 274310298 | JFC 315/H T2/T4 UN F400 | 2850/1450 | 2,36/0,59 | 1,1/0,18 | 5.140/2.570 | 33/16,5 | 19,54/9,77 | 93 | 2.278,30 |
| 274311298 | JFC 315/H T2/T4 RE F400 | 2850/1450 | 2,36/0,59 | 1,1/0,18 | 4.500/2.250 | 26/13 | 17,11/8,55 | 97 | 2.309,80 |
| 274350298 | JFC 355 T2/T4 UN F400 | 2850/1430 | 1,47/0,45 | 0,55/0,12 | 4.930/2.465 | 22/11 | 13,09/6,54 | 99 | 2.253,00 |
| 274351298 | JFC 355 T2/T4 RE F400 | 2850/1430 | 1,47/0,45 | 0,55/0,12 | 5.190/2.595 | 24/12 | 13,78/6,89 | 101 | 2.409,70 |
| 274360298 | JFC 355/H T2/T4 UN F400 | 2850/1450 | 2,36/0,59 | 1,1/0,18 | 6.480/3.240 | 37/18,5 | 17,2/8,6 | 101 | 2.625,10 |
| 274361298 | JFC 355/H T2/T4 RE F400 | 2850/1450 | 2,36/0,59 | 1,1/0,18 | 6.400/3.200 | 36/18 | 16,99/8,5 | 103 | 2.656,40 |
| 274400298 | JFC 400 T2/T4 UN F400 | 2850/1450 | 2,36/0,59 | 1,1/0,18 | 8.050/4.025 | 47/23,5 | 17,53/8,77 | 121 | 2.780,00 |
| 274401298 | JFC 400 T2/T4 RE F400 | 2850/1450 | 2,36/0,59 | 1,1/0,18 | 7.740/3.870 | 43/21,5 | 16,86/8,43 | 125 | 2.811,40 |
| 274410298 | JFC 400/H T2/T4 UN F400 | 2850/1450 | 3,54/1,54 | 1,5/0,37 | 8.850/4.425 | 57/28,5 | 19,27/9,64 | 128 | 3.199,60 |
| 274411298 | JFC 400/H T2/T4 RE F400 | 2850/1450 | 3,54/1,54 | 1,5/0,37 | 8.690/4.345 | 55/27,5 | 18,92/9,46 | 128 | 3.228,90 |

SYBILO

Centrifugal jet fan

Ventilador de impulso centrífugo (jet fan)



MANUFACTURING FEATURES

Centrifugal powerful jet fan with low profile conceived for car park, working inside the hazardous area and remove wide air volume. It is 400°C/2h and 300°C/2h (also available comfort version)

FAN

- Galvanized steel sheet casing.
- Strong backward impeller made of strong galvanized steel sheet.
- External wiring box.
- Inlet protection.
- Support included.

MOTOR

- Class H insulation, S1 continuous use and S2 emergency use, with bearing balls, IP-55 protection, 2 speeds.
- 400V 4/8 pole Dalhander three phase motor.
- Maximum air temperature to be moved:
- S1 -> -20°C +60°C.
- S2 -> 400°C / 2h (F400).
- 300°C / 2h (F300).

CARACTERÍSTICAS CONSTRUCTIVAS

Ventiladores centrífugos de impulso de gran alcance y bajo perfil para trabajar dentro de la zona de riesgo moviendo grandes volúmenes de aire en parkings 400°C 2h y 300°C 2h (disponible también en versión confort).

VENTILADOR

- Envoltorio en chapa de acero galvanizado.
- Turbina con álabes a reacción en chapa de acero galvanizado de gran robustez.
- Caja de conexiones exterior.
- Protección en la aspiración.
- Pies incluidos.

MOTOR

- Motor clase H, uso continuo S1 y uso de emergencia S2, con rodamientos de bolas, protección IP-55 de 2 velocidades.
- Trifásicos 400V 4/8 polos Dalhander.
- Temperatura máxima del aire a transportar:
- S1 -> -20°C +60°C.
- S2 -> 400°C / 2h (F400).
- 300°C / 2h (F300).

ACCESSORIES | ACCESORIOS



SFC pg.433

Speed controller for single phase motors.
Regulador de velocidad monofásico.



INT pg.434

Safety switch.
Interruptor de corte.



INT 400 pg.434

Connexion flange.
Brida de conexión.

SYBILO CONFORT

THREE PHASE RANGE 2 SPEEDS | SERIE TRIFÁSICA 2 VELOCIDADES

| Code | Model | R.P.M. | Rated I (A) 400V | Rat. Pow. kW | Air flow m³/h | Thrust (N) | Speed (m/s) | Weight Kg | R.R.P € |
|--------------|-------------|----------|------------------|--------------|---------------|------------|--------------|-----------|----------|
| Código | Modelo | R.P.M. | I. Nom.(A) 400V | P. Nom. kW | Q máx. m³/h | Empuje (N) | Sonido dB(A) | Peso Kg | PVP € |
| 275500186STD | SYBILO 50N | 1420/710 | 2,71/1,14 | 1,1/0,18 | 5.800/2.900 | 50 | 75/59 | 83 | 1.792,80 |
| 275750186STD | SYBILO 75N | 1430/715 | 5,6/1,8 | 2,2/0,37 | 8.300/4.150 | 75 | 77/61 | 130 | 2.413,80 |
| 275100186STD | SYBILO 100N | 1430/715 | 5,6/1,8 | 2,2/0,37 | 9.200/4.600 | 100 | 78/63 | 130 | 2.444,70 |

SYBILO F300 300°C/2H

THREE PHASE RANGE 2 SPEEDS | SERIE TRIFÁSICA 2 VELOCIDADES

| Code | Model | R.P.M. | Rated I (A) 400V | Rat. Pow. kW | Air flow m³/h | Thrust (N) | Speed (m/s) | Weight Kg | R.R.P € |
|-----------|------------------|----------|------------------|--------------|---------------|------------|--------------|-----------|----------|
| Código | Modelo | R.P.M. | I. Nom.(A) 400V | P. Nom. kW | Q máx. m³/h | Empuje (N) | Sonido dB(A) | Peso Kg | PVP € |
| 275500186 | SYBILO 50N F300 | 1420/710 | 2,71/1,14 | 1,1/0,18 | 5.800/2.900 | 50 | 75/59 | 83 | 2.264,60 |
| 275750186 | SYBILO 75N F300 | 1430/715 | 5,6/1,8 | 2,2/0,37 | 8.300/4.150 | 75 | 77/61 | 130 | 2.857,70 |
| 275100186 | SYBILO 100N F300 | 1430/715 | 5,6/1,8 | 2,2/0,37 | 9.200/4.600 | 100 | 78/63 | 130 | 2.910,30 |

SYBILO F400 400°C/2H

THREE PHASE RANGE 2 SPEEDS | SERIE TRIFÁSICA 2 VELOCIDADES

| Code | Model | R.P.M. | Rated I (A) 400V | Rat. Pow. kW | Air flow m³/h | Thrust (N) | Speed (m/s) | Weight Kg | R.R.P € |
|-----------|------------------|----------|------------------|--------------|---------------|------------|--------------|-----------|----------|
| Código | Modelo | R.P.M. | I. Nom.(A) 400V | P. Nom. kW | Q máx. m³/h | Empuje (N) | Sonido dB(A) | Peso Kg | PVP € |
| 275500196 | SYBILO 50N F400 | 1420/710 | 2,71/1,14 | 1,1/0,18 | 5.800/2.900 | 50 | 75/59 | 83 | 2.788,70 |
| 275750196 | SYBILO 75N F400 | 1430/715 | 5,6/1,8 | 2,2/0,37 | 8.300/4.150 | 75 | 77/61 | 130 | 3.692,30 |
| 275100196 | SYBILO 100N F400 | 1430/715 | 5,6/1,8 | 2,2/0,37 | 9.200/4.600 | 100 | 78/63 | 130 | 3.726,40 |



Smoke exhaust

Desenfumaje



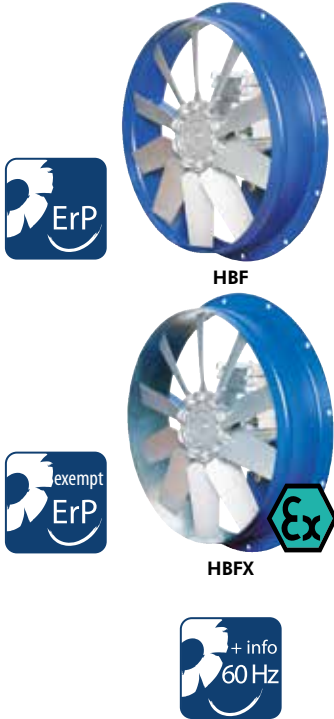
SMOKE EXHAUST | INSIDE DESENFUMAJE | INMERSOS 400°C/2h, 300°C/2h, 200°C/2h

Homologación oficial APPLUS según norma EN 12101-3:2015.

HBF | HBFX F400

Axial fan F400

Ventilador helicoidal F400



MANUFACTURING FEATURES

- Axial fan with circular reinforced frame.
- Modular motor-impeller assembly.
- Impeller in aluminum injection with reinforced body. Protected against corrosion by powder coating of epoxy-polyester resin.
- HBFX with protection ring made of aluminium.
- Standard asynchronous squirrel cage motor with IP-55 protection and Class H insulation certified 400°C/2h. Standard voltages 230/400V 50Hz in three phase motors up to 3kW and 400/690V 50Hz for higher powers. IE3 efficiency motor from 0,75kW up to 45kW in single speed.

APPLICATIONS

- Designed for wall or duct installation, they are suitable for:
- Smoke emergency exhaust with motor inside the hazardous area.
 - Maximum working temperature: 60°C.

UNDER REQUEST

- B Form impeller (air flow from impeller to motor). 5% additional cost.
- 100% reversible impeller. 5% additional cost.

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador helicoidal de marco redondo reforzado.
- Montaje modular del conjunto motor hélice.
- Hélice en inyección de aluminio con nervio intermedio. Protegidos contra la corrosión mediante recubrimiento en polvo de resina epoxy-poliéster.
- Anillo de protección en aluminio para HBFX.
- Motor asincrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase H homologado para 400°C/2h. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 3kW y 400/690V 50Hz para potencias superiores. Motor de eficiencia IE3 desde 0,75kW hasta 45kW de una velocidad.

APLICACIONES

- Diseñados para montaje en pared o en conducto, son indicados para:
- Extracción de humo en caso de incendio estando el motor dentro de la zona de riesgo.
 - Temperatura máxima de trabajo en continuo: 60°C.

BAJO DEMANDA

- Hélice impenente (sentido de aire hélice-motor). Incremento 5% sobre PVP.
- Hélice reversible 100%. Incremento 5% sobre PVP.



ACCESSORIES | ACCESORIOS

| | | | |
|---|---|---|---|
| INT 400 pg.434 Connexion flange. Brida de conexión. | INT pg.434 Safety switch. Interruptor de corte. | INT ATEX pg.434 Switch for ATEX environments. Interruptor para funcionar en entornos ATEX. | AC pg.411 Connexion flange. Brida de conexión. |
| BA-400 pg.416 Anti-vibrating flange 400°/2h. flexible. Brida antivibratoria 400°/2h. | SFC pg.433 Speed controller for single phase motors. Regulador de velocidad monofásico. | MC HB pg.415 Square mounting frame. Marco soporte cuadrado. | PC2 pg.402 Overpressure damper for facade. Rejilla de sobrepresión anti-retorno. |
| BAD pg.416 Circular-Circular coupling flange. Brida de acoplamiento circular-circular. | JE 45 pg.416 Flexible joint. Junta elástica. | RPO pg.396 Outlet protection guard. Rejilla de protección. | RP1 pg.397 Inlet protection guard. Rejilla de protección. |

HBF F400

HBF F400 | THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|-----------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|
| | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| 45 T4 (A5:6) | 1.295,70 | | | | | | | | | | | | | | | |
| 50 T4 (A5:6) | 1.347,60 | | | | | | | | | | | | | | | |
| 56 T4 (A5:6) | 1.378,20 | 1.479,30 | 1.637,30 | | | | | | | | | | | | | |
| 63 T4 (A5:6) | 1.425,80 | 1.526,90 | 1.684,90 | 1.851,20 | | | | | | | | | | | | |
| 71 T4 (A5:6) | 1.473,80 | 1.575,00 | 1.732,90 | 1.899,20 | 2.080,10 | | | | | | | | | | | |
| 80 T4 (A5:6) | | | | 1.965,90 | 2.146,80 | 2.276,10 | | | | | | | | | | |
| 90 T4 (A3:8) | | | | | 3.256,50 | 3.385,80 | 3.915,50 | 4.174,10 | 4.604,70 | 5.085,40 | 5.824,50 | | | | | |
| 90 T4 (A3:4) | | | | | 2.979,50 | 3.108,70 | 3.638,50 | 3.897,00 | 4.327,70 | 4.808,40 | 5.547,50 | | | | | |
| 100 T4 (A3:8) | | | | | | | 4.063,70 | 4.322,20 | 4.752,90 | 5.233,60 | 5.972,70 | 6.754,50 | 7.313,60 | | | |
| 100 T4 (A3:4) | | | | | | | 3.786,80 | 4.045,10 | 4.476,00 | 4.956,60 | 5.695,70 | 6.477,50 | 7.036,60 | | | |
| 112 T4 (A3:8) | | | | | | | | 4.831,90 | 5.262,60 | 5.743,20 | 6.482,40 | 7.264,10 | 7.823,40 | 9.367,80 | 10.831,90 | |
| 112 T4 (A3:4) | | | | | | | | 4.554,90 | 4.985,60 | 5.466,20 | 6.205,30 | 6.987,20 | 7.546,40 | 9.090,80 | 10.554,80 | |
| 125 T4 (A3:8) | | | | | | | | | | 5.919,00 | 6.658,10 | 7.439,90 | 7.999,00 | 9.543,50 | 11.007,60 | 11.732,60 |
| 125 T4 (A3:4) | | | | | | | | | | 5.642,00 | 6.381,10 | 7.162,90 | 7.722,00 | 9.266,60 | 10.730,60 | 11.455,50 |

HBF F400 | THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | |
|-----------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| 45 T6 (A5:6) | 1.504,80 | | | | | | | | | |
| 50 T6 (A5:6) | 1.556,70 | | | | | | | | | |
| 56 T6 (A5:6) | 1.587,40 | | | | | | | | | |
| 63 T6 (A5:6) | 1.634,90 | | | | | | | | | |
| 71 T6 (A5:6) | 1.683,00 | | | | | | | | | |
| 80 T6 (A5:6) | 1.749,60 | 1.812,90 | 2.103,20 | 2.179,80 | | | | | | |
| 90 T6 (A3:8) | | | 3.213,00 | 3.289,60 | 3.732,60 | 3.566,00 | 4.251,50 | | | |
| 90 T6 (A3:4) | | | 2.936,00 | 3.012,70 | 3.455,70 | 3.289,00 | 3.974,50 | | | |
| 100 T6 (A3:8) | | | 3.361,20 | 3.437,80 | 3.880,80 | 3.714,10 | 4.399,70 | 5.656,10 | | |
| 100 T6 (A3:4) | | | 3.084,20 | 3.160,90 | 3.603,90 | 3.437,10 | 4.122,70 | 5.379,10 | | |
| 112 T6 (A3:8) | | | | 3.947,50 | 4.390,60 | 4.223,80 | 4.909,40 | 6.165,70 | 6.830,50 | |
| 112 T6 (A3:4) | | | | 3.670,50 | 4.113,60 | 3.946,90 | 4.632,50 | 5.888,70 | 6.553,40 | |
| 125 T6 (A3:8) | | | | | 4.566,20 | 4.399,50 | 5.085,10 | 6.341,40 | 7.006,10 | 7.859,00 |
| 125 T6 (A3:4) | | | | | 4.289,20 | 4.122,50 | 4.808,10 | 6.064,50 | 6.729,20 | 7.582,00 |

HBF F400 | THREE PHASE RANGE 2 SPEEDS 4/8 POLE | SERIE TRIFÁSICA 2 VELOCIDADES 4/8 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|
| | 0,75/0,12 | 1,1/0,18 | 1,5/0,25 | 2,2/0,37 | 3/0,55 | 4/0,75 | 5,5/1,1 | 7,5/1,5 | 10/2 | 14/3 | 16,5/3,3 | 20/4 | 27/5,4 | 30/6,5 | 35/7,5 | 40/8 |
| 45 T4/T8 (A5:6) | 1.557,40 | | | | | | | | | | | | | | | |
| 50 T4/T8 (A5:6) | 1.609,30 | | | | | | | | | | | | | | | |
| 56 T4/T8 (A5:6) | 1.639,80 | 1.776,00 | 1.818,70 | | | | | | | | | | | | | |
| 63 T4/T8 (A5:6) | 1.687,50 | 1.823,60 | 1.866,20 | 1.951,50 | | | | | | | | | | | | |
| 71 T4/T8 (A5:6) | 1.735,50 | 1.871,70 | 1.914,30 | 1.999,60 | 2.307,60 | | | | | | | | | | | |
| 80 T4/T8 (A5:6) | | | | 2.066,20 | 2.374,30 | 2.459,50 | | | | | | | | | | |
| 90 T4/T8 (A3:4) | | | | | 3.206,90 | 3.292,20 | 3.846,50 | 4.396,20 | 4.964,80 | | | | | | | |
| 90 T4/T8 (A3:8) | | | | | | | 4.123,50 | 4.673,20 | 5.241,80 | 6.506,70 | 7.658,60 | | | | | |
| 100 T4/T8 (A3:4) | | | | | | | 3.994,70 | 4.544,40 | 5.113,00 | 6.378,00 | 7.529,80 | | | | | |
| 100 T4/T8 (A3:8) | | | | | | | | | 5.390,00 | 6.654,90 | 7.806,80 | 8.046,60 | | | | |
| 112 T4/T8 (A3:4) | | | | | | | | 5.054,10 | 5.622,60 | 6.887,60 | 8.039,50 | 8.279,40 | | | | |
| 112 T4/T8 (A3:8) | | | | | | | | | | 7.164,60 | 8.316,40 | 8.556,30 | 10.547,30 | 12.034,20 | 14.870,20 | |
| 125 T4/T8 (A3:4) | | | | | | | | | 5.798,40 | 7.063,40 | 8.215,20 | 8.455,00 | 10.446,00 | 11.932,80 | 14.768,70 | |
| 125 T4/T8 (A3:8) | | | | | | | | | | | 8.492,20 | 8.732,00 | 10.723,00 | 12.209,80 | 15.045,70 | 16.401,90 |

HBFX F400

HBFX F400 | THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|-----------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|
| | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| 45 T4 (A5:6) | 1.310,80 | | | | | | | | | | | | | | | |
| 50 T4 (A5:6) | 1.367,90 | | | | | | | | | | | | | | | |
| 56 T4 (A5:6) | 1.401,50 | 1.502,60 | 1.660,60 | | | | | | | | | | | | | |
| 63 T4 (A5:6) | 1.453,90 | 1.555,10 | 1.712,90 | 1.879,20 | | | | | | | | | | | | |
| 71 T4 (A5:6) | 1.506,80 | 1.607,90 | 1.765,80 | 1.932,10 | 2.113,10 | | | | | | | | | | | |
| 80 T4 (A5:6) | | | | 2.005,40 | 2.186,30 | 2.315,60 | | | | | | | | | | |
| 90 T4 (A3:8) | | | | | 3.312,40 | 3.441,80 | 3.971,50 | 4.229,80 | 4.660,70 | 5.141,40 | 5.880,50 | | | | | |
| 90 T4 (A3:4) | | | | | 3.035,40 | 3.164,70 | 3.694,50 | 3.952,90 | 4.383,70 | 4.864,30 | 5.603,50 | | | | | |
| 100 T4 (A3:8) | | | | | | | 4.134,40 | 4.392,90 | 4.823,60 | 5.304,40 | 6.043,50 | 6.825,30 | 7.384,40 | | | |
| 100 T4 (A3:4) | | | | | | | 3.857,50 | 4.115,90 | 4.546,80 | 5.027,30 | 5.766,50 | 6.548,20 | 7.107,30 | | | |
| 112 T4 (A3:8) | | | | | | | | 4.953,60 | 5.384,30 | 5.864,90 | 6.604,20 | 7.385,90 | 7.945,10 | 9.489,50 | 10.953,70 | |
| 112 T4 (A3:4) | | | | | | | | 4.676,60 | 5.107,30 | 5.588,10 | 6.327,20 | 7.109,00 | 7.668,10 | 9.212,60 | 10.676,60 | |
| 125 T4 (A3:8) | | | | | | | | | | 6.058,30 | 6.797,40 | 7.579,20 | 8.138,30 | 9.682,80 | 11.146,80 | 11.871,90 |
| 125 T4 (A3:4) | | | | | | | | | | 5.781,30 | 6.520,40 | 7.302,20 | 7.861,20 | 9.405,90 | 10.869,90 | 11.594,80 |

SMOKE EXHAUST | INSIDE
DESENFUMAJE | INMERSOS
400°C/2h, 300°C/2h, 200°C/2h

Homologación oficial APPLUS según norma EN 12101-3:2015.



HBFX F400 | THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | |
|-----------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| 45 T6 (A5:6) | 1.519,90 | | | | | | | | | |
| 50 T6 (A5:6) | 1.577,00 | | | | | | | | | |
| 56 T6 (A5:6) | 1.610,60 | | | | | | | | | |
| 63 T6 (A5:6) | 1.663,00 | | | | | | | | | |
| 71 T6 (A5:6) | 1.715,90 | | | | | | | | | |
| 80 T6 (A5:6) | 1.789,10 | 1.852,40 | 2.142,80 | 2.219,50 | | | | | | |
| 90 T6 (A3:8) | | | 3.268,90 | 3.345,50 | 3.788,60 | 3.621,90 | 4.307,50 | | | |
| 90 T6 (A3:4) | | | 2.992,00 | 3.068,60 | 3.511,50 | 3.344,80 | 4.030,40 | | | |
| 100 T6 (A3:8) | | | 3.432,00 | 3.508,50 | 3.951,60 | 3.784,90 | 4.470,50 | 5.726,90 | | |
| 100 T6 (A3:4) | | | 3.155,00 | 3.231,50 | 3.674,60 | 3.507,80 | 4.193,40 | 5.449,90 | | |
| 112 T6 (A3:8) | | | | 4.069,20 | 4.512,30 | 4.345,60 | 5.031,10 | 6.287,40 | 6.952,20 | |
| 112 T6 (A3:4) | | | | 3.792,20 | 4.235,30 | 4.068,60 | 4.754,20 | 6.010,50 | 6.675,10 | |
| 125 T6 (A3:8) | | | | | 4.705,50 | 4.538,80 | 5.224,40 | 6.480,80 | 7.145,40 | 7.998,30 |
| 125 T6 (A3:4) | | | | | 4.428,60 | 4.261,80 | 4.947,40 | 6.203,80 | 6.868,50 | 7.721,30 |

HBFX F400 | THREE PHASE RANGE 2 SPEEDS 4/8 POLE | SERIE TRIFÁSICA 2 VELOCIDADES 4/8 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|
| | 0,75/0,12 | 1,1/0,18 | 1,5/0,25 | 2,2/0,37 | 3/0,55 | 4/0,75 | 5,5/1,1 | 7,5/1,5 | 10/2 | 14/3 | 16,5/3,3 | 20/4 | 27/5,4 | 30/6,5 | 35/7,5 | 40/8 |
| 45 T4/T8 (A5:6) | 1.572,50 | | | | | | | | | | | | | | | |
| 50 T4/T8 (A5:6) | 1.629,60 | | | | | | | | | | | | | | | |
| 56 T4/T8 (A5:6) | 1.663,10 | 1.799,20 | 1.841,90 | | | | | | | | | | | | | |
| 63 T4/T8 (A5:6) | 1.715,60 | 1.851,60 | 1.894,40 | 1.979,50 | | | | | | | | | | | | |
| 71 T4/T8 (A5:6) | 1.768,40 | 1.904,50 | 1.947,20 | 2.032,40 | 2.340,50 | | | | | | | | | | | |
| 80 T4/T8 (A5:6) | | | | 2.105,80 | 2.413,70 | 2.499,00 | | | | | | | | | | |
| 90 T4/T8 (A3:4) | | | | | 3.262,90 | 3.348,20 | 3.902,50 | 4.452,20 | 5.020,70 | | | | | | | |
| 90 T4/T8 (A3:8) | | | | | | | 4.179,50 | 4.729,10 | 5.297,80 | 6.562,70 | 7.714,60 | | | | | |
| 100 T4/T8 (A3:4) | | | | | | | 4.065,50 | 4.615,20 | 5.183,70 | 6.448,80 | 7.600,50 | | | | | |
| 100 T4/T8 (A3:8) | | | | | | | | | 5.460,80 | 6.725,70 | 7.877,60 | 8.117,30 | | | | |
| 112 T4/T8 (A3:4) | | | | | | | | 5.175,90 | 5.744,50 | 7.009,40 | 8.161,30 | 8.401,10 | | | | |
| 112 T4/T8 (A3:8) | | | | | | | | | | 7.286,30 | 8.438,30 | 8.678,10 | 10.669,00 | 12.155,90 | 14.991,90 | |
| 125 T4/T8 (A3:4) | | | | | | | | | 5.937,70 | 7.202,70 | 8.354,50 | 8.594,30 | 10.585,30 | 12.072,00 | 14.908,00 | |
| 125 T4/T8 (A3:8) | | | | | | | | | | | 8.631,50 | 8.871,40 | 10.862,30 | 12.349,10 | 15.185,00 | 16.541,20 |

HBF | HBFX F300

Axial fan F300

Ventilador helicoidal F300



HBF



HBFX



MANUFACTURING FEATURES

- Axial fan with circular reinforced frame.
- Modular motor-impeller assembly.
- Impeller in aluminum injection with reinforced body. Protected against corrosion by powder coating of epoxy-polyester resin.
- HBFX with protection ring made of aluminium.
- Standard asynchronous squirrel cage motor with IP-55 protection and Class H insulation certified 300°C/2h. Standard voltages 230/400V 50Hz in three phase motors up to 3kW and 400/690V 50Hz for higher powers. IE3 efficiency motor from 0,75kW up to 45kW in single speed.

APPLICATIONS

Designed for wall or duct installation, they are suitable for:

- Smoke emergency exhaust with motor inside the hazardous area.
- Maximum working temperature: 60°C.

UNDER REQUEST

- B Form impeller (air flow from impeller to motor). 5% additional cost.
- 100% reversible impeller. 5% additional cost.

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador helicoidal de marco redondo reforzado.
- Montaje modular del conjunto motor hélice.
- Hélice en inyección de aluminio con nervio intermedio. Protegidos contra la corrosión mediante recubrimiento en polvo de resina epoxy-poliéster.
- Anillo de protección en aluminio para HBFX.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase H certificado 300°C/2h. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 3kW y 400/690V 50Hz para potencias superiores. Motor de eficiencia IE3 desde 0,75kW hasta 45kW de una velocidad.

APLICACIONES

Diseñados para montaje en pared o en conducto, son indicados para:

- Extracción de humo en caso de incendio estando el motor dentro de la zona de riesgo.
- Temperatura máxima de trabajo en continuo: 60°C.

BAJO DEMANDA

- Hélice impelente (sentido de aire hélice-motor). Incremento 5% sobre PVP.
- Hélice reversible 100%. Incremento 5% sobre PVP.



ACCESSORIES | ACCESORIOS



INT 400 pg.434

Connexion flange.
Brida de conexión.



INT pg.434

Safety switch.
Interruptor de corte.



INT ATEX pg.434

Switch for ATEX environments.
Interruptor para funcionar en entornos ATEX.



AC pg.411

Connexion flange.
Brida de conexión.



BA-400 pg.416

Anti-vibrating flange 400°/2h. flexible.
Brida antivibratoria 400°/2h.



SFC pg.433

Speed controller for single phase motors. Regulador de velocidad monofásico.



MC HB pg.415

Square mounting frame.
Marco soporte cuadrado.



PC2 pg.402

Overpressure damper for facade.
Rejilla de sobrepresión anti-retorno.



BAD pg.416

Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



JE 45 pg.416

Flexible joint.
Junta elástica.



RPO pg.396

Outlet protection guard.
Rejilla de protección.



RP1 pg.397

Inlet protection guard.
Rejilla de protección.

**SMOKE EXHAUST | INSIDE
DESENFUMAJE | INMERSOS
400°C/2h, 300°C/2h, 200°C/2h**

Homologación oficial APPLUS según norma EN 12101-3:2015.



HBF F300

HBF F300 | THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | | |
|-----------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----|
| | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| 45 T4 (A2:9) | 915,70 | 918,80 | | | | | | | | | | | | | | | |
| 45 T4 (A2:6) | 846,30 | 849,40 | | | | | | | | | | | | | | | |
| 50 T4 (A2:9) | 967,50 | 970,60 | 983,00 | | | | | | | | | | | | | | |
| 50 T4 (A2:6) | 898,30 | 901,50 | 913,70 | | | | | | | | | | | | | | |
| 56 T4 (A2:9) | 998,20 | 1.001,30 | 1.013,60 | 1.045,40 | 1.293,20 | | | | | | | | | | | | |
| 56 T4 (A2:6) | 928,80 | 931,90 | 944,30 | 976,20 | 1.224,00 | | | | | | | | | | | | |
| 63 T4 (A2:9) | 1.045,70 | 1.048,90 | 1.061,30 | 1.093,10 | 1.340,80 | 1.455,20 | | | | | | | | | | | |
| 63 T4 (A2:6) | 976,50 | 979,60 | 991,90 | 1.023,80 | 1.271,60 | 1.387,90 | | | | | | | | | | | |
| 71 T4 (A2:9) | | 1.096,90 | 1.109,20 | 1.141,10 | 1.389,00 | 1.501,90 | 1.717,10 | | | | | | | | | | |
| 71 T4 (A2:6) | | 1.027,70 | 1.040,10 | 1.071,80 | 1.319,60 | 1.434,60 | 1.647,80 | | | | | | | | | | |
| 80 T4 (A2:9) | | | 1.175,90 | 1.207,70 | 1.455,60 | 1.566,60 | 1.783,70 | 2.068,00 | 2.348,10 | | | | | | | | |
| 80 T4 (A2:6) | | | 1.106,60 | 1.138,40 | 1.386,30 | 1.499,30 | 1.714,40 | 1.998,90 | 2.278,80 | | | | | | | | |
| 90 T4 (A6:6) | | | | | | 2.270,70 | 2.508,90 | 2.793,40 | 3.073,30 | 3.396,40 | 3.923,10 | 4.610,10 | | | | | |
| 90 T4 (A6:3) | | | | | | 2.047,70 | 2.279,30 | 2.563,70 | 2.843,70 | 3.166,70 | 3.693,40 | 4.380,50 | | | | | |
| 100 T4 (A6:6) | | | | | | | | 2.941,60 | 3.221,50 | 3.544,50 | 4.071,30 | 4.758,30 | 5.326,80 | 5.843,20 | | | |
| 100 T4 (A6:3) | | | | | | | | 2.711,90 | 2.991,90 | 3.314,90 | 3.841,60 | 4.528,60 | 5.097,20 | 5.613,60 | | | |
| 112 T4 (A6:6) | | | | | | | | 3.451,20 | 3.731,30 | 4.054,30 | 4.581,00 | 5.268,20 | 5.836,50 | 6.353,00 | 7.632,40 | 8.527,80 | |
| 112 T4 (A6:3) | | | | | | | | 3.221,60 | 3.501,60 | 3.824,60 | 4.351,50 | 5.038,50 | 5.606,90 | 6.123,40 | 7.402,70 | 8.298,10 | |
| 125 T4 (A6:6) | | | | | | | | 3.906,90 | 4.229,80 | 4.756,70 | 5.443,70 | 6.012,20 | 6.528,70 | 7.808,00 | 8.703,40 | 9.840,60 | |
| 125 T4 (A6:3) | | | | | | | | 3.677,40 | 4.000,40 | 4.527,10 | 5.214,10 | 5.782,50 | 6.299,10 | 7.578,50 | 8.473,90 | 9.611,00 | |

HBF F300 | THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | |
|-----------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | |
| 45 T6 (A2:9) | 974,10 | | | | | | | | | | | |
| 45 T6 (A2:6) | 904,90 | | | | | | | | | | | |
| 50 T6 (A2:9) | 1.026,00 | | | | | | | | | | | |
| 50 T6 (A2:6) | 956,80 | | | | | | | | | | | |
| 56 T6 (A2:9) | 1.056,50 | | | | | | | | | | | |
| 56 T6 (A2:6) | 987,30 | | | | | | | | | | | |
| 63 T6 (A2:9) | 1.104,10 | 1.233,50 | | | | | | | | | | |
| 63 T6 (A2:6) | 1.034,90 | 1.164,30 | | | | | | | | | | |
| 71 T6 (A2:9) | 1.152,30 | 1.281,60 | 1.321,30 | | | | | | | | | |
| 71 T6 (A2:6) | 1.083,00 | 1.212,40 | 1.252,00 | | | | | | | | | |
| 80 T6 (A2:9) | 1.218,90 | 1.348,30 | 1.387,90 | 1.503,90 | 1.710,60 | | | | | | | |
| 80 T6 (A2:6) | 1.149,60 | 1.278,90 | 1.318,60 | 1.434,50 | 1.641,30 | | | | | | | |
| 90 T6 (A6:6) | | 2.073,50 | 2.113,20 | 2.229,10 | 2.435,90 | 2.646,90 | 2.922,50 | | | | | |
| 90 T6 (A6:3) | | 1.844,00 | 1.883,60 | 1.999,50 | 2.206,30 | 2.417,30 | 2.693,00 | | | | | |
| 100 T6 (A6:6) | | | 2.261,40 | 2.377,30 | 2.584,10 | 2.795,10 | 3.070,70 | 3.445,50 | 4.027,00 | | | |
| 100 T6 (A6:3) | | | 2.031,70 | 2.147,60 | 2.354,40 | 2.565,50 | 2.841,10 | 3.215,80 | 3.797,30 | | | |
| 112 T6 (A6:6) | | | | 2.887,00 | 3.093,80 | 3.304,90 | 3.580,50 | 3.955,30 | 4.536,70 | 5.445,50 | | |
| 112 T6 (A6:3) | | | | 2.657,40 | 2.864,20 | 3.075,20 | 3.350,80 | 3.725,60 | 4.307,00 | 5.215,90 | | |
| 125 T6 (A6:6) | | | | | 3.269,50 | 3.480,50 | 3.756,10 | 4.130,90 | 4.712,40 | 5.621,20 | 6.245,70 | |
| 125 T6 (A6:3) | | | | | | 3.039,80 | 3.250,80 | 3.526,50 | 3.901,20 | 4.482,70 | 5.391,50 | 6.016,00 |

HBF F300 | THREE PHASE RANGE 2 SPEEDS 4/8 POLE | SERIE TRIFÁSICA 2 VELOCIDADES 4/8 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | | |
|------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,6/0,15 | 0,8/0,2 | 1,2/0,3 | 1,6/0,4 | 2,2/0,55 | 2,8/0,7 | 3,8/1 | 5/1,3 | 7,2/1,8 | 11/3 | 15/3,8 | 18,5/4,8 | 24/6 | 30/7 | 37/8,5 |
| 45 T4/T8 (A2:6) | 853,80 | 910,10 | | | | | | | | | | | | | |
| 45 T4/T8 (A2:9) | 923,00 | 979,40 | | | | | | | | | | | | | |
| 50 T4/T8 (A2:6) | 905,70 | 962,00 | 1.058,40 | | | | | | | | | | | | |
| 50 T4/T8 (A2:9) | 975,00 | 1.031,30 | 1.127,50 | | | | | | | | | | | | |
| 56 T4/T8 (A2:6) | 936,30 | 992,60 | 1.088,90 | 1.140,20 | 1.297,80 | | | | | | | | | | |
| 56 T4/T8 (A2:9) | 1.005,50 | 1.061,90 | 1.158,20 | 1.209,30 | 1.367,10 | | | | | | | | | | |
| 63 T4/T8 (A2:6) | 983,90 | 1.040,30 | 1.136,50 | 1.187,70 | 1.345,50 | 1.466,90 | | | | | | | | | |
| 63 T4/T8 (A2:9) | 1.053,10 | 1.109,40 | 1.205,80 | 1.257,00 | 1.414,70 | 1.536,10 | | | | | | | | | |
| 71 T4/T8 (A2:6) | | 1.088,30 | 1.184,60 | 1.235,80 | 1.393,50 | 1.514,90 | 1.861,30 | | | | | | | | |
| 71 T4/T8 (A2:9) | | 1.157,50 | 1.253,90 | 1.305,00 | 1.462,80 | 1.584,20 | 1.930,60 | | | | | | | | |
| 80 T4/T8 (A2:6) | | | 1.251,20 | 1.302,40 | 1.460,20 | 1.581,60 | 1.928,00 | 2.241,40 | 2.635,00 | | | | | | |
| 80 T4/T8 (A2:9) | | | 1.320,60 | 1.371,70 | 1.529,30 | 1.650,80 | 1.997,20 | 2.310,50 | 2.704,20 | | | | | | |
| 90 T4/T8 (A6:3) | | | | | | 2.146,50 | 2.492,90 | 2.806,30 | 3.199,80 | 3.814,50 | 4.687,20 | | | | |
| 90 T4/T8 (A6:6) | | | | | | 2.376,20 | 2.722,50 | 3.035,90 | 3.429,50 | 4.044,20 | 4.916,90 | | | | |
| 100 T4/T8 (A6:3) | | | | | | | 2.641,00 | 2.954,40 | 3.348,00 | 3.962,70 | 4.835,40 | 5.649,40 | | | |
| 100 T4/T8 (A6:6) | | | | | | | 2.870,70 | 3.184,10 | 3.577,70 | 4.192,40 | 5.065,00 | 5.879,00 | 7.386,70 | | |
| 112 T4/T8 (A6:3) | | | | | | | 3.150,90 | 3.464,10 | 3.857,90 | 4.472,40 | 5.345,10 | 6.159,20 | 7.666,80 | 8.588,50 | 9.540,40 |
| 112 T4/T8 (A6:6) | | | | | | | 3.380,30 | 3.693,70 | 4.087,40 | 4.702,00 | 5.574,70 | 6.388,80 | 7.896,30 | 8.818,10 | 9.770,00 |
| 125 T4/T8 (A6:3) | | | | | | | | 3.639,80 | 4.033,50 | 4.648,10 | 5.520,80 | 6.334,90 | 7.842,40 | 8.764,10 | 9.716,10 |
| 125 T4/T8 (A6:6) | | | | | | | | 3.869,50 | 4.263,20 | 4.877,70 | 5.750,40 | 6.564,40 | 8.072,10 | 8.993,70 | 9.945,70 |

HBFX F300

HBFX F300 | THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | | |
|-----------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| 45 T4 (A2:9) | 930,70 | 933,80 | | | | | | | | | | | | | | | |
| 45 T4 (A2:6) | 861,40 | 864,50 | | | | | | | | | | | | | | | |
| 50 T4 (A2:9) | 987,80 | 990,90 | 1.003,20 | | | | | | | | | | | | | | |
| 50 T4 (A2:6) | 918,50 | 921,70 | 934,10 | | | | | | | | | | | | | | |
| 56 T4 (A2:9) | 1.021,30 | 1.024,40 | 1.036,90 | 1.068,70 | 1.316,60 | | | | | | | | | | | | |
| 56 T4 (A2:6) | 952,20 | 955,30 | 967,60 | 999,40 | 1.247,30 | | | | | | | | | | | | |
| 63 T4 (A2:9) | 1.073,80 | 1.076,90 | 1.089,30 | 1.121,20 | 1.368,90 | 1.526,90 | | | | | | | | | | | |
| 63 T4 (A2:6) | 1.004,60 | 1.007,70 | 1.020,00 | 1.051,90 | 1.299,80 | 1.457,70 | | | | | | | | | | | |
| 71 T4 (A2:9) | | 1.129,80 | 1.142,10 | 1.173,90 | 1.421,80 | 1.579,80 | 1.749,90 | | | | | | | | | | |
| 71 T4 (A2:6) | | 1.060,50 | 1.072,90 | 1.104,80 | 1.352,60 | 1.510,60 | 1.680,70 | | | | | | | | | | |
| 80 T4 (A2:9) | | | 1.215,40 | 1.247,30 | 1.495,20 | 1.653,10 | 1.823,30 | 2.107,60 | 2.387,60 | | | | | | | | |
| 80 T4 (A2:6) | | | 1.146,30 | 1.178,00 | 1.425,80 | 1.583,90 | 1.754,00 | 2.038,40 | 2.318,30 | | | | | | | | |
| 90 T4 (A6:6) | | | | | | 2.394,80 | 2.564,90 | 2.849,30 | 3.129,30 | 3.452,30 | 3.979,10 | 4.666,10 | | | | | |
| 90 T4 (A6:3) | | | | | | 2.165,10 | 2.335,30 | 2.619,70 | 2.899,70 | 3.222,70 | 3.749,40 | 4.436,40 | | | | | |
| 100 T4 (A6:6) | | | | | | | | 3.012,30 | 3.292,20 | 3.615,30 | 4.142,10 | 4.829,10 | 5.397,60 | 5.914,00 | | | |
| 100 T4 (A6:3) | | | | | | | | 2.782,70 | 3.062,70 | 3.385,70 | 3.912,40 | 4.599,40 | 5.168,00 | 5.684,40 | | | |
| 112 T4 (A6:6) | | | | | | | | 3.572,90 | 3.853,00 | 4.176,00 | 4.702,70 | 5.389,80 | 5.958,30 | 6.474,80 | 7.754,10 | 8.649,50 | |
| 112 T4 (A6:3) | | | | | | | | 3.343,40 | 3.623,40 | 3.946,50 | 4.473,20 | 5.160,20 | 5.728,60 | 6.245,10 | 7.524,50 | 8.419,80 | |
| 125 T4 (A6:6) | | | | | | | | | 4.046,20 | 4.369,30 | 4.896,00 | 5.583,00 | 6.151,50 | 6.667,90 | 7.947,20 | 8.842,70 | 9.979,90 |
| 125 T4 (A6:3) | | | | | | | | | 3.816,60 | 4.139,60 | 4.666,30 | 5.353,40 | 5.922,00 | 6.438,30 | 7.717,70 | 8.613,20 | 9.750,30 |

HBFX F300 | THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | |
|-----------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| 45 T6 (A2:9) | 989,10 | | | | | | | | | | |
| 45 T6 (A2:6) | 919,90 | | | | | | | | | | |
| 50 T6 (A2:9) | 1.046,30 | | | | | | | | | | |
| 50 T6 (A2:6) | 977,00 | | | | | | | | | | |
| 56 T6 (A2:9) | 1.079,90 | | | | | | | | | | |
| 56 T6 (A2:6) | 1.010,70 | 1.139,90 | | | | | | | | | |
| 63 T6 (A2:9) | 1.132,40 | 1.261,70 | | | | | | | | | |
| 63 T6 (A2:6) | 1.063,00 | 1.192,40 | | | | | | | | | |
| 71 T6 (A2:9) | 1.185,20 | 1.314,50 | 1.354,20 | | | | | | | | |
| 71 T6 (A2:6) | 1.115,90 | 1.245,20 | 1.285,00 | | | | | | | | |
| 80 T6 (A2:9) | 1.258,50 | 1.387,80 | 1.427,50 | 1.543,30 | 1.750,20 | | | | | | |
| 80 T6 (A2:6) | 1.189,20 | 1.318,50 | 1.358,20 | 1.474,20 | 1.680,80 | | | | | | |
| 90 T6 (A6:6) | | 2.129,40 | 2.169,20 | 2.285,00 | 2.491,80 | 2.702,90 | 2.978,50 | | | | |
| 90 T6 (A6:3) | | 1.899,80 | 1.939,60 | 2.055,40 | 2.262,20 | 2.473,20 | 2.749,00 | | | | |
| 100 T6 (A6:6) | | | 2.332,20 | 2.448,00 | 2.654,80 | 2.865,80 | 3.141,50 | 3.516,30 | 4.097,70 | | |
| 100 T6 (A6:3) | | | 2.102,60 | 2.218,40 | 2.425,10 | 2.636,20 | 2.911,90 | 3.286,60 | 3.868,10 | | |
| 112 T6 (A6:6) | | | | 3.008,70 | 3.215,40 | 3.426,50 | 3.702,20 | 4.076,90 | 4.658,40 | 5.567,30 | |
| 112 T6 (A6:3) | | | | 2.779,10 | 2.985,90 | 3.196,90 | 3.472,50 | 3.847,30 | 4.428,80 | 5.337,60 | |
| 125 T6 (A6:6) | | | | | 3.408,70 | 3.619,80 | 3.895,40 | 4.270,20 | 4.851,60 | 5.760,50 | 6.385,00 |
| 125 T6 (A6:3) | | | | | 3.179,10 | 3.390,10 | 3.665,90 | 4.040,50 | 4.622,10 | 5.530,80 | 6.155,40 |

HBFX F300 | THREE PHASE RANGE 2 SPEEDS 4/8 POLE | SERIE TRIFÁSICA 2 VELOCIDADES 4/8 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | | |
|------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|
| | 0,6/0,15 | 0,8/0,2 | 1,2/0,3 | 1,6/0,4 | 2,2/0,55 | 2,8/0,7 | 3,8/1 | 5/1,3 | 7,2/1,8 | 11/3 | 15/3,8 | 18,5/4,8 | 24/6 | 30/7 | 37/8,5 |
| 45 T4/T8 (A2:6) | 868,90 | 925,20 | | | | | | | | | | | | | |
| 45 T4/T8 (A2:9) | 938,10 | 994,40 | | | | | | | | | | | | | |
| 50 T4/T8 (A2:6) | 926,00 | 982,20 | 1.078,70 | | | | | | | | | | | | |
| 50 T4/T8 (A2:9) | 995,30 | 1.051,60 | 1.147,80 | | | | | | | | | | | | |
| 56 T4/T8 (A2:6) | 959,50 | 1.016,00 | 1.112,20 | 1.163,30 | 1.321,20 | | | | | | | | | | |
| 56 T4/T8 (A2:9) | 1.028,90 | 1.085,10 | 1.181,50 | 1.232,70 | 1.390,30 | | | | | | | | | | |
| 63 T4/T8 (A2:6) | 1.012,00 | 1.068,30 | 1.164,70 | 1.215,80 | 1.373,50 | 1.495,00 | | | | | | | | | |
| 63 T4/T8 (A2:9) | 1.081,20 | 1.137,60 | 1.233,80 | 1.285,10 | 1.442,80 | 1.564,20 | | | | | | | | | |
| 71 T4/T8 (A2:6) | | 1.121,20 | 1.217,60 | 1.268,70 | 1.426,30 | 1.547,80 | 1.894,30 | | | | | | | | |
| 71 T4/T8 (A2:9) | | 1.190,50 | 1.286,70 | 1.337,90 | 1.495,70 | 1.617,10 | 1.963,50 | | | | | | | | |
| 80 T4/T8 (A2:6) | | | 1.290,70 | 1.342,00 | 1.499,70 | 1.621,10 | 1.967,50 | 2.280,90 | 2.674,50 | | | | | | |
| 80 T4/T8 (A2:9) | | | 1.360,10 | 1.411,20 | 1.569,00 | 1.690,40 | 2.036,80 | 2.350,10 | 2.743,80 | | | | | | |
| 90 T4/T8 (A6:3) | | | | | | 2.202,50 | 2.548,80 | 2.862,20 | 3.255,80 | 3.870,50 | 4.743,20 | | | | |
| 90 T4/T8 (A6:6) | | | | | | 2.432,00 | 2.778,50 | 3.091,90 | 3.485,50 | 4.100,20 | 4.972,80 | | | | |
| 100 T4/T8 (A6:3) | | | | | | | 2.711,80 | 3.025,20 | 3.418,80 | 4.033,50 | 4.906,20 | 5.720,20 | | | |
| 100 T4/T8 (A6:6) | | | | | | | 2.941,50 | 3.254,90 | 3.648,50 | 4.263,20 | 5.135,80 | 5.949,80 | 7.457,40 | | |
| 112 T4/T8 (A6:3) | | | | | | | 3.272,60 | 3.585,90 | 3.979,60 | 4.594,20 | 5.466,80 | 6.281,00 | 7.788,50 | 8.710,20 | 9.662,10 |
| 112 T4/T8 (A6:6) | | | | | | | 3.502,10 | 3.815,50 | 4.209,20 | 4.823,70 | 5.696,40 | 6.510,60 | 8.018,00 | 8.939,80 | 9.891,80 |
| 125 T4/T8 (A6:3) | | | | | | | | 3.779,20 | 4.172,70 | 4.787,40 | 5.660,10 | 6.474,10 | 7.981,70 | 8.903,50 | 9.855,30 |
| 125 T4/T8 (A6:6) | | | | | | | | 4.008,80 | 4.402,40 | 5.017,10 | 5.889,70 | 6.703,80 | 8.211,40 | 9.133,00 | 10.084,90 |

SMOKE EXHAUST | INSIDE DESENFUMAJE | INMERSOS 400°C/2h, 300°C/2h, 200°C/2h

Homologación oficial APPLUS según norma EN 12101-3:2015.

HBF F200

Axial fan F200

Ventilador helicoidal F200



HBF



MANUFACTURING FEATURES

- Axial fan with circular reinforced frame.
- Modular motor-impeller assembly.
- Impeller in aluminum injection with reinforced body. Protected against corrosion by powder coating of epoxy-polyester resin.
- HBFX with protection ring made of aluminium.
- Standard asynchronous squirrel cage motor with IP-55 protection and Class H insulation certified 200°C/2h. Standard voltages 230/400V 50Hz in three phase motors up to 3kW and 400/690V 50Hz for higher powers. IE3 efficiency motor from 0,75kW up to 45kW in single speed.

APPLICATIONS

Designed for wall or duct installation, they are suitable for:

- Smoke emergency exhaust with motor inside the hazardous area.
- Maximum working temperature: 60°C.

UNDER REQUEST

- B Form impeller (air flow from impeller to motor). 5% additional cost.
- 100% reversible impeller. 5% additional cost.

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador helicoidal de marco redondo reforzado.
- Montaje modular del conjunto motor hélice.
- Hélice en inyección de aluminio con nervio intermedio. Protegidos contra la corrosión mediante recubrimiento en polvo de resina epoxy-poliéster.
- Anillo de protección en aluminio para HBFX.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase H certificado 200°C/2h. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 3kW y 400/690V 50Hz para potencias superiores. Motor de eficiencia IE3 desde 0,75kW hasta 45kW de una velocidad.

APLICACIONES

Diseñados para montaje en pared o en conducto, son indicados para:

- Extracción de humo en caso de incendio estando el motor dentro de la zona de riesgo.
- Temperatura máxima de trabajo en continuo: 60°C.

BAJO DEMANDA

- Hélice impelente (sentido de aire hélice-motor). Incremento 5% sobre PVP.
- Hélice reversible 100%. Incremento 5% sobre PVP.

ACCESSORIES | ACCESORIOS



INT 400 pg.434

Connexion flange.
Brida de conexión.



INT pg.434

Safety switch.
Interruptor de corte.



AC pg.411

Connexion flange.
Brida de conexión.



BA-400 pg.416

Anti-vibrating flange 400°/2h.
flexible.
Brida antivibratoria 400°/2h.



SFC pg.433

Speed controller for single phase motors. Regulador de velocidad monofásico.



MC HB pg.415

Square mounting frame.
Marco soporte cuadrado.



PC2 pg.402

Overpressure damper for facade.
Rejilla de sobrepresión anti-retorno.



BAD pg.416

Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



JE 45 pg.416

Flexible joint.
Junta elástica.



RPO pg.396

Outlet protection guard.
Rejilla de protección.



RP1 pg.397

Inlet protection guard.
Rejilla de protección.

HBF F200

HBF F200 | THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|-----------------|-----------------------|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| 45 T4 (A2:6) | 712,40 | 727,00 | | | | | | | | | | | | | | |
| 45 T4 (A2:9) | 779,70 | 794,30 | | | | | | | | | | | | | | |
| 50 T4 (A2:6) | 762,80 | 777,40 | 831,00 | 905,90 | | | | | | | | | | | | |
| 50 T4 (A2:9) | 830,10 | 844,70 | 898,20 | 973,20 | | | | | | | | | | | | |
| 56 T4 (A2:6) | 792,50 | 807,10 | 860,70 | 935,60 | 1.060,60 | | | | | | | | | | | |
| 56 T4 (A2:9) | 859,70 | 874,40 | 927,90 | 1.002,90 | 1.127,70 | | | | | | | | | | | |
| 63 T4 (A2:6) | 838,80 | 853,40 | 906,90 | 981,90 | 1.106,80 | 1.239,00 | | | | | | | | | | |
| 63 T4 (A2:9) | 905,90 | 920,50 | 974,10 | 1.049,10 | 1.174,00 | 1.306,20 | | | | | | | | | | |
| 71 T4 (A2:6) | 885,40 | 900,00 | 953,50 | 1.028,60 | 1.153,40 | 1.285,70 | 1.414,80 | | | | | | | | | |
| 71 T4 (A2:9) | 952,60 | 967,20 | 1.020,80 | 1.095,80 | 1.220,70 | 1.352,80 | 1.482,10 | | | | | | | | | |
| 80 T4 (A2:6) | | | 1.018,20 | 1.093,30 | 1.218,10 | 1.350,40 | 1.479,50 | 1.742,10 | 1.967,30 | | | | | | | |
| 80 T4 (A2:9) | | | 1.085,50 | 1.160,40 | 1.285,40 | 1.417,50 | 1.546,80 | 1.809,30 | 2.034,50 | | | | | | | |
| 90 T4 (A6:3) | | | | | | 1.898,80 | 2.028,00 | 2.290,60 | 2.515,80 | 3.291,20 | 3.528,20 | | | | | |
| 90 T4 (A6:6) | | | | | | 2.121,80 | 2.250,90 | 2.513,50 | 2.738,70 | 3.514,10 | 3.751,20 | | | | | |
| 100 T4 (A6:3) | | | | | | | | 2.434,40 | 2.659,60 | 3.435,10 | 3.672,10 | 4.794,60 | 5.160,00 | | | |
| 100 T4 (A6:6) | | | | | | | | 2.657,40 | 2.882,60 | 3.658,00 | 3.895,00 | 5.017,60 | 5.382,90 | | | |
| 112 T4 (A6:3) | | | | | | | | 2.929,30 | 3.154,50 | 3.929,90 | 4.167,00 | 5.289,60 | 5.654,80 | 6.698,20 | 8.291,50 | |
| 112 T4 (A6:6) | | | | | | | | 3.152,20 | 3.377,40 | 4.152,80 | 4.389,80 | 5.512,40 | 5.877,80 | 6.921,10 | 8.514,40 | |
| 125 T4 (A6:3) | | | | | | | | 3.325,00 | 3.550,20 | 4.337,50 | 4.574,50 | 5.460,00 | 5.825,40 | 6.868,80 | 8.462,10 | 9.380,80 |
| 125 T4 (A6:6) | | | | | | | | 3.548,00 | 3.773,20 | 4.560,40 | 4.797,40 | 5.683,00 | 6.048,30 | 7.091,70 | 8.685,00 | 9.603,80 |

HBF F200 | THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | |
|-----------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 |
| 45 T4 (A2:6) | 741,10 | | | | | | | | | | | | |
| 45 T4 (A2:9) | 808,20 | | | | | | | | | | | | |
| 50 T4 (A2:6) | 791,50 | | | | | | | | | | | | |
| 50 T4 (A2:9) | 858,60 | | | | | | | | | | | | |
| 56 T4 (A2:6) | 821,10 | | | | | | | | | | | | |
| 56 T4 (A2:9) | 888,30 | | | | | | | | | | | | |
| 63 T4 (A2:6) | 867,30 | 967,60 | | | | | | | | | | | |
| 63 T4 (A2:9) | 934,60 | 1.034,80 | | | | | | | | | | | |
| 71 T4 (A2:6) | 914,00 | 1.014,20 | 1.046,10 | 1.175,10 | | | | | | | | | |
| 71 T4 (A2:9) | 981,20 | 1.081,50 | 1.113,30 | 1.242,30 | | | | | | | | | |
| 80 T4 (A2:6) | 978,70 | 1.078,90 | 1.110,80 | 1.239,80 | 1.386,00 | | | | | | | | |
| 80 T4 (A2:9) | 1.045,90 | 1.146,20 | 1.178,00 | 1.307,00 | 1.453,10 | | | | | | | | |
| 90 T4 (A6:3) | | 1.627,30 | 1.659,20 | 1.788,30 | 1.934,40 | 2.267,10 | 2.372,40 | | | | | | |
| 90 T4 (A6:6) | | 1.850,30 | 1.882,10 | 2.011,20 | 2.157,40 | 2.490,00 | 2.595,40 | | | | | | |
| 100 T4 (A6:3) | | | | | | 2.410,90 | 2.516,30 | 2.758,60 | 3.401,30 | | | | |
| 100 T4 (A6:6) | | | | | | 2.633,90 | 2.739,20 | 2.981,50 | 3.624,30 | | | | |
| 112 T4 (A6:3) | | | | | | 2.905,80 | 3.011,10 | 3.253,40 | 3.896,30 | 4.518,50 | | | |
| 112 T4 (A6:6) | | | | | | 3.128,70 | 3.234,10 | 3.476,40 | 4.119,20 | 4.741,40 | | | |
| 125 T4 (A6:3) | | | | | | 3.076,30 | 3.181,70 | 3.424,00 | 4.066,80 | 4.689,10 | 5.477,80 | 6.731,00 | 6.999,50 |
| 125 T4 (A6:6) | | | | | | 3.299,30 | 3.404,60 | 3.646,90 | 4.289,80 | 4.912,00 | 5.700,80 | 6.954,00 | 7.222,30 |

HBF F200 | THREE PHASE RANGE 2 SPEEDS 4/8 POLE | SERIE TRIFÁSICA 2 VELOCIDADES 4/8 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | | |
|------------------|-----------------------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,15/0,60 | 0,20/0,80 | 0,30/1,2 | 0,40/1,6 | 0,55/2,2 | 0,70/2,8 | 1,0/3,8 | 1,3/5,0 | 1,8/7,2 | 3,0/11 | 3,5/14 | 4,3/17 | 5,0/20 | 6,5/28 | 8,0/30 | 9,2/37 | 11/44 |
| 45 T4/T8 (A2:6) | 679,50 | 714,40 | | | | | | | | | | | | | | | |
| 45 T4/T8 (A2:9) | 746,60 | 781,60 | | | | | | | | | | | | | | | |
| 50 T4/T8 (A2:6) | 729,90 | 764,80 | 828,90 | | | | | | | | | | | | | | |
| 50 T4/T8 (A2:9) | 797,10 | 832,00 | 896,10 | | | | | | | | | | | | | | |
| 56 T4/T8 (A2:6) | 759,60 | 794,50 | 858,50 | 892,40 | 997,10 | 1.077,70 | | | | | | | | | | | |
| 56 T4/T8 (A2:9) | 826,80 | 861,60 | 925,80 | 959,70 | 1.064,30 | 1.144,90 | | | | | | | | | | | |
| 63 T4/T8 (A2:6) | 805,70 | 840,70 | 904,80 | 938,60 | 1.043,40 | 1.124,00 | | | | | | | | | | | |
| 63 T4/T8 (A2:9) | 873,00 | 907,90 | 972,10 | 1.005,90 | 1.110,60 | 1.191,20 | | | | | | | | | | | |
| 71 T4/T8 (A2:6) | 852,40 | 887,40 | 951,50 | 985,30 | 1.090,00 | 1.170,60 | 1.400,90 | | | | | | | | | | |
| 71 T4/T8 (A2:9) | 919,70 | 954,60 | 1.018,60 | 1.052,50 | 1.157,20 | 1.237,90 | 1.468,10 | | | | | | | | | | |
| 80 T4/T8 (A2:6) | | | 1.016,20 | 1.050,00 | 1.154,60 | 1.235,30 | 1.465,60 | 1.696,90 | 1.962,90 | | | | | | | | |
| 80 T4/T8 (A2:9) | | | 1.083,30 | 1.117,20 | 1.221,90 | 1.302,50 | 1.532,80 | 1.764,20 | 2.030,20 | | | | | | | | |
| 90 T4/T8 (A6:3) | | | | | 1.703,20 | 1.783,80 | 2.014,00 | 2.245,30 | 2.511,30 | 2.846,90 | 3.244,60 | | | | | | |
| 90 T4/T8 (A6:6) | | | | | 1.926,00 | 2.006,70 | 2.236,90 | 2.468,30 | 2.734,30 | 3.069,80 | 3.467,50 | | | | | | |
| 100 T4/T8 (A6:3) | | | | | | | | 2.389,20 | 2.655,20 | 2.990,70 | 3.388,50 | 4.045,90 | 4.137,90 | | | | |
| 100 T4/T8 (A6:6) | | | | | | | | 2.612,10 | 2.878,10 | 3.213,70 | 3.611,30 | 4.268,90 | 4.360,90 | | | | |
| 112 T4/T8 (A6:3) | | | | | | | | 2.884,10 | 3.150,10 | 3.485,60 | 3.883,30 | 4.540,90 | 4.632,80 | 5.566,30 | 6.261,60 | 8.074,40 | 8.761,70 |
| 112 T4/T8 (A6:6) | | | | | | | | 3.107,10 | 3.373,00 | 3.708,50 | 4.106,30 | 4.763,80 | 4.855,70 | 5.789,20 | 6.484,60 | 8.297,40 | 8.984,60 |
| 125 T4/T8 (A6:3) | | | | | | | | | 3.320,60 | 3.656,10 | 4.053,90 | 4.711,40 | 4.803,30 | 5.736,80 | 6.432,20 | 8.245,00 | 8.932,30 |
| 125 T4/T8 (A6:6) | | | | | | | | | 3.543,50 | 3.879,10 | 4.276,80 | 4.934,30 | 5.026,30 | 5.959,70 | 6.655,20 | 8.468,00 | 9.155,20 |

SMOKE EXHAUST | INSIDE DESENFUMAJE | INMERSOS 400°C/2h, 300°C/2h, 200°C/2h

Homologación oficial APPLUS según norma EN 12101-3:2015.

HCF | HCFX F400

Short cased axial fan F400

Helicoidal tubular de camisa corta F400



| MANUFACTURING FEATURES

- Short cased reinforced fan manufactured in rolling steel sheet.
- Modular motor-impeller assembly.
- Impeller in aluminum injection with reinforced body. Protected against corrosion by powder coating of epoxy-polyester resin.

HCF F400

Standard asynchronous squirrel-cage motor. IP-55 protection and class H insulation certified 400°C/2h. Manufactured with standard voltages 230/400V 50Hz in three phase motors up to 3kW and 400/690V 50Hz for higher powers. IE3 efficiency motor from 0,75kW up to 45kW in single speed.

HCFX F400

- With protection ring made of aluminium.
- ATEX II3G.
- Standard asynchronous squirrel-cage motor. IP-55 protection and class H insulation certified 400°C/2h. Manufactured with standard voltages 230/400V 50Hz in three phase motors up to 3kW and 400/690V 50Hz for higher powers. IE3 efficiency motor from 0,75kW up to 45kW in single speed.

| APPLICATIONS

Designed for duct installation, they are suitable for:

- Smoke emergency exhaust with motor inside the hazardous area.
- Maximum working temperature: 60°C.

| UNDER REQUEST

- B-form impeller (air from impeller to motor). 5% additional cost.
- 100% reversible impeller. 5% additional cost.
- Different polarities.

| CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador tubular de camisa corta y estructura reforzada.
- Montaje modular del conjunto motor hélice.
- Hélice en inyección de aluminio. Protegidos contra la corrosión mediante recubrimiento en polvo de resina epoxy-poliéster.

HCF F400

Motor asincrónico normalizado de jaula de ardilla con protección IP-55 y aislamiento clase H certificado 400°C/2h. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 3kW y 400/690V 50Hz para potencias superiores. Motor de eficiencia IE3 desde 0,75kW hasta 45kW de una velocidad.

HCFX F400

- Anillo de protección en aluminio.
- ATEX II3G.
- Motor asincrónico normalizado de jaula de ardilla con protección IP-55 y aislamiento clase H certificado 400°C/2h. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 3kW y 400/690V 50Hz para potencias superiores. Motor de eficiencia IE3 desde 0,75kW hasta 45kW de una velocidad.

| APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Extracción de humo en caso de incendio estando el motor dentro de la zona de riesgo.
- Temperatura máxima de trabajo en continuo: 60°C.

| BAJO DEMANDA

- Hélice impelente (sentido de aire hélice-motor). Incremento 5% sobre PVP
- Hélice reversible 100%. Incremento 5% sobre PVP
- Distintas polaridades.

ACCESSORIES | ACCESORIOS



INT 400 pg.434

Connexion flange.
Brida de conexión.



BA-400 pg.416

Anti-vibrating flange 400°/2h.
flexible.
Brida antivibratoria 400°/2h.



BAD pg.416

Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



INT pg.434

Safety switch.
Interruptor de corte.



SFC pg.433

Speed controller for single phase motors.Regulador de velocidad monofásico.



JE 45 pg.416

Flexible joint.
Junta elástica.



AC pg.411

Connexion flange.
Brida de conexión.



MC HB pg.415

Square mounting frame.
Marco soporte cuadrado.



RPO pg.396

Outlet protection guard.
Rejilla de protección.



INT ATEX pg.434

Switch for ATEX environments.
Interruptor para funcionar en entornos ATEX.



PC2 pg.402

Overpressure damper for facade.
Rejilla de sobrepresión antirretorno.



RP1 pg.397

Inlet protection guard.
Rejilla de protección.

HCF F400

HCF F400 | THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|-----------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|
| | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| 45 T4 (A5:6) | 1.307,40 | | | | | | | | | | | | | | | |
| 50 T4 (A5:6) | 1.365,00 | | | | | | | | | | | | | | | |
| 56 T4 (A5:6) | 1.395,30 | 1.496,30 | 1.654,30 | | | | | | | | | | | | | |
| 63 T4 (A5:6) | 1.442,50 | 1.543,60 | 1.701,50 | 1.868,00 | | | | | | | | | | | | |
| 71 T4 (A5:6) | 1.520,30 | 1.621,40 | 1.779,40 | 1.945,80 | 2.126,60 | | | | | | | | | | | |
| 80 T4 (A5:6) | | | | 2.008,10 | 2.189,00 | 2.318,30 | | | | | | | | | | |
| 90 T4 (A3:8) | | | | | 3.295,40 | 3.424,80 | 3.954,50 | 4.213,10 | 4.643,70 | 5.124,40 | 5.863,50 | | | | | |
| 90 T4 (A3:4) | | | | | 3.018,50 | 3.147,70 | 3.677,60 | 3.936,00 | 4.366,80 | 4.847,30 | 5.586,50 | | | | | |
| 100 T4 (A3:8) | | | | | | | 4.116,10 | 4.374,60 | 4.805,30 | 5.286,10 | 6.025,10 | 6.807,00 | 7.366,10 | | | |
| 100 T4 (A3:4) | | | | | | | 3.839,10 | 4.097,60 | 4.528,30 | 5.009,10 | 5.748,20 | 6.530,00 | 7.089,00 | | | |
| 112 T4 (A3:8) | | | | | | | | 4.997,30 | 5.428,20 | 5.908,80 | 6.647,90 | 7.429,70 | 7.988,90 | 9.533,40 | 10.997,40 | |
| 112 T4 (A3:4) | | | | | | | | 4.720,30 | 5.151,20 | 5.631,70 | 6.370,90 | 7.152,70 | 7.711,80 | 9.256,30 | 10.720,40 | |
| 125 T4 (A3:8) | | | | | | | | | | 6.103,60 | 6.842,80 | 7.624,50 | 8.183,60 | 9.728,20 | 11.192,30 | 11.917,20 |
| 125 T4 (A3:4) | | | | | | | | | | 5.826,60 | 6.565,70 | 7.347,60 | 7.906,70 | 9.451,20 | 10.915,20 | 11.640,20 |

HCF F400 | THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | |
|-----------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| 45 T6 (A5:6) | 1.516,60 | | | | | | | | | |
| 50 T6 (A5:6) | 1.574,10 | | | | | | | | | |
| 56 T6 (A5:6) | 1.604,30 | | | | | | | | | |
| 63 T6 (A5:6) | 1.651,70 | | | | | | | | | |
| 71 T6 (A5:6) | 1.729,50 | | | | | | | | | |
| 80 T6 (A5:6) | 1.791,90 | 1.855,20 | 2.145,60 | 2.222,10 | | | | | | |
| 90 T6 (A3:8) | | | 3.252,00 | 3.328,70 | 3.771,60 | 3.604,90 | 4.290,50 | | | |
| 90 T6 (A3:4) | | | 2.975,00 | 3.051,60 | 3.494,60 | 3.327,90 | 4.013,50 | | | |
| 100 T6 (A3:8) | | | 3.413,60 | 3.490,20 | 3.933,30 | 3.766,60 | 4.452,20 | 5.708,40 | | |
| 100 T6 (A3:4) | | | 3.136,70 | 3.213,30 | 3.656,30 | 3.489,60 | 4.175,20 | 5.431,60 | | |
| 112 T6 (A3:8) | | | | 4.113,00 | 4.556,10 | 4.389,30 | 5.074,90 | 6.331,30 | 6.996,00 | |
| 112 T6 (A3:4) | | | | 3.835,90 | 4.279,00 | 4.112,30 | 4.797,80 | 6.054,20 | 6.719,00 | |
| 125 T6 (A3:8) | | | | | 4.750,90 | 4.584,10 | 5.269,70 | 6.526,10 | 7.190,80 | 8.043,60 |
| 125 T6 (A3:4) | | | | | 4.473,90 | 4.307,20 | 4.992,70 | 6.249,10 | 6.913,80 | 7.766,60 |

HCF F400 | THREE PHASE RANGE 2 SPEEDS 4/8 POLE | SERIE TRIFÁSICA 2 VELOCIDADES 4/8 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|------|
| | 0,75/0,12 | 1,1/0,18 | 1,5/0,25 | 2,2/0,37 | 3/0,55 | 4/0,75 | 5,5/1,1 | 7,5/1,5 | 10/2 | 14/3 | 16,5/3,3 | 20/4 | 27/5,4 | 30/6,5 | 35/7,5 | 40/8 |
| 45 T4/T8 (A5:6) | 1.569,10 | | | | | | | | | | | | | | | |
| 50 T4/T8 (A5:6) | 1.626,70 | | | | | | | | | | | | | | | |
| 56 T4/T8 (A5:6) | 1.656,80 | 1.793,00 | 1.835,70 | | | | | | | | | | | | | |
| 63 T4/T8 (A5:6) | 1.704,20 | 1.840,30 | 1.883,00 | 1.968,30 | | | | | | | | | | | | |
| 71 T4/T8 (A5:6) | 1.782,00 | 1.918,10 | 1.960,80 | 2.046,10 | 2.354,00 | | | | | | | | | | | |
| 80 T4/T8 (A5:6) | | | | 2.108,40 | 2.416,50 | 2.501,80 | | | | | | | | | | |
| 90 T4/T8 (A3:4) | | | | | 3.246,00 | 3.331,30 | 3.885,50 | 4.435,20 | 5.003,70 | | | | | | | |
| 90 T4/T8 (A3:8) | | | | | | | 4.162,60 | 4.712,10 | 5.280,80 | 6.545,80 | 7.697,60 | | | | | |
| 100 T4/T8 (A3:4) | | | | | | | 4.047,20 | 4.596,80 | 5.165,50 | 6.430,50 | 7.582,30 | | | | | |
| 100 T4/T8 (A3:8) | | | | | | | | | 5.442,40 | 6.707,40 | 7.859,30 | 8.099,10 | | | | |
| 112 T4/T8 (A3:4) | | | | | | | | 5.219,60 | 5.788,10 | 7.053,20 | 8.205,00 | 8.444,80 | | | | |
| 112 T4/T8 (A3:8) | | | | | | | | | 7.330,20 | 8.482,00 | 8.721,70 | 10.712,80 | 12.199,50 | 15.035,50 | | |
| 125 T4/T8 (A3:4) | | | | | | | | | 5.983,00 | 7.248,00 | 8.399,90 | 8.639,70 | 10.630,70 | 12.117,50 | 14.953,40 | |
| 125 T4/T8 (A3:8) | | | | | | | | | | 8.676,80 | 8.916,60 | 10.907,70 | 12.394,40 | 15.230,30 | 16.586,50 | |

HCFX F400

HCFX F400 | THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|-----------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|
| | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| 45 T4 (A5:6) | 1.323,60 | | | | | | | | | | | | | | | |
| 50 T4 (A5:6) | 1.387,00 | | | | | | | | | | | | | | | |
| 56 T4 (A5:6) | 1.420,20 | 1.521,30 | 1.679,30 | | | | | | | | | | | | | |
| 63 T4 (A5:6) | 1.472,30 | 1.573,40 | 1.731,20 | 1.897,70 | | | | | | | | | | | | |
| 71 T4 (A5:6) | 1.557,80 | 1.659,00 | 1.816,80 | 1.983,30 | 2.164,20 | | | | | | | | | | | |
| 80 T4 (A5:6) | | | | 2.051,90 | 2.232,80 | 2.362,10 | | | | | | | | | | |
| 90 T4 (A3:8) | | | | | 3.355,40 | 3.484,60 | 4.014,50 | 4.272,80 | 4.703,60 | 5.184,20 | 5.923,40 | | | | | |
| 90 T4 (A3:4) | | | | | 3.078,40 | 3.207,70 | 3.737,40 | 3.995,80 | 4.426,60 | 4.907,20 | 5.646,30 | | | | | |
| 100 T4 (A3:8) | | | | | | | 4.192,20 | 4.450,60 | 4.881,40 | 5.362,00 | 6.101,10 | 6.883,00 | 7.442,10 | | | |
| 100 T4 (A3:4) | | | | | | | 3.915,20 | 4.173,60 | 4.604,40 | 5.085,10 | 5.824,20 | 6.606,00 | 7.165,00 | | | |
| 112 T4 (A3:8) | | | | | | | | 5.135,70 | 5.566,30 | 6.047,10 | 6.786,20 | 7.568,00 | 8.127,10 | 9.671,70 | 11.135,70 | |
| 112 T4 (A3:4) | | | | | | | | 4.858,60 | 5.289,50 | 5.770,10 | 6.509,20 | 7.291,10 | 7.850,10 | 9.394,70 | 10.858,70 | |
| 125 T4 (A3:8) | | | | | | | | | | 6.261,30 | 7.000,50 | 7.782,30 | 8.341,40 | 9.885,90 | 11.350,00 | 12.074,90 |
| 125 T4 (A3:4) | | | | | | | | | | 5.984,40 | 6.723,50 | 7.505,30 | 8.064,40 | 9.608,90 | 11.072,90 | 11.798,00 |

HCFX F400 | THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | |
|-----------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| 45 T6 (A5:6) | 1.532,70 | | | | | | | | | |
| 50 T6 (A5:6) | 1.596,10 | | | | | | | | | |
| 56 T6 (A5:6) | 1.629,40 | | | | | | | | | |
| 63 T6 (A5:6) | 1.681,40 | | | | | | | | | |
| 71 T6 (A5:6) | 1.767,00 | | | | | | | | | |
| 80 T6 (A5:6) | 1.835,70 | 1.899,00 | 2.189,30 | 2.265,90 | | | | | | |
| 90 T6 (A3:8) | | | 3.311,80 | 3.388,50 | 3.831,50 | 3.664,70 | 4.350,30 | | | |
| 90 T6 (A3:4) | | | 3.034,80 | 3.111,50 | 3.554,50 | 3.387,80 | 4.073,30 | | | |
| 100 T6 (A3:8) | | | 3.489,60 | 3.566,30 | 4.009,30 | 3.842,50 | 4.528,10 | 5.784,50 | | |
| 100 T6 (A3:4) | | | 3.212,60 | 3.289,30 | 3.732,30 | 3.565,60 | 4.251,20 | 5.507,50 | | |
| 112 T6 (A3:8) | | | | 4.251,30 | 4.694,30 | 4.527,60 | 5.213,20 | 6.469,60 | 7.134,30 | |
| 112 T6 (A3:4) | | | | 3.974,30 | 4.417,40 | 4.250,60 | 4.936,20 | 6.192,60 | 6.857,30 | |
| 125 T6 (A3:8) | | | | | 4.908,60 | 4.741,90 | 5.427,40 | 6.683,80 | 7.348,50 | 8.201,30 |
| 125 T6 (A3:4) | | | | | 4.631,60 | 4.464,90 | 5.150,50 | 6.406,90 | 7.071,50 | 7.924,40 |

HCFX F400 | THREE PHASE RANGE 2 SPEEDS 4/8 POLE | SERIE TRIFÁSICA 2 VELOCIDADES 4/8 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|
| | 0,8/0,2 | 1,2/0,3 | 1,6/0,4 | 2,2/0,37 | 3,0/0,55 | 4,0/0,75 | 5,5/1,1 | 7,5/1,5 | 10/2 | 14/3 | 16,5/3,3 | 20/4 | 27/5,4 | 30/6,5 | 35/7,5 | 40/8 |
| 45 T4/T8 (A5:6) | 1.585,30 | | | | | | | | | | | | | | | |
| 50 T4/T8 (A5:6) | 1.648,70 | | | | | | | | | | | | | | | |
| 56 T4/T8 (A5:6) | 1.681,90 | 1.818,10 | 1.860,70 | | | | | | | | | | | | | |
| 63 T4/T8 (A5:6) | 1.733,90 | 1.870,00 | 1.912,70 | 1.998,00 | | | | | | | | | | | | |
| 71 T4/T8 (A5:6) | 1.819,50 | 1.955,60 | 1.998,30 | 2.083,60 | 2.391,60 | | | | | | | | | | | |
| 80 T4/T8 (A5:6) | | | | 2.152,30 | 2.460,30 | 2.545,60 | | | | | | | | | | |
| 90 T4/T8 (A3:4) | | | | | 3.305,80 | 3.391,10 | 3.945,40 | 4.495,10 | 5.063,60 | | | | | | | |
| 90 T4/T8 (A3:8) | | | | | | | 4.222,40 | 4.772,10 | 5.340,60 | 6.605,60 | 7.757,40 | | | | | |
| 100 T4/T8 (A3:4) | | | | | | | 4.123,10 | 4.672,80 | 5.241,40 | 6.506,40 | 7.658,30 | | | | | |
| 100 T4/T8 (A3:8) | | | | | | | | | 5.518,40 | 6.783,40 | 7.935,20 | 8.175,20 | | | | |
| 112 T4/T8 (A3:4) | | | | | | | | 5.357,90 | 5.926,50 | 7.191,50 | 8.343,30 | 8.583,00 | | | | |
| 112 T4/T8 (A3:8) | | | | | | | | | 7.468,50 | 8.620,30 | 8.860,10 | 10.851,10 | 12.337,90 | 15.173,80 | | |
| 125 T4/T8 (A3:4) | | | | | | | | | 6.140,80 | 7.405,70 | 8.557,60 | 8.797,50 | 10.788,40 | 12.275,20 | 15.111,10 | |
| 125 T4/T8 (A3:8) | | | | | | | | | | | 8.834,60 | 9.074,50 | 11.065,40 | 12.552,20 | 15.388,10 | 16.744,20 |

HCF | HCFX F300

Short cased axial fan F300

Helicoidal tubular de camisa corta F300

MANUFACTURING FEATURES

- Short cased reinforced fan manufactured in rolling steel sheet.
- Modular motor-impeller assembly.
- Impeller in aluminum injection with reinforced body. Protected against corrosion by powder coating of epoxy-polyester resin.

HCF F300

- Standard asynchronous squirrel-cage motor. IP-55 protection and class H insulation certified 300°C/2h. Manufactured with standard voltages 230/400V 50Hz in three phase motors up to 3kW and 400/690V 50Hz for higher powers. IE3 efficiency motor from 0,75kW up to 45kW in single speed.

HCFX F300

- With protection ring made of aluminium.
- ATEX II3G.
- Standard asynchronous squirrel-cage motor. IP-55 protection and class H insulation certified 300°C/2h. Manufactured with standard voltages 230/400V 50Hz in three phase motors up to 3kW and 400/690V 50Hz for higher powers. IE3 efficiency motor from 0,75kW up to 45kW in single speed.

APPLICATIONS

- Designed for duct installation, they are suitable for:
- Smoke emergency exhaust with motor inside the hazardous area.
 - Maximum working temperature: 60°C.

UNDER REQUEST

- B-form impeller (air from impeller to motor). 5% additional cost.
- 100% reversible impeller. 5% additional cost.
- Different polarities.

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador tubular de camisa corta y estructura reforzada.
- Montaje modular del conjunto motor hélice.
- Hélice en inyección de aluminio. Protegidos contra la corrosión mediante recubrimiento en polvo de resina epoxy-poliéster.

HCF F300

- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase H certificado 300°C/2h. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 3kW y 400/690V 50Hz para potencias superiores. Motor de eficiencia IE3 desde 0,75kW hasta 45kW de una velocidad.

HCFX F300

- Anillo de protección en aluminio.
- ATEX II3G.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase H certificado 300°C/2h. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 3kW y 400/690V 50Hz para potencias superiores. Motor de eficiencia IE3 desde 0,75kW hasta 45kW de una velocidad.

APLICACIONES

- Diseñados para instalación en conducto, son indicados para:
- Extracción de humo en caso de incendio estando el motor dentro de la zona de riesgo.
 - Temperatura máxima de trabajo en continuo: 60°C.

BAJO DEMANDA

- Hélice impelente (sentido de aire hélice-motor). Incremento 5% sobre PVP.
- Hélice reversible 100%. Incremento 5% sobre PVP.
- Distintas polaridades.



ACCESSORIES | ACCESORIOS



INT ATEX pg.434

Switch for ATEX environments.
Interruptor para funcionar en entornos ATEX.



INT pg.434

Safety switch.
Interruptor de corte.



AC pg.411

Connexion flange.
Brida de conexión.



INT 400 pg.434

Connexion flange.
Brida de conexión.



BA-400 pg.416

Anti-vibrating flange 400°/2h.
flexible.
Brida antivibratoria 400°/2h.



SFC pg.433

Speed controller for single phase motors.
Regulador de velocidad monofásico.



MC HB pg.415

Square mounting frame.
Marco soporte cuadrado.



PC2 pg.402

Overpressure damper for facade.
Rejilla de sobrepresión anti-retorno.



BAD pg.416

Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



JE 45 pg.416

Flexible joint.
Junta elástica.



RPO pg.396

Outlet protection guard.
Rejilla de protección.



RP1 pg.397

Inlet protection guard.
Rejilla de protección.

SMOKE EXHAUST | INSIDE
DESENFUMAJE | INMERSOS
400°C/2h, 300°C/2h, 200°C/2h

Homologación oficial APPLUS según norma EN 12101-3:2015.



HCF F300

HCF F300 | THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | | |
|-----------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|
| | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| 45 T4 (A2:9) | 927,40 | 930,50 | | | | | | | | | | | | | | | |
| 45 T4 (A2:6) | 858,00 | 861,10 | | | | | | | | | | | | | | | |
| 50 T4 (A2:9) | 984,90 | 988,00 | 1.000,40 | | | | | | | | | | | | | | |
| 50 T4 (A2:6) | 915,80 | 918,90 | 931,20 | | | | | | | | | | | | | | |
| 56 T4 (A2:9) | 1.015,10 | 1.018,20 | 1.030,50 | 1.062,40 | 1.310,30 | | | | | | | | | | | | |
| 56 T4 (A2:6) | 945,90 | 949,00 | 961,40 | 993,10 | 1.241,00 | | | | | | | | | | | | |
| 63 T4 (A2:9) | 1.062,40 | 1.065,50 | 1.077,80 | 1.109,70 | 1.357,60 | 1.515,70 | | | | | | | | | | | |
| 63 T4 (A2:6) | 993,30 | 996,30 | 1.008,70 | 1.040,50 | 1.288,40 | 1.446,30 | | | | | | | | | | | |
| 71 T4 (A2:9) | | 1.143,40 | 1.155,70 | 1.187,60 | 1.435,40 | 1.593,40 | 1.763,50 | | | | | | | | | | |
| 71 T4 (A2:6) | | 1.074,10 | 1.086,50 | 1.118,30 | 1.366,10 | 1.524,10 | 1.694,30 | | | | | | | | | | |
| 80 T4 (A2:9) | | | 1.218,20 | 1.250,10 | 1.497,90 | 1.655,80 | 1.825,90 | 2.110,40 | 2.390,40 | | | | | | | | |
| 80 T4 (A2:6) | | | 1.148,90 | 1.180,70 | 1.428,60 | 1.586,60 | 1.756,70 | 2.041,00 | 2.321,10 | | | | | | | | |
| 90 T4 (A6:6) | | | | | | 2.377,80 | 2.548,00 | 2.832,30 | 3.112,30 | 3.435,40 | 3.962,10 | 4.649,10 | | | | | |
| 90 T4 (A6:3) | | | | | | 2.148,20 | 2.318,30 | 2.602,70 | 2.882,70 | 3.205,70 | 3.732,40 | 4.419,60 | | | | | |
| 100 T4 (A6:6) | | | | | | | | 2.994,00 | 3.273,90 | 3.596,90 | 4.123,60 | 4.810,80 | 5.379,30 | 5.895,70 | | | |
| 100 T4 (A6:3) | | | | | | | | 2.764,40 | 3.044,30 | 3.367,40 | 3.894,10 | 4.581,10 | 5.149,60 | 5.666,10 | | | |
| 112 T4 (A6:6) | | | | | | | | 3.616,70 | 3.896,80 | 4.219,70 | 4.746,50 | 5.433,50 | 6.002,10 | 6.518,40 | 7.797,80 | 8.693,30 | |
| 112 T4 (A6:3) | | | | | | | | 3.387,10 | 3.667,10 | 3.990,10 | 4.516,80 | 5.203,90 | 5.772,40 | 6.288,90 | 7.568,20 | 8.463,70 | |
| 125 T4 (A6:6) | | | | | | | | | 4.091,60 | 4.414,50 | 4.941,40 | 5.628,30 | 6.196,90 | 6.713,30 | 7.992,70 | 8.888,10 | 10.025,20 |
| 125 T4 (A6:3) | | | | | | | | | 3.862,00 | 4.185,00 | 4.711,70 | 5.398,80 | 5.967,20 | 6.483,80 | 7.763,10 | 8.658,50 | 9.795,70 |

HCF F300 | THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | |
|-----------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| 45 T6 (A2:9) | 985,70 | | | | | | | | | | |
| 45 T6 (A2:6) | 916,60 | | | | | | | | | | |
| 50 T6 (A2:9) | 1.043,50 | | | | | | | | | | |
| 50 T6 (A2:6) | 974,10 | | | | | | | | | | |
| 56 T6 (A2:9) | 1.073,60 | | | | | | | | | | |
| 56 T6 (A2:6) | 1.004,40 | | | | | | | | | | |
| 63 T6 (A2:9) | 1.120,90 | 1.250,30 | | | | | | | | | |
| 63 T6 (A2:6) | 1.051,70 | 1.180,90 | | | | | | | | | |
| 71 T6 (A2:9) | 1.198,70 | 1.328,10 | 1.367,80 | | | | | | | | |
| 71 T6 (A2:6) | 1.129,50 | 1.258,80 | 1.298,50 | | | | | | | | |
| 80 T6 (A2:9) | 1.261,30 | 1.390,50 | 1.430,20 | 1.546,10 | 1.752,80 | | | | | | |
| 80 T6 (A2:6) | 1.191,90 | 1.321,30 | 1.360,90 | 1.476,80 | 1.683,60 | | | | | | |
| 90 T6 (A6:6) | | 2.112,40 | 2.152,30 | 2.268,10 | 2.474,80 | 2.685,90 | 2.961,50 | | | | |
| 90 T6 (A6:3) | | 1.882,90 | 1.922,60 | 2.038,50 | 2.245,20 | 2.456,30 | 2.732,00 | | | | |
| 100 T6 (A6:6) | | | 2.313,80 | 2.429,80 | 2.636,50 | 2.847,50 | 3.123,20 | 3.497,90 | 4.079,30 | | |
| 100 T6 (A6:3) | | | 2.084,30 | 2.200,10 | 2.406,80 | 2.617,90 | 2.893,50 | 3.268,30 | 3.849,80 | | |
| 112 T6 (A6:6) | | | | 3.052,40 | 3.259,20 | 3.470,40 | 3.746,00 | 4.120,70 | 4.702,10 | 5.610,90 | |
| 112 T6 (A6:3) | | | | 2.822,90 | 3.029,70 | 3.240,70 | 3.516,40 | 3.891,10 | 4.472,50 | 5.381,40 | |
| 125 T6 (A6:6) | | | | | 3.454,00 | 3.665,00 | 3.940,80 | 4.315,40 | 4.897,00 | 5.805,80 | 6.430,50 |
| 125 T6 (A6:3) | | | | | 3.224,40 | 3.435,50 | 3.711,10 | 4.085,90 | 4.667,30 | 5.576,20 | 6.200,80 |

HCF F300 | THREE PHASE RANGE 2 SPEEDS 4/8 POLE | SERIE TRIFÁSICA 2 VELOCIDADES 4/8 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|--|
| | 0,6/0,15 | 0,8/0,2 | 1,2/0,3 | 1,6/0,4 | 2,2/0,55 | 2,8/0,7 | 3,8/1 | 5/1,3 | 7,2/1,8 | 11/3 | 15/3,8 | 18,5/4,8 | 24/6 | 30/7 | 37/8,5 | |
| 45 T4/T8 (A2:6) | 865,60 | 921,80 | | | | | | | | | | | | | | |
| 45 T4/T8 (A2:9) | 934,70 | 991,10 | | | | | | | | | | | | | | |
| 50 T4/T8 (A2:6) | 923,10 | 979,50 | 1.075,80 | | | | | | | | | | | | | |
| 50 T4/T8 (A2:9) | 992,40 | 1.048,70 | 1.145,00 | | | | | | | | | | | | | |
| 56 T4/T8 (A2:6) | 953,20 | 1.009,60 | 1.105,90 | 1.157,10 | 1.314,90 | | | | | | | | | | | |
| 56 T4/T8 (A2:9) | 1.022,60 | 1.078,90 | 1.175,20 | 1.226,40 | 1.384,00 | | | | | | | | | | | |
| 63 T4/T8 (A2:6) | 1.000,60 | 1.056,90 | 1.153,30 | 1.204,40 | 1.362,20 | 1.483,70 | | | | | | | | | | |
| 63 T4/T8 (A2:9) | 1.069,90 | 1.126,20 | 1.222,50 | 1.273,70 | 1.431,40 | 1.552,80 | | | | | | | | | | |
| 71 T4/T8 (A2:6) | | 1.134,70 | 1.231,00 | 1.282,30 | 1.440,00 | 1.561,40 | 1.907,80 | | | | | | | | | |
| 71 T4/T8 (A2:9) | | 1.204,00 | 1.300,30 | 1.351,40 | 1.509,20 | 1.630,60 | 1.977,00 | | | | | | | | | |
| 80 T4/T8 (A2:6) | | | 1.293,50 | 1.344,70 | 1.502,40 | 1.623,80 | 1.970,20 | 2.283,60 | 2.677,20 | | | | | | | |
| 80 T4/T8 (A2:9) | | | 1.362,70 | 1.413,90 | 1.571,60 | 1.693,10 | 2.039,50 | 2.352,90 | 2.746,60 | | | | | | | |
| 90 T4/T8 (A6:3) | | | | | | 2.185,50 | 2.531,90 | 2.845,30 | 3.238,80 | 3.853,50 | 4.726,20 | | | | | |
| 90 T4/T8 (A6:6) | | | | | | 2.415,20 | 2.761,50 | 3.074,90 | 3.468,50 | 4.083,20 | 4.955,90 | | | | | |
| 100 T4/T8 (A6:3) | | | | | | | 2.693,50 | 3.006,90 | 3.400,50 | 4.015,20 | 4.887,90 | 5.701,90 | | | | |
| 100 T4/T8 (A6:6) | | | | | | | 2.923,20 | 3.236,50 | 3.630,20 | 4.244,80 | 5.117,50 | 5.931,50 | 7.439,10 | | | |
| 112 T4/T8 (A6:3) | | | | | | | 3.316,20 | 3.629,60 | 4.023,30 | 4.637,90 | 5.510,70 | 6.324,70 | 7.832,30 | 8.753,90 | 9.705,80 | |
| 112 T4/T8 (A6:6) | | | | | | | 3.545,90 | 3.859,30 | 4.252,90 | 4.867,60 | 5.740,20 | 6.554,20 | 8.061,80 | 8.983,60 | 9.935,50 | |
| 125 T4/T8 (A6:3) | | | | | | | | 3.824,40 | 4.218,10 | 4.832,70 | 5.705,40 | 6.519,60 | 8.027,00 | 8.948,70 | 9.900,70 | |
| 125 T4/T8 (A6:6) | | | | | | | | 4.054,10 | 4.447,80 | 5.062,40 | 5.935,00 | 6.749,10 | 8.256,70 | 9.178,40 | 10.130,40 | |

HCFX F300

HCFX F300 | THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | | |
|--------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|
| | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| 45 T4 (A2:9) | 943,60 | 946,60 | | | | | | | | | | | | | | | |
| 45 T4 (A2:6) | 874,30 | 877,50 | | | | | | | | | | | | | | | |
| 50 T4 (A2:9) | 1.007,00 | 1.010,10 | 1.022,50 | | | | | | | | | | | | | | |
| 50 T4 (A2:6) | 937,70 | 940,80 | 953,10 | | | | | | | | | | | | | | |
| 56 T4 (A2:9) | 1.040,20 | 1.043,30 | 1.055,60 | 1.087,50 | 1.335,40 | | | | | | | | | | | | |
| 56 T4 (A2:6) | 970,90 | 974,00 | 986,50 | 1.018,20 | 1.266,00 | | | | | | | | | | | | |
| 63 T4 (A2:9) | 1.092,10 | 1.095,20 | 1.107,70 | 1.139,50 | 1.387,30 | 1.545,40 | | | | | | | | | | | |
| 63 T4 (A2:6) | 1.023,00 | 1.026,10 | 1.038,40 | 1.070,20 | 1.318,10 | 1.476,00 | | | | | | | | | | | |
| 71 T4 (A2:9) | | 1.180,80 | 1.193,30 | 1.225,10 | 1.473,00 | 1.631,00 | 1.801,10 | | | | | | | | | | |
| 71 T4 (A2:6) | | 1.111,70 | 1.124,00 | 1.155,80 | 1.403,70 | 1.561,60 | 1.731,80 | | | | | | | | | | |
| 80 T4 (A2:9) | | | 1.262,00 | 1.293,80 | 1.541,60 | 1.699,60 | 1.869,70 | 2.154,10 | 2.434,10 | | | | | | | | |
| 80 T4 (A2:6) | | | 1.192,70 | 1.224,60 | 1.472,30 | 1.630,30 | 1.800,50 | 2.084,90 | 2.365,00 | | | | | | | | |
| 90 T4 (A6:6) | | | | | | 2.437,60 | 2.607,80 | 2.892,20 | 3.172,30 | 3.495,20 | 4.021,90 | 4.708,90 | | | | | |
| 90 T4 (A6:3) | | | | | | 2.208,10 | 2.378,20 | 2.662,50 | 2.942,60 | 3.265,60 | 3.792,30 | 4.479,50 | | | | | |
| 100 T4 (A6:6) | | | | | | | | 3.070,00 | 3.350,00 | 3.673,00 | 4.199,70 | 4.886,80 | 5.455,30 | 5.971,70 | | | |
| 100 T4 (A6:3) | | | | | | | | 2.840,40 | 3.120,30 | 3.443,30 | 3.970,10 | 4.657,20 | 5.225,70 | 5.742,10 | | | |
| 112 T4 (A6:6) | | | | | | | | 3.755,10 | 4.035,10 | 4.358,00 | 4.884,80 | 5.571,80 | 6.140,30 | 6.656,70 | 7.936,10 | 8.831,60 | |
| 112 T4 (A6:3) | | | | | | | | 3.525,40 | 3.805,40 | 4.128,40 | 4.655,10 | 5.342,20 | 5.910,70 | 6.427,10 | 7.706,50 | 8.602,00 | |
| 125 T4 (A6:6) | | | | | | | | | 4.249,40 | 4.572,30 | 5.099,00 | 5.786,10 | 6.354,60 | 6.871,20 | 8.150,50 | 9.045,90 | 10.183,10 |
| 125 T4 (A6:3) | | | | | | | | | 4.019,70 | 4.342,80 | 4.869,50 | 5.556,60 | 6.125,00 | 6.641,50 | 7.920,90 | 8.816,20 | 9.953,40 |

HCFX F300 | THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | |
|--------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| 45 T6 (A2:9) | 1.002,10 | | | | | | | | | | |
| 45 T6 (A2:6) | 932,80 | | | | | | | | | | |
| 50 T6 (A2:9) | 1.065,40 | | | | | | | | | | |
| 50 T6 (A2:6) | 996,20 | | | | | | | | | | |
| 56 T6 (A2:9) | 1.098,70 | | | | | | | | | | |
| 56 T6 (A2:6) | 1.029,40 | | | | | | | | | | |
| 63 T6 (A2:9) | 1.150,70 | 1.280,00 | | | | | | | | | |
| 63 T6 (A2:6) | 1.081,40 | 1.210,70 | | | | | | | | | |
| 71 T6 (A2:9) | 1.236,30 | 1.365,60 | 1.405,20 | | | | | | | | |
| 71 T6 (A2:6) | 1.167,00 | 1.296,30 | 1.336,10 | | | | | | | | |
| 80 T6 (A2:9) | 1.304,90 | 1.434,30 | 1.474,00 | 1.589,90 | 1.796,70 | | | | | | |
| 80 T6 (A2:6) | 1.235,80 | 1.365,10 | 1.404,70 | 1.520,60 | 1.727,30 | | | | | | |
| 90 T6 (A6:6) | | 2.172,40 | 2.212,10 | 2.327,90 | 2.534,60 | 2.745,80 | 3.021,40 | | | | |
| 90 T6 (A6:3) | | 1.942,80 | 1.982,40 | 2.098,30 | 2.305,20 | 2.516,10 | 2.791,80 | | | | |
| 100 T6 (A6:6) | | | 2.389,90 | 2.505,70 | 2.712,40 | 2.923,60 | 3.199,20 | 3.574,00 | 4.155,30 | | |
| 100 T6 (A6:3) | | | 2.160,30 | 2.276,20 | 2.482,90 | 2.693,90 | 2.969,60 | 3.344,30 | 3.925,90 | | |
| 112 T6 (A6:6) | | | | 3.190,80 | 3.397,50 | 3.608,60 | 3.884,30 | 4.259,00 | 4.840,40 | 5.749,30 | |
| 112 T6 (A6:3) | | | | 2.961,10 | 3.167,80 | 3.379,00 | 3.654,60 | 4.029,40 | 4.610,90 | 5.519,70 | |
| 125 T6 (A6:6) | | | | | 3.611,70 | 3.822,90 | 4.098,50 | 4.473,30 | 5.054,70 | 5.963,60 | 6.588,20 |
| 125 T6 (A6:3) | | | | | 3.382,30 | 3.593,20 | 3.868,90 | 4.243,60 | 4.825,20 | 5.734,00 | 6.358,50 |

HCFX F300 | THREE PHASE RANGE 2 SPEEDS 4/8 POLE | SERIE TRIFÁSICA 2 VELOCIDADES 4/8 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | | |
|--------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|
| | 0,6/0,15 | 0,8/0,2 | 1,2/0,3 | 1,6/0,4 | 2,2/0,55 | 2,8/0,7 | 3,8/1 | 5/1,3 | 7,2/1,8 | 11/3 | 15/3,8 | 18,5/4,8 | 24/6 | 30/7 | 37/8,5 |
| 45 T4/T8 (A2:6) | 881,70 | 938,00 | | | | | | | | | | | | | |
| 45 T4/T8 (A2:9) | 951,10 | 1.007,30 | | | | | | | | | | | | | |
| 50 T4/T8 (A2:6) | 945,20 | 1.001,50 | 1.097,70 | | | | | | | | | | | | |
| 50 T4/T8 (A2:9) | 1.014,30 | 1.070,70 | 1.167,00 | | | | | | | | | | | | |
| 56 T4/T8 (A2:6) | 978,30 | 1.034,60 | 1.130,90 | 1.182,20 | 1.339,90 | | | | | | | | | | |
| 56 T4/T8 (A2:9) | 1.047,60 | 1.103,90 | 1.200,30 | 1.251,40 | 1.409,20 | | | | | | | | | | |
| 63 T4/T8 (A2:6) | 1.030,30 | 1.086,80 | 1.183,00 | 1.234,10 | 1.392,00 | 1.513,40 | | | | | | | | | |
| 63 T4/T8 (A2:9) | 1.099,60 | 1.155,90 | 1.252,20 | 1.303,50 | 1.461,10 | 1.582,50 | | | | | | | | | |
| 71 T4/T8 (A2:6) | | 1.172,20 | 1.268,60 | 1.319,70 | 1.477,60 | 1.599,00 | 1.945,30 | | | | | | | | |
| 71 T4/T8 (A2:9) | | 1.241,50 | 1.337,90 | 1.389,10 | 1.546,70 | 1.668,10 | 2.014,50 | | | | | | | | |
| 80 T4/T8 (A2:6) | | | 1.337,20 | 1.388,50 | 1.546,20 | 1.667,60 | 2.014,00 | 2.327,40 | 2.721,10 | | | | | | |
| 80 T4/T8 (A2:9) | | | 1.406,60 | 1.457,70 | 1.615,50 | 1.736,90 | 2.083,20 | 2.396,60 | 2.790,30 | | | | | | |
| 90 T4/T8 (A6:3) | | | | | | 2.245,30 | 2.591,60 | 2.905,10 | 3.298,80 | 3.913,30 | 4.786,00 | | | | |
| 90 T4/T8 (A6:6) | | | | | | 2.474,90 | 2.821,30 | 3.134,70 | 3.528,40 | 4.143,00 | 5.015,60 | | | | |
| 100 T4/T8 (A6:3) | | | | | | | 2.769,50 | 3.083,00 | 3.476,50 | 4.091,10 | 4.963,90 | 5.777,90 | | | |
| 100 T4/T8 (A6:6) | | | | | | | 2.999,10 | 3.312,50 | 3.706,10 | 4.320,80 | 5.193,50 | 6.007,60 | 7.515,10 | | |
| 112 T4/T8 (A6:3) | | | | | | | 3.454,50 | 3.767,90 | 4.161,50 | 4.776,20 | 5.648,90 | 6.463,00 | 7.970,50 | 8.892,20 | 9.844,10 |
| 112 T4/T8 (A6:6) | | | | | | | 3.684,20 | 3.997,60 | 4.391,20 | 5.005,90 | 5.878,50 | 6.692,50 | 8.200,20 | 9.121,90 | 10.073,80 |
| 125 T4/T8 (A6:3) | | | | | | | | 3.982,30 | 4.375,90 | 4.990,50 | 5.863,20 | 6.677,30 | 8.184,80 | 9.106,60 | 10.058,50 |
| 125 T4/T8 (A6:6) | | | | | | | | 4.211,80 | 4.605,50 | 5.220,10 | 6.092,80 | 6.906,90 | 8.414,40 | 9.336,10 | 10.288,10 |

SMOKE EXHAUST | INSIDE DESENFUMAJE | INMERSOS 400°C/2h, 300°C/2h, 200°C/2h

Homologación oficial APPLUS según norma EN 12101-3:2015.

HCF F200

Short cased axial fan F200

Helicoidal tubular de camisa corta F200



MANUFACTURING FEATURES

- Short cased reinforced fan manufactured in rolling steel sheet.
- Modular motor-impeller assembly.
- Impeller in aluminum injection with reinforced body. Protected against corrosion by powder coating of epoxy-polyester resin.
- Standard asynchronous squirrel-cage motor. IP-55 protection and class H insulation certified 200°C/2h. Manufactured with standard voltages 230/400V 50Hz in three phase motors up to 3kW and 400/690V 50Hz for higher powers. IE3 efficiency motor from 0,75kW up to 45kW in single speed.

APPLICATIONS

Designed for duct installation, they are suitable for:

- Smoke emergency exhaust with motor inside the hazardous area.
- Maximum working temperature: 60°C.

UNDER REQUEST

- B-form impeller (air from impeller to motor). 5% additional cost.
- 100% reversible impeller. 5% additional cost.
- Different polarities.

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador tubular de camisa corta y estructura reforzada.
- Montaje modular del conjunto motor hélice.
- Hélice en inyección de aluminio. Protegidos contra la corrosión mediante recubrimiento en polvo de resina epoxy-poliéster.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase H certificado 200°C/2h. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 3kW y 400/690V 50Hz para potencias superiores. Motor de eficiencia IE3 desde 0,75kW hasta 45kW de una velocidad.

APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Extracción de humo en caso de incendio estando el motor dentro de la zona de riesgo.
- Temperatura máxima de trabajo en continuo: 60°C.

BAJO DEMANDA

- Hélice impelente (sentido de aire hélice-motor). Incremento 5% sobre PVP.
- Hélice reversible 100%. Incremento 5% sobre PVP.
- Distintas polaridades.

ACCESSORIES | ACCESORIOS



INT 400 pg.434

Connexion flange.
Brida de conexión.



INT pg.434

Safety switch.
Interruptor de corte.



AC pg.411

Connexion flange.
Brida de conexión.



BA-400 pg.416

Anti-vibrating flange 400%/2h.
flexible.
Brida antivibratoria 400%/2h.



SFC pg.433

Speed controller for single phase
motors.Regulador de velocidad
monofásico.



MC HB pg.415

Square mounting frame.
Marco soporte cuadrado.



PC2 pg.402

Overpressure damper for facade.
Rejilla de sobrepresión anti-
retorno.



BAD pg.416

Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



JE 45 pg.416

Flexible joint.
Junta elástica.



RPO pg.396

Outlet protection guard.
Rejilla de protección.



RP1 pg.397

Inlet protection guard.
Rejilla de protección.

HCF F200

HCF F200 | THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|--------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| 45 T4 (A2:6) | 723,80 | 738,40 | | | | | | | | | | | | | | |
| 45 T4 (A2:9) | 791,10 | 805,60 | | | | | | | | | | | | | | |
| 50 T4 (A2:6) | 779,70 | 794,30 | 847,90 | 922,80 | | | | | | | | | | | | |
| 50 T4 (A2:9) | 846,90 | 861,50 | 915,10 | 990,10 | | | | | | | | | | | | |
| 56 T4 (A2:6) | 809,10 | 823,70 | 877,20 | 952,20 | 1.077,10 | | | | | | | | | | | |
| 56 T4 (A2:9) | 876,20 | 890,80 | 944,40 | 1.019,40 | 1.144,30 | | | | | | | | | | | |
| 63 T4 (A2:6) | 854,90 | 869,50 | 923,10 | 998,20 | 1.123,00 | 1.255,20 | | | | | | | | | | |
| 63 T4 (A2:9) | 922,20 | 936,80 | 990,40 | 1.065,30 | 1.190,30 | 1.322,40 | | | | | | | | | | |
| 71 T4 (A2:6) | 930,50 | 945,10 | 998,70 | 1.073,60 | 1.198,50 | 1.330,70 | 1.460,00 | | | | | | | | | |
| 71 T4 (A2:9) | 997,70 | 1.012,30 | 1.065,80 | 1.140,90 | 1.265,80 | 1.398,00 | 1.527,10 | | | | | | | | | |
| 80 T4 (A2:6) | | | 1.059,30 | 1.134,30 | 1.259,20 | 1.391,40 | 1.520,60 | 1.783,10 | 2.008,30 | | | | | | | |
| 80 T4 (A2:9) | | | 1.126,50 | 1.201,50 | 1.326,50 | 1.458,60 | 1.587,80 | 1.850,40 | 2.075,60 | | | | | | | |
| 90 T4 (A6:3) | | | | | | 1.936,70 | 2.065,90 | 2.328,40 | 2.553,70 | 3.329,10 | 3.566,10 | | | | | |
| 90 T4 (A6:6) | | | | | | 2.159,50 | 2.288,80 | 2.551,30 | 2.776,60 | 3.552,00 | 3.789,00 | | | | | |
| 100 T4 (A6:3) | | | | | | | | 2.485,30 | 2.710,60 | 3.486,00 | 3.723,00 | 4.845,60 | 5.210,90 | | | |
| 100 T4 (A6:6) | | | | | | | | 2.708,30 | 2.933,50 | 3.708,90 | 3.945,90 | 5.068,50 | 5.433,90 | | | |
| 112 T4 (A6:3) | | | | | | | | 3.090,00 | 3.315,20 | 4.090,60 | 4.327,60 | 5.450,20 | 5.815,60 | 6.858,90 | 8.452,10 | |
| 112 T4 (A6:6) | | | | | | | | 3.312,80 | 3.538,10 | 4.313,60 | 4.550,60 | 5.673,10 | 6.038,50 | 7.081,80 | 8.675,10 | |
| 125 T4 (A6:3) | | | | | | | | | 3.504,30 | 4.279,70 | 4.516,70 | 5.639,40 | 6.004,70 | 7.048,00 | 8.641,30 | 9.560,10 |
| 125 T4 (A6:6) | | | | | | | | | 3.727,20 | 4.502,70 | 4.739,70 | 5.862,20 | 6.227,60 | 7.271,00 | 8.864,30 | 9.783,00 |

HCF F200 | THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | |
|-----------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 |
| 45 T4 (A2:6) | 752,30 | | | | | | | | | | | | |
| 45 T4 (A2:9) | 819,60 | | | | | | | | | | | | |
| 50 T4 (A2:6) | 808,30 | | | | | | | | | | | | |
| 50 T4 (A2:9) | 875,50 | | | | | | | | | | | | |
| 56 T4 (A2:6) | 837,60 | | | | | | | | | | | | |
| 56 T4 (A2:9) | 904,90 | | | | | | | | | | | | |
| 63 T4 (A2:6) | 883,60 | 983,80 | | | | | | | | | | | |
| 63 T4 (A2:9) | 950,80 | 1.051,00 | | | | | | | | | | | |
| 71 T4 (A2:6) | 959,10 | 1.059,30 | 1.091,20 | 1.220,30 | | | | | | | | | |
| 71 T4 (A2:9) | 1.026,30 | 1.126,60 | 1.158,50 | 1.287,40 | | | | | | | | | |
| 80 T4 (A2:6) | 1.019,80 | 1.120,00 | 1.151,90 | 1.280,80 | 1.427,00 | | | | | | | | |
| 80 T4 (A2:9) | 1.087,00 | 1.187,20 | 1.219,00 | 1.348,10 | 1.494,20 | | | | | | | | |
| 90 T4 (A6:3) | | 1.665,20 | 1.697,10 | 1.826,20 | 1.972,30 | 2.304,90 | 2.410,30 | | | | | | |
| 90 T4 (A6:6) | | 1.888,20 | 1.920,00 | 2.049,10 | 2.195,20 | 2.527,80 | 2.633,20 | | | | | | |
| 100 T4 (A6:3) | | | | | | 2.461,90 | 2.567,20 | 2.809,50 | 3.452,20 | | | | |
| 100 T4 (A6:6) | | | | | | 2.684,80 | 2.790,20 | 3.032,40 | 3.675,20 | | | | |
| 112 T4 (A6:3) | | | | | | 3.066,50 | 3.171,90 | 3.414,20 | 4.056,90 | 4.679,10 | | | |
| 112 T4 (A6:6) | | | | | | 3.289,30 | 3.394,80 | 3.637,10 | 4.279,80 | 4.902,10 | | | |
| 125 T4 (A6:3) | | | | | | 3.255,60 | 3.361,00 | 3.603,20 | 4.246,10 | 4.868,30 | 5.657,10 | 6.910,40 | 7.178,80 |
| 125 T4 (A6:6) | | | | | | 3.478,50 | 3.583,90 | 3.826,20 | 4.469,00 | 5.091,30 | 5.880,00 | 7.133,20 | 7.401,70 |

HCF F200 THREE PHASE RANGE 2 SPEEDS 4/6 POLE | SERIE TRIFÁSICA 2 VELOCIDADES 4/6 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | | |
|------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-------|
| | 0,25/0,75 | 0,30/1,1 | 0,37/1,5 | 0,60/1,7 | 0,70/2,2 | 1,0/3,0 | 1,5/4,5 | 2,2/6,0 | 3,3/10 | 4,5/14 | 6,5/16 | 8,5/20 | 9,0/26 | 12/34 | 14/40 |
| 45 T4/T6 (A2:6) | 744,10 | | | | | | | | | | | | | | |
| 45 T4/T6 (A2:9) | 811,30 | | | | | | | | | | | | | | |
| 50 T4/T6 (A2:6) | 800,10 | 886,20 | | | | | | | | | | | | | |
| 50 T4/T6 (A2:9) | 867,20 | 953,30 | | | | | | | | | | | | | |
| 56 T4/T6 (A2:6) | 829,30 | 915,50 | 952,70 | 1.067,40 | 1.155,80 | | | | | | | | | | |
| 56 T4/T6 (A2:9) | 896,60 | 982,60 | 1.019,90 | 1.134,70 | 1.223,00 | | | | | | | | | | |
| 63 T4/T6 (A2:6) | 875,30 | 961,40 | 998,60 | 1.113,30 | 1.201,60 | | | | | | | | | | |
| 63 T4/T6 (A2:9) | 942,50 | 1.028,60 | 1.065,80 | 1.180,60 | 1.268,90 | | | | | | | | | | |
| 71 T4/T6 (A2:6) | 950,90 | 1.037,00 | 1.074,10 | 1.188,90 | 1.277,20 | 1.523,30 | | | | | | | | | |
| 71 T4/T6 (A2:9) | 1.018,00 | 1.104,10 | 1.141,40 | 1.256,10 | 1.344,50 | 1.590,60 | | | | | | | | | |
| 80 T4/T6 (A2:6) | 1.097,50 | 1.134,80 | 1.249,60 | 1.337,80 | 1.584,00 | 1.885,70 | 2.121,20 | | | | | | | | |
| 80 T4/T6 (A2:9) | 1.164,80 | 1.202,00 | 1.316,70 | 1.405,10 | 1.651,20 | 1.952,90 | 2.188,50 | | | | | | | | |
| 90 T4/T6 (A6:3) | 1.642,90 | 1.680,00 | 1.794,80 | 1.883,10 | 2.129,30 | 2.430,90 | 2.666,50 | 3.263,70 | 3.483,20 | | | | | | |
| 90 T4/T6 (A6:6) | 1.865,80 | 1.903,00 | 2.017,70 | 2.106,00 | 2.352,10 | 2.653,80 | 2.889,40 | 3.486,60 | 3.706,10 | | | | | | |
| 100 T4/T6 (A6:3) | | | | | | 2.587,80 | 2.823,40 | 3.420,70 | 3.640,10 | 4.356,70 | 4.459,60 | | | | |
| 100 T4/T6 (A6:6) | | | | | | 2.810,70 | 3.046,30 | 3.643,50 | 3.863,00 | 4.579,70 | 4.682,40 | | | | |
| 112 T4/T6 (A6:3) | | | | | | 3.192,50 | 3.428,00 | 4.025,20 | 4.244,70 | 4.961,40 | 5.064,20 | 6.214,20 | 8.886,50 | 9.483,70 | |
| 112 T4/T6 (A6:6) | | | | | | 3.415,40 | 3.651,00 | 4.248,20 | 4.467,70 | 5.184,30 | 5.287,10 | 6.437,20 | 9.109,40 | 9.706,60 | |
| 125 T4/T6 (A6:3) | | | | | | | 3.617,20 | 4.214,40 | 4.433,80 | 5.150,60 | 5.253,30 | 6.403,30 | 9.075,60 | 9.672,90 | |
| 125 T4/T6 (A6:6) | | | | | | | 3.840,20 | 4.437,40 | 4.656,80 | 5.373,50 | 5.476,30 | 6.626,30 | 9.298,50 | 9.895,80 | |

HCF F200 | THREE PHASE RANGE 2 SPEEDS 4/8 POLE | SERIE TRIFÁSICA 2 VELOCIDADES 4/8 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | | |
|------------------|-----------------------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,15/0,60 | 0,20/0,80 | 0,30/1,2 | 0,40/1,6 | 0,55/2,2 | 0,70/2,8 | 1,0/3,8 | 1,3/5,0 | 1,8/7,2 | 3,0/11 | 3,5/14 | 4,3/17 | 5,0/20 | 6,5/28 | 8,0/30 | 9,2/37 | 11/44 |
| 45 T4/T8 (A2:6) | 690,90 | 725,70 | | | | | | | | | | | | | | | |
| 45 T4/T8 (A2:9) | 758,00 | 793,00 | | | | | | | | | | | | | | | |
| 50 T4/T8 (A2:6) | 746,80 | 781,60 | 845,80 | | | | | | | | | | | | | | |
| 50 T4/T8 (A2:9) | 814,00 | 848,90 | 913,00 | | | | | | | | | | | | | | |
| 56 T4/T8 (A2:6) | 776,00 | 811,00 | 875,10 | 908,90 | 1.013,70 | 1.094,30 | | | | | | | | | | | |
| 56 T4/T8 (A2:9) | 843,30 | 878,20 | 942,40 | 976,10 | 1.080,90 | 1.161,50 | | | | | | | | | | | |
| 63 T4/T8 (A2:6) | 822,00 | 856,90 | 921,00 | 954,90 | 1.059,50 | 1.140,20 | | | | | | | | | | | |
| 63 T4/T8 (A2:9) | 889,30 | 924,20 | 988,20 | 1.022,10 | 1.126,80 | 1.207,40 | | | | | | | | | | | |
| 71 T4/T8 (A2:6) | 897,60 | 932,40 | 996,60 | 1.030,40 | 1.135,10 | 1.215,70 | 1.446,00 | | | | | | | | | | |
| 71 T4/T8 (A2:9) | 964,80 | 999,70 | 1.063,80 | 1.097,60 | 1.202,40 | 1.283,00 | 1.513,20 | | | | | | | | | | |
| 80 T4/T8 (A2:6) | | | 1.057,30 | 1.091,00 | 1.195,70 | 1.276,40 | 1.506,60 | 1.738,00 | 2.004,00 | | | | | | | | |
| 80 T4/T8 (A2:9) | | | 1.124,40 | 1.158,30 | 1.263,00 | 1.343,60 | 1.573,80 | 1.805,10 | 2.071,10 | | | | | | | | |
| 90 T4/T8 (A6:3) | | | | | 1.741,00 | 1.821,60 | 2.051,90 | 2.283,20 | 2.549,20 | 2.884,80 | 3.282,40 | | | | | | |
| 90 T4/T8 (A6:6) | | | | | 1.963,90 | 2.044,50 | 2.274,80 | 2.506,10 | 2.772,10 | 3.107,60 | 3.505,30 | | | | | | |
| 100 T4/T8 (A6:3) | | | | | | | | 2.440,10 | 2.706,10 | 3.041,70 | 3.439,40 | 4.096,80 | 4.188,90 | | | | |
| 100 T4/T8 (A6:6) | | | | | | | | 2.663,10 | 2.929,10 | 3.264,60 | 3.662,20 | 4.319,80 | 4.411,80 | | | | |
| 112 T4/T8 (A6:3) | | | | | | | | 3.044,80 | 3.310,80 | 3.646,30 | 4.044,00 | 4.701,50 | 4.793,50 | 5.727,00 | 6.422,30 | 8.235,20 | 8.922,40 |
| 112 T4/T8 (A6:6) | | | | | | | | 3.267,70 | 3.533,70 | 3.869,10 | 4.266,90 | 4.924,40 | 5.016,30 | 5.949,90 | 6.645,20 | 8.458,00 | 9.145,30 |
| 125 T4/T8 (A6:3) | | | | | | | | | 3.499,90 | 3.835,40 | 4.233,20 | 4.890,70 | 4.982,60 | 5.916,10 | 6.611,50 | 8.424,30 | 9.111,50 |
| 125 T4/T8 (A6:6) | | | | | | | | | 3.722,80 | 4.058,30 | 4.456,10 | 5.113,50 | 5.205,50 | 6.139,00 | 6.834,40 | 8.647,20 | 9.334,50 |

SMOKE EXHAUST | INSIDE DESENFUMAJE | INMERSOS 400°C/2h, 300°C/2h, 200°C/2h

Homologación oficial APPLUS según norma EN 12101-3:2015.

HMF | HMFx F400

Long cased axial fan F400

Helicoidal tubular F400



MANUFACTURING FEATURES

- Long cased axial fan with reinforced body.
- Modular motor-impeller assembly.
- Impeller in aluminum injection with reinforced body. Protected against corrosion by powder coating of epoxy-polyester resin.
- Housing with motor access door.

HMF F400

- Standard asynchronous squirrel-cage motor with IP-55 protection and Class H insulation certified 400°C/2h. Manufactured with standard voltages 230/400V 50Hz in three phase motors up to 3kW and 400/690V 50Hz for higher powers. IE3 efficiency motor from 0,75kW up to 45kW in single speed.

HMFx F400

- Protection ring made of aluminium.
- ATEX II3G.
- Standard asynchronous squirrel-cage motor with IP-55 protection and Class H insulation certified 400°C/2h. Manufactured with standard voltages 230/400V 50Hz in three phase motors up to 3kW and 400/690V 50Hz for higher powers. IE3 efficiency motor from 0,75kW up to 45kW in single speed.

APPLICATIONS

- Designed for inline installation, they are suitable for:
- Smoke emergency exhaust with motor inside the hazardous area.
 - Maximum working temperature: 60°C.

UNDER REQUEST

- B form impeller (air flow from impeller to motor). 5% additional cost.
- 100% reversible impeller. 5% additional cost.
- Different polarities.

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador tubular de estructura reforzada.
- Montaje modular del conjunto motor hélice.
- Hélice en inyección de aluminio. Protegidos contra la corrosión mediante recubrimiento en polvo de resina epoxy-poliéster.
- Trampilla de acceso al motor para facilitar las conexiones.

HMF F400

- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase H certificado 400°C/2h. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 3kW y 400/690V 50Hz para potencias superiores. Motor de eficiencia IE3 desde 0,75kW hasta 45kW de una velocidad.

HMFx F400

- Anillo de protección en aluminio.
- ATEX II3G.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase H certificado 400°C/2h. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 3kW y 400/690V 50Hz para potencias superiores. Motor de eficiencia IE3 desde 0,75kW hasta 45kW de una velocidad.

APLICACIONES

- Diseñados para instalación en conducto, son indicados para:
- Extracción de humo en caso de incendio estando el motor dentro de la zona de riesgo.
 - Temperatura máxima de trabajo en continuo: 60°C.

BAJO DEMANDA

- Hélice impelente (sentido de aire hélice-motor). Incremento 5% sobre PVP.
- Hélice reversible 100%. Incremento 5% sobre PVP.
- Distintas polaridades.

ACCESSORIES | ACCESORIOS



HMF F400

HMF F400 | THREE PHASE RANGE 2 POLE | SERIE TRIFÁSICA 2 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | |
|-----------------|-----------------------|----------|----------|----------|----------|----------|----------|
| | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 |
| 45 T2 (A8:6) | 2.243,20 | 2.320,70 | 2.437,00 | | | | |
| 45 T2 (A8:9) | | 2.430,10 | 2.546,40 | | | | |
| 45 T2 (A8:12) | | 2.539,50 | 2.655,60 | 2.754,80 | | | |
| 50 T2 (A8:6) | | 2.467,60 | 2.584,00 | 2.683,00 | 2.803,70 | | |
| 50 T2 (A8:9) | | | 2.693,40 | 2.792,40 | 2.913,00 | | |
| 50 T2 (A8:12) | | | 2.802,70 | 2.901,80 | 3.022,40 | | |
| 56 T2 (A8:6) | | | 2.715,20 | 2.814,30 | 2.934,90 | 3.352,80 | 3.581,00 |
| 56 T2 (A8:9) | | | 2.824,60 | 2.923,70 | 3.044,20 | 3.462,10 | 3.690,40 |
| 56 T2 (A8:12) | | | | 3.033,10 | 3.153,50 | 3.571,40 | 3.799,70 |

HMF F400 | THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|-----------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|
| | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| 45 T4 (A5:6) | 1.333,50 | | | | | | | | | | | | | | | |
| 50 T4 (A5:6) | 1.403,90 | | | | | | | | | | | | | | | |
| 56 T4 (A5:6) | 1.465,60 | 1.566,70 | 1.724,60 | | | | | | | | | | | | | |
| 63 T4 (A5:6) | 1.519,70 | 1.620,80 | 1.778,80 | 1.945,00 | | | | | | | | | | | | |
| 71 T4 (A5:6) | 1.592,90 | 1.694,10 | 1.851,90 | 2.018,40 | 2.199,20 | | | | | | | | | | | |
| 80 T4 (A5:6) | | | | 2.089,50 | 2.270,40 | 2.399,50 | | | | | | | | | | |
| 90 T4 (A3:8) | | | | | 3.476,80 | 3.606,00 | 4.135,90 | 4.394,30 | 4.825,00 | 5.305,60 | 6.044,70 | | | | | |
| 90 T4 (A3:4) | | | | | 3.199,70 | 3.329,10 | 3.858,80 | 4.117,30 | 4.548,00 | 5.028,70 | 5.767,70 | | | | | |
| 100 T4 (A3:8) | | | | | | | 4.359,90 | 4.618,40 | 5.049,00 | 5.529,70 | 6.268,90 | 7.050,60 | 7.609,70 | | | |
| 100 T4 (A3:4) | | | | | | | 4.083,00 | 4.341,40 | 4.772,10 | 5.252,70 | 5.991,80 | 6.773,70 | 7.332,90 | | | |
| 112 T4 (A3:8) | | | | | | | | 5.514,60 | 5.945,20 | 6.425,90 | 7.165,00 | 7.946,80 | 8.506,00 | 10.050,50 | 11.514,50 | |
| 112 T4 (A3:4) | | | | | | | | 5.237,50 | 5.668,30 | 6.148,90 | 6.888,00 | 7.669,90 | 8.229,00 | 9.773,50 | 11.237,50 | |
| 125 T4 (A3:8) | | | | | | | | | | 6.680,60 | 7.419,70 | 8.201,50 | 8.760,70 | 10.305,20 | 11.769,20 | 12.494,10 |
| 125 T4 (A3:4) | | | | | | | | | | 6.403,60 | 7.142,70 | 7.924,60 | 8.483,60 | 10.028,10 | 11.492,20 | 12.217,10 |

HMF F400 | THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | |
|-----------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| 45 T6 (A5:6) | 1.542,70 | | | | | | | | | |
| 50 T6 (A5:6) | 1.613,00 | | | | | | | | | |
| 56 T6 (A5:6) | 1.674,60 | | | | | | | | | |
| 63 T6 (A5:6) | 1.728,70 | | | | | | | | | |
| 71 T6 (A5:6) | 1.802,00 | | | | | | | | | |
| 80 T6 (A5:6) | 1.873,20 | 1.936,60 | 2.226,90 | 2.303,50 | | | | | | |
| 90 T6 (A3:8) | | | 3.433,20 | 3.509,90 | 3.952,90 | 3.786,10 | 4.471,70 | | | |
| 90 T6 (A3:4) | | | 3.156,20 | 3.232,90 | 3.675,90 | 3.509,30 | 4.194,80 | | | |
| 100 T6 (A3:8) | | | 3.657,30 | 3.734,00 | 4.176,90 | 4.010,30 | 4.695,80 | 5.952,20 | | |
| 100 T6 (A3:4) | | | 3.380,30 | 3.457,00 | 3.900,10 | 3.733,30 | 4.418,90 | 5.675,20 | | |
| 112 T6 (A3:8) | | | | 4.630,20 | 5.073,30 | 4.906,50 | 5.592,10 | 6.848,40 | 7.513,10 | |
| 112 T6 (A3:4) | | | | 4.353,20 | 4.796,30 | 4.629,60 | 5.315,10 | 6.571,40 | 7.236,10 | |
| 125 T6 (A3:8) | | | | | 5.327,90 | 5.161,10 | 5.846,70 | 7.103,10 | 7.767,80 | 8.620,60 |
| 125 T6 (A3:4) | | | | | 5.050,90 | 4.884,10 | 5.569,70 | 6.826,10 | 7.490,80 | 8.343,70 |

HMF F400 | THREE PHASE RANGE 2 SPEEDS 2/4 POLE | SERIE TRIFÁSICA 2 VELOCIDADES 2/4 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | |
|------------------|-----------------------|----------|----------|----------|----------|----------|----------|
| | 1,1/0,18 | 1,5/0,25 | 2,2/0,37 | 3/0,55 | 4/0,75 | 5,5/1,1 | 7,5/1,5 |
| 45 T2/T4 (A8:6) | 2.307,60 | 2.346,40 | 2.415,40 | | | | |
| 45 T2/T4 (A8:9) | | 2.455,70 | 2.524,70 | | | | |
| 45 T2/T4 (A8:12) | | 2.565,10 | 2.634,00 | 2.901,00 | | | |
| 50 T2/T4 (A8:6) | | 2.493,50 | 2.562,30 | 2.829,40 | 2.902,70 | | |
| 50 T2/T4 (A8:9) | | | 2.671,70 | 2.938,70 | 3.012,00 | | |
| 50 T2/T4 (A8:12) | | | 2.781,00 | 3.048,10 | 3.121,20 | | |
| 56 T2/T4 (A8:6) | | | 2.693,60 | 2.960,60 | 3.033,90 | 3.511,90 | 3.576,40 |
| 56 T2/T4 (A8:9) | | | 2.803,00 | 3.069,90 | 3.143,20 | 3.621,30 | 3.685,80 |
| 56 T2/T4 (A8:12) | | | | 3.179,30 | 3.252,50 | 3.730,60 | 3.795,10 |

SMOKE EXHAUST | INSIDE
DESENFUMAJE | INMERSOS
400°C/2h, 300°C/2h, 200°C/2h

Homologación oficial APPLUS según norma EN 12101-3:2015.



HMF F400 | THREE PHASE RANGE 2 SPEEDS 4/6 POLE | SERIE TRIFÁSICA 2 VELOCIDADES 4/6 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | |
|------------------|-----------------------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|
| | 0,55/0,18 | 0,75/0,25 | 1,1/0,37 | 1,5/0,55 | 2,2/0,75 | 3/1,1 | 4/1,5 | 5,5/1,8 | 7,5/2,5 | 10,5/3 | 14/4,5 | 18/5 | 20/5,5 | 23/6,5 |
| 56 T4/T6 (A5:6) | 1.938,30 | 1.951,30 | 1.977,20 | 2.028,80 | | | | | | | | | | |
| 63 T4/T6 (A5:6) | 1.992,40 | 2.005,30 | 2.031,20 | 2.082,80 | 2.169,00 | | | | | | | | | |
| 71 T4/T6 (A5:6) | 2.065,70 | 2.078,60 | 2.104,50 | 2.156,10 | 2.242,30 | | | | | | | | | |
| 80 T4/T6 (A5:6) | | | | | 2.313,40 | 2.649,40 | | | | | | | | |
| 90 T4/T6 (A3:4) | | | | | 3.242,90 | 3.578,80 | 3.673,60 | 4.281,00 | 4.362,70 | | | | | |
| 90 T4/T6 (A3:8) | | | | | 3.519,80 | 3.855,80 | 3.950,60 | 4.557,90 | 4.639,80 | | | | | |
| 100 T4/T6 (A3:4) | | | | | | | 3.897,70 | 4.505,00 | 4.586,90 | 8.459,20 | 9.557,50 | | | |
| 100 T4/T6 (A3:8) | | | | | | | 4.174,70 | 4.782,00 | 4.863,90 | 8.736,10 | 9.834,50 | | | |
| 112 T4/T6 (A3:4) | | | | | | | 4.793,90 | 5.401,30 | 5.483,00 | 9.355,30 | 10.453,60 | 13.231,90 | 14.437,80 | 16.419,20 |
| 112 T4/T6 (A3:8) | | | | | | | 5.070,90 | 5.678,20 | 5.760,10 | 9.632,30 | 10.730,70 | 13.508,80 | 14.714,90 | 16.696,20 |
| 125 T4/T6 (A3:4) | | | | | | | | | | 9.610,00 | 10.708,30 | 13.486,60 | 14.692,50 | 16.673,90 |
| 125 T4/T6 (A3:8) | | | | | | | | | | 9.886,90 | 10.985,30 | 13.763,50 | 14.969,50 | 16.950,90 |

HMF F400 | THREE PHASE RANGE 2 SPEEDS 4/8 POLE | SERIE TRIFÁSICA 2 VELOCIDADES 4/8 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|------|
| | 0,75/0,12 | 1,1/0,18 | 1,5/0,25 | 2,2/0,37 | 3/0,55 | 4/0,75 | 5,5/1,1 | 7,5/1,5 | 10/2 | 14/3 | 16,5/3,3 | 20/4 | 27/5,4 | 30/6,5 | 35/7,5 | 40/8 |
| 45 T4/T8 (A5:6) | 1.595,20 | | | | | | | | | | | | | | | |
| 50 T4/T8 (A5:6) | 1.665,60 | | | | | | | | | | | | | | | |
| 56 T4/T8 (A5:6) | 1.727,20 | 1.863,30 | 1.906,00 | | | | | | | | | | | | | |
| 63 T4/T8 (A5:6) | 1.781,20 | 1.917,40 | 1.960,10 | 2.045,40 | | | | | | | | | | | | |
| 71 T4/T8 (A5:6) | 1.854,60 | 1.990,60 | 2.033,40 | 2.118,60 | 2.426,70 | | | | | | | | | | | |
| 80 T4/T8 (A5:6) | | | | 2.189,70 | 2.497,90 | 2.583,20 | | | | | | | | | | |
| 90 T4/T8 (A3:4) | | | | | 3.427,20 | 3.512,50 | 4.066,80 | 4.616,40 | 5.185,00 | | | | | | | |
| 90 T4/T8 (A3:8) | | | | | | | 4.343,80 | 4.893,50 | 5.462,00 | 6.727,00 | 7.878,80 | | | | | |
| 100 T4/T8 (A3:4) | | | | | | | 4.291,00 | 4.840,60 | 5.409,10 | 6.674,10 | 7.825,90 | | | | | |
| 100 T4/T8 (A3:8) | | | | | | | | | 5.686,10 | 8.102,90 | 8.342,80 | | | | | |
| 112 T4/T8 (A3:4) | | | | | | | | 5.736,70 | 6.305,30 | 7.570,30 | 8.722,30 | 8.962,00 | | | | |
| 112 T4/T8 (A3:8) | | | | | | | | | 7.847,30 | 8.999,10 | 9.239,00 | 11.230,00 | 12.716,80 | 15.552,70 | | |
| 125 T4/T8 (A3:4) | | | | | | | | | 6.559,90 | 7.825,00 | 8.976,80 | 9.216,70 | 11.207,60 | 12.694,40 | 15.530,40 | |
| 125 T4/T8 (A3:8) | | | | | | | | | | 9.253,80 | 9.493,70 | 11.484,70 | 12.971,40 | 15.807,30 | 17.163,50 | |

HMF F400

HMF F400 | THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|-----------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|
| | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| 45 T4 (A5:6) | 1.352,40 | | | | | | | | | | | | | | | |
| 50 T4 (A5:6) | 1.429,70 | | | | | | | | | | | | | | | |
| 56 T4 (A5:6) | 1.497,50 | 1.598,80 | 1.756,60 | | | | | | | | | | | | | |
| 63 T4 (A5:6) | 1.557,10 | 1.658,30 | 1.816,10 | 1.982,50 | | | | | | | | | | | | |
| 71 T4 (A5:6) | 1.637,70 | 1.738,80 | 1.896,70 | 2.063,20 | 2.244,10 | | | | | | | | | | | |
| 80 T4 (A5:6) | | | | 2.141,40 | 2.322,30 | 2.451,50 | | | | | | | | | | |
| 90 T4 (A3:8) | | | | | 3.554,70 | 3.684,00 | 4.213,80 | 4.472,20 | 4.903,00 | 5.383,70 | 6.122,70 | | | | | |
| 90 T4 (A3:4) | | | | | 3.277,70 | 3.407,00 | 3.936,80 | 4.195,30 | 4.625,90 | 5.106,60 | 5.845,80 | | | | | |
| 100 T4 (A3:8) | | | | | | | 4.460,20 | 4.718,80 | 5.149,40 | 5.630,10 | 6.369,20 | 7.151,00 | 7.710,20 | | | |
| 100 T4 (A3:4) | | | | | | | 4.183,30 | 4.441,70 | 4.872,50 | 5.353,10 | 6.092,20 | 6.874,10 | 7.433,20 | | | |
| 112 T4 (A3:8) | | | | | | | | 5.704,50 | 6.135,30 | 6.615,90 | 7.355,10 | 8.136,90 | 8.696,00 | 10.240,50 | 11.704,60 | |
| 112 T4 (A3:4) | | | | | | | | 5.427,50 | 5.858,30 | 6.339,00 | 7.078,10 | 7.859,90 | 8.419,00 | 9.963,50 | 11.427,50 | |
| 125 T4 (A3:8) | | | | | | | | | | 6.896,10 | 7.635,20 | 8.417,00 | 8.976,10 | 10.520,70 | 11.984,80 | 12.709,70 |
| 125 T4 (A3:4) | | | | | | | | | | 6.619,10 | 7.358,20 | 8.140,10 | 8.699,20 | 10.243,70 | 11.707,70 | 12.432,60 |

HMFx F400 | THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | |
|-----------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| 45 T6 (A5:6) | 1.561,50 | | | | | | | | | |
| 50 T6 (A5:6) | 1.638,90 | | | | | | | | | |
| 56 T6 (A5:6) | 1.706,70 | | | | | | | | | |
| 63 T6 (A5:6) | 1.766,20 | | | | | | | | | |
| 71 T6 (A5:6) | 1.846,90 | | | | | | | | | |
| 80 T6 (A5:6) | 1.925,20 | 1.988,50 | 2.278,80 | 2.355,30 | | | | | | |
| 90 T6 (A3:8) | | | 3.511,20 | 3.587,90 | 4.030,90 | 3.864,10 | 4.549,80 | | | |
| 90 T6 (A3:4) | | | 3.234,20 | 3.310,90 | 3.753,80 | 3.587,10 | 4.272,70 | | | |
| 100 T6 (A3:8) | | | 3.757,70 | 3.834,40 | 4.277,40 | 4.110,70 | 4.796,30 | 6.052,60 | | |
| 100 T6 (A3:4) | | | 3.480,80 | 3.557,40 | 4.000,50 | 3.833,70 | 4.519,30 | 5.775,60 | | |
| 112 T6 (A3:8) | | | | 4.820,10 | 5.263,20 | 5.096,40 | 5.782,00 | 7.038,40 | 7.703,20 | |
| 112 T6 (A3:4) | | | | 4.543,20 | 4.986,20 | 4.819,50 | 5.505,10 | 6.761,40 | 7.426,10 | |
| 125 T6 (A3:8) | | | | | 5.543,40 | 5.376,60 | 6.062,20 | 7.318,60 | 7.983,30 | 8.836,10 |
| 125 T6 (A3:4) | | | | | 5.266,40 | 5.099,70 | 5.785,20 | 7.041,60 | 7.706,30 | 8.559,10 |

HMFx F400 | THREE PHASE RANGE 2 SPEEDS 4/6 POLE | SERIE TRIFÁSICA 2 VELOCIDADES 4/6 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | |
|------------------|-----------------------|-----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|--------|
| | 0,55/0,18 | 0,75/0,25 | 1,1/0,37 | 1,5/0,55 | 2,2/0,75 | 3/1,1 | 4/1,5 | 5,5/1,8 | 7,5/2,5 | 10,5/3 | 14/4,5 | 18/5 | 20/5,5 | 23/6,5 |
| 56 T4/T6 (A5:6) | 1.970,40 | 1.983,40 | 2.009,10 | 2.060,90 | | | | | | | | | | |
| 63 T4/T6 (A5:6) | 2.029,80 | 2.042,80 | 2.068,70 | 2.120,30 | 2.206,50 | | | | | | | | | |
| 71 T4/T6 (A5:6) | 2.110,50 | 2.123,40 | 2.149,30 | 2.200,90 | 2.287,00 | | | | | | | | | |
| 80 T4/T6 (A5:6) | | | | 2.365,40 | 2.701,40 | | | | | | | | | |
| 90 T4/T6 (A3:4) | | | | 3.320,90 | 3.656,90 | 3.751,60 | 4.358,90 | 4.440,80 | | | | | | |
| 90 T4/T6 (A3:8) | | | | 3.597,90 | 3.933,80 | 4.028,50 | 4.635,90 | 4.717,70 | | | | | | |
| 100 T4/T6 (A3:4) | | | | | | 3.998,10 | 4.605,40 | 4.687,30 | 8.559,50 | 9.657,90 | | | | |
| 100 T4/T6 (A3:8) | | | | | | 4.275,10 | 4.882,40 | 4.964,30 | 8.836,50 | 9.934,90 | | | | |
| 112 T4/T6 (A3:4) | | | | | | 4.983,90 | 5.591,30 | 5.673,00 | 9.545,30 | 10.643,60 | 13.421,90 | 14.627,90 | 16.609,30 | |
| 112 T4/T6 (A3:8) | | | | | | 5.260,90 | 5.868,20 | 5.950,10 | 9.822,30 | 10.920,70 | 13.698,80 | 14.904,90 | 16.886,20 | |
| 125 T4/T6 (A3:4) | | | | | | | | | 9.825,50 | 10.923,80 | 13.702,00 | 14.908,00 | 16.889,30 | |
| 125 T4/T6 (A3:8) | | | | | | | | | 10.102,40 | 11.200,80 | 13.979,00 | 15.185,00 | 17.166,40 | |

HMFx F400 | THREE PHASE RANGE 2 SPEEDS 4/8 POLE | SERIE TRIFÁSICA 2 VELOCIDADES 4/8 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|------|
| | 0,8/0,2 | 1,2/0,3 | 1,6/0,4 | 2,2/0,37 | 3/0,55 | 4/0,75 | 5,5/1,1 | 7,5/1,5 | 10/2 | 14/3 | 16,5/3,3 | 20/4 | 27/5,4 | 30/6,5 | 35/7,5 | 40/8 |
| 45 T4/T8 (A5:6) | 1.614,10 | | | | | | | | | | | | | | | |
| 50 T4/T8 (A5:6) | 1.691,50 | | | | | | | | | | | | | | | |
| 56 T4/T8 (A5:6) | 1.759,30 | 1.895,40 | 1.938,00 | | | | | | | | | | | | | |
| 63 T4/T8 (A5:6) | 1.818,80 | 1.954,80 | 1.997,60 | 2.082,80 | | | | | | | | | | | | |
| 71 T4/T8 (A5:6) | 1.899,40 | 2.035,50 | 2.078,20 | 2.163,50 | 2.471,40 | | | | | | | | | | | |
| 80 T4/T8 (A5:6) | | | | 2.241,70 | 2.549,80 | 2.635,10 | | | | | | | | | | |
| 90 T4/T8 (A3:4) | | | | | 3.505,20 | 3.590,40 | 4.144,80 | 4.694,40 | 5.263,00 | | | | | | | |
| 90 T4/T8 (A3:8) | | | | | | | 4.421,70 | 4.971,40 | 5.539,90 | 6.805,00 | 7.956,80 | | | | | |
| 100 T4/T8 (A3:4) | | | | | | | 4.391,30 | 4.940,90 | 5.509,50 | 6.774,50 | 7.926,40 | | | | | |
| 100 T4/T8 (A3:8) | | | | | | | | | 5.786,50 | 7.051,50 | 8.203,40 | 8.443,20 | | | | |
| 112 T4/T8 (A3:4) | | | | | | | | 5.926,80 | 6.495,30 | 7.760,30 | 8.912,20 | 9.152,10 | | | | |
| 112 T4/T8 (A3:8) | | | | | | | | | | 8.037,30 | 9.189,10 | 9.429,00 | 11.420,00 | 12.906,80 | 15.742,80 | |
| 125 T4/T8 (A3:4) | | | | | | | | | 6.775,50 | 8.040,50 | 9.192,40 | 9.432,20 | 11.423,20 | 12.910,00 | 15.745,90 | |
| 125 T4/T8 (A3:8) | | | | | | | | | | 9.469,30 | 9.709,10 | 11.700,20 | 13.186,90 | 16.022,80 | 17.379,00 | |

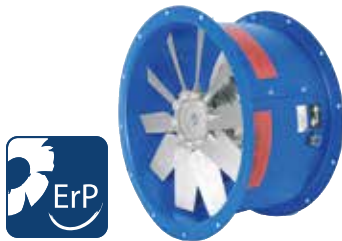
SMOKE EXHAUST | INSIDE DESENFUMAJE | INMERSOS 400°C/2h, 300°C/2h, 200°C/2h

Homologación oficial APPLUS según norma EN 12101-3:2015.

HMF | HMFx F300

Cased axial fan F300

Helicoidal tubular F300



HMF



HMFx



MANUFACTURING FEATURES

- Long cased axial fan with reinforced body.
- Modular motor-impeller assembly.
- Impeller in aluminum injection with reinforced body. Protected against corrosion by powder coating of epoxy-polyester resin.
- Housing with motor access door.

HMF F300

- Standard asynchronous squirrel-cage motor with IP-55 protection and Class H insulation certified 300°C/2h. Manufactured with standard voltages: 230/400V 50Hz in three phase motors up to 3kW, and 400/690V 50Hz for higher powers. IE3 efficiency motor from 0,75kW up to 45kW in single speed.

HMFx

- Protection ring made of aluminium.
- ATEX II3G.
- Standard asynchronous squirrel-cage motor with IP-55 protection and Class H insulation certified 400°C/2h. Manufactured with standard voltages 230/400V 50Hz in three phase motors up to 3kW and 400/690V 50Hz for higher powers. IE3 efficiency motor from 0,75kW up to 45kW in single speed.

APPLICATIONS

Designed for inline installation, they are suitable for:

- Smoke emergency exhaust with motor inside the hazardous area.
- Maximum working temperature: 60°C.

UNDER REQUEST

- B form impeller (air flow from impeller to motor). 5% additional cost.
- 100% reversible impeller. 5% additional cost.
- Different polarities.

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador tubular de estructura reforzada.
- Montaje modular del conjunto motor hélice.
- Hélice en inyección de aluminio. Protegidos contra la corrosión mediante recubrimiento en polvo de resina epoxy-poliéster.
- Trampilla de acceso al motor para facilitar las conexiones.

HMF F300

- Motor asincrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase H certificado 300°C/2h. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 3kW y 400/690V 50Hz para potencias superiores. Motor de eficiencia IE3 desde 0,75kW hasta 45kW de una velocidad.

HMFx F300

- Anillo de protección en aluminio.
- ATEX II3G.
- Motor asincrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase H certificado 300°C/2h. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 3kW y 400/690V 50Hz para potencias superiores. Motor de eficiencia IE3 desde 0,75kW hasta 45kW de una velocidad.

APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Extracción de humo en caso de incendio estando el motor dentro de la zona de riesgo.
- Temperatura máxima de trabajo en continuo: 60°C.

BAJO DEMANDA

- Hélice impelente (sentido de aire hélice-motor). Incremento 5% sobre PVP.
- Hélice reversible 100%. Incremento 5% sobre PVP.
- Distintas polaridades.

ACCESSORIES | ACCESORIOS



INT 400 pg.434

Connexion flange.
Brida de conexión.



INT pg.434

Safety switch.
Interruptor de corte.



INT ATEX pg.434

Switch for ATEX environments.
Interruptor para funcionar en entornos ATEX.



AC pg.411

Connexion flange.
Brida de conexión.



BA-400 pg.416

Anti-vibrating flange 400°/2h.
flexible.
Brida antivibratoria 400°/2h.



SFC pg.433

Speed controller for single phase motors.Regulador de velocidad monofásico.



MC HB pg.415

Square mounting frame.
Marco soporte cuadrado.



PC2 pg.402

Overpressure damper for facade.
Rejilla de sobrepresión antirretorno.



BAD pg.416

Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



JE 45 pg.416

Flexible joint.
Junta elástica.



RPO pg.396

Outlet protection guard.
Rejilla de protección.



RP1 pg.397

Inlet protection guard.
Rejilla de protección.

HMF F300

HMF F300 | THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | | |
|-----------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|----|
| | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| 45 T4 (A2:9) | 953,40 | 956,50 | | | | | | | | | | | | | | | |
| 45 T4 (A2:6) | 884,30 | 887,40 | | | | | | | | | | | | | | | |
| 50 T4 (A2:9) | 1.023,80 | 1.026,90 | 1.039,20 | | | | | | | | | | | | | | |
| 50 T4 (A2:6) | 954,60 | 957,60 | 970,00 | | | | | | | | | | | | | | |
| 56 T4 (A2:9) | 1.085,40 | 1.088,60 | 1.101,00 | 1.132,80 | 1.380,70 | | | | | | | | | | | | |
| 56 T4 (A2:6) | 1.016,30 | 1.019,40 | 1.031,70 | 1.063,60 | 1.311,30 | | | | | | | | | | | | |
| 63 T4 (A2:9) | 1.139,60 | 1.142,70 | 1.155,10 | 1.186,80 | 1.434,70 | 1.592,70 | | | | | | | | | | | |
| 63 T4 (A2:6) | 1.070,30 | 1.073,40 | 1.085,80 | 1.117,70 | 1.365,50 | 1.523,50 | | | | | | | | | | | |
| 71 T4 (A2:9) | | 1.215,90 | 1.228,30 | 1.260,20 | 1.507,90 | 1.665,90 | 1.836,10 | | | | | | | | | | |
| 71 T4 (A2:6) | | 1.146,70 | 1.159,00 | 1.190,90 | 1.438,80 | 1.596,70 | 1.766,80 | | | | | | | | | | |
| 80 T4 (A2:9) | | | 1.299,50 | 1.331,30 | 1.579,10 | 1.737,10 | 1.907,30 | 2.191,70 | 2.471,70 | | | | | | | | |
| 80 T4 (A2:6) | | | 1.230,20 | 1.262,10 | 1.510,00 | 1.667,90 | 1.838,10 | 2.122,40 | 2.402,40 | | | | | | | | |
| 90 T4 (A6:6) | | | | | | 2.559,00 | 2.729,20 | 3.013,60 | 3.293,60 | 3.616,60 | 4.143,30 | 4.830,30 | | | | | |
| 90 T4 (A6:3) | | | | | | 2.329,60 | 2.499,50 | 2.783,90 | 3.064,00 | 3.387,00 | 3.913,70 | 4.600,80 | | | | | |
| 100 T4 (A6:6) | | | | | | | | 3.237,70 | 3.517,80 | 3.840,80 | 4.367,50 | 5.054,40 | 5.622,90 | 6.139,50 | | | |
| 100 T4 (A6:3) | | | | | | | | 3.008,10 | 3.288,10 | 3.611,10 | 4.137,80 | 4.825,00 | 5.393,40 | 5.909,90 | | | |
| 112 T4 (A6:6) | | | | | | | | 4.133,90 | 4.413,90 | 4.736,90 | 5.263,60 | 5.950,70 | 6.519,30 | 7.035,60 | 8.315,00 | 9.210,50 | |
| 112 T4 (A6:3) | | | | | | | | 3.904,30 | 4.184,30 | 4.507,20 | 5.034,00 | 5.721,10 | 6.289,60 | 6.806,00 | 8.085,30 | 8.980,80 | |
| 125 T4 (A6:6) | | | | | | | | 4.668,60 | 4.991,60 | 5.518,30 | 6.205,30 | 6.773,90 | 7.290,30 | 8.569,70 | 9.465,20 | 10.602,30 | |
| 125 T4 (A6:3) | | | | | | | | 4.438,90 | 4.761,90 | 5.288,60 | 5.975,80 | 6.544,30 | 7.060,70 | 8.340,00 | 9.235,50 | 10.372,70 | |

HMF F300 | THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | |
|-----------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| 45 T6 (A2:9) | 1.012,00 | | | | | | | | | | |
| 45 T6 (A2:6) | 942,70 | | | | | | | | | | |
| 50 T6 (A2:9) | 1.082,40 | | | | | | | | | | |
| 50 T6 (A2:6) | 1.013,10 | | | | | | | | | | |
| 56 T6 (A2:9) | 1.144,00 | | | | | | | | | | |
| 56 T6 (A2:6) | 1.074,70 | | | | | | | | | | |
| 63 T6 (A2:9) | 1.198,00 | 1.327,40 | | | | | | | | | |
| 63 T6 (A2:6) | 1.128,90 | 1.258,10 | | | | | | | | | |
| 71 T6 (A2:9) | 1.271,40 | 1.400,70 | 1.440,30 | | | | | | | | |
| 71 T6 (A2:6) | 1.202,00 | 1.331,40 | 1.371,20 | | | | | | | | |
| 80 T6 (A2:9) | 1.342,50 | 1.471,80 | 1.511,50 | 1.627,40 | 1.834,10 | | | | | | |
| 80 T6 (A2:6) | 1.273,30 | 1.402,60 | 1.442,30 | 1.558,10 | 1.765,00 | | | | | | |
| 90 T6 (A6:6) | | 2.293,70 | 2.333,50 | 2.449,30 | 2.656,00 | 2.867,20 | 3.142,80 | | | | |
| 90 T6 (A6:3) | | 2.064,20 | 2.103,80 | 2.219,80 | 2.426,50 | 2.637,50 | 2.913,20 | | | | |
| 100 T6 (A6:6) | | | 2.557,60 | 2.673,40 | 2.880,20 | 3.091,20 | 3.366,90 | 3.741,60 | 4.323,20 | | |
| 100 T6 (A6:3) | | | 2.327,90 | 2.443,80 | 2.650,60 | 2.861,60 | 3.137,30 | 3.512,00 | 4.093,50 | | |
| 112 T6 (A6:6) | | | | 3.569,70 | 3.776,40 | 3.987,40 | 4.263,20 | 4.637,80 | 5.219,30 | 6.128,20 | |
| 112 T6 (A6:3) | | | | 3.340,00 | 3.546,70 | 3.757,90 | 4.033,50 | 4.408,30 | 4.989,70 | 5.898,60 | |
| 125 T6 (A6:6) | | | | | 4.031,00 | 4.242,20 | 4.517,80 | 4.892,50 | 5.473,90 | 6.382,80 | 7.007,40 |
| 125 T6 (A6:3) | | | | | 3.801,50 | 4.012,50 | 4.288,20 | 4.662,90 | 5.244,40 | 6.153,30 | 6.777,70 |

HMF F300 | THREE PHASE RANGE 2 SPEEDS 4/6 POLE | SERIE TRIFÁSICA 2 VELOCIDADES 4/6 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|------------------|-----------------------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|
| | 0,55/0,2 | 0,75/0,25 | 1,1/0,3 | 1,5/0,37 | 1,7/0,6 | 2,2/0,7 | 3/1 | 4,5/1,5 | 6/2,2 | 10/3,3 | 14/4,5 | 16/6,5 | 20/8,5 | 26/9 | 34/12 | 40/14 |
| 50 T4/T6 (A2:6) | 1.076,30 | 1.090,00 | 1.229,90 | | | | | | | | | | | | | |
| 50 T4/T6 (A2:9) | 1.145,50 | 1.159,20 | 1.299,10 | | | | | | | | | | | | | |
| 56 T4/T6 (A2:6) | 1.138,00 | 1.151,60 | 1.291,50 | 1.351,70 | 1.537,50 | 1.680,60 | | | | | | | | | | |
| 56 T4/T6 (A2:9) | 1.207,20 | 1.220,90 | 1.360,80 | 1.421,00 | 1.606,70 | 1.749,90 | | | | | | | | | | |
| 63 T4/T6 (A2:6) | 1.192,00 | 1.205,70 | 1.345,60 | 1.405,80 | 1.591,50 | 1.734,70 | | | | | | | | | | |
| 63 T4/T6 (A2:9) | 1.261,30 | 1.274,90 | 1.414,80 | 1.475,10 | 1.660,80 | 1.803,90 | | | | | | | | | | |
| 71 T4/T6 (A2:6) | 1.265,30 | 1.278,90 | 1.418,90 | 1.479,00 | 1.664,80 | 1.807,90 | 2.207,10 | | | | | | | | | |
| 71 T4/T6 (A2:9) | 1.334,50 | 1.348,20 | 1.488,10 | 1.548,40 | 1.734,00 | 1.877,20 | 2.276,40 | | | | | | | | | |
| 80 T4/T6 (A2:6) | | | 1.490,10 | 1.550,20 | 1.736,00 | 1.879,10 | 2.278,30 | 2.724,30 | 3.099,10 | | | | | | | |
| 80 T4/T6 (A2:9) | | | 1.559,30 | 1.619,50 | 1.805,20 | 1.948,40 | 2.347,60 | 2.793,60 | 3.168,30 | | | | | | | |
| 90 T4/T6 (A6:3) | | | | | 2.397,60 | 2.540,70 | 2.939,90 | 3.385,90 | 3.760,70 | 4.868,10 | 5.232,80 | | | | | |
| 90 T4/T6 (A6:6) | | | | | 2.627,10 | 2.770,30 | 3.169,50 | 3.615,60 | 3.990,20 | 5.097,70 | 5.462,40 | | | | | |
| 100 T4/T6 (A6:3) | | | | | | | | 3.610,00 | 3.984,80 | 5.092,20 | 5.456,90 | 6.648,00 | 6.818,70 | | | |
| 100 T4/T6 (A6:6) | | | | | | | | 3.839,60 | 4.214,30 | 5.321,90 | 5.686,50 | 6.877,70 | 7.048,20 | | | |
| 112 T4/T6 (A6:3) | | | | | | | | 4.506,20 | 4.881,00 | 5.988,40 | 6.353,10 | 7.544,20 | 7.714,90 | 9.632,00 | 13.516,60 | 14.463,40 |
| 112 T4/T6 (A6:6) | | | | | | | | 4.735,80 | 5.110,50 | 6.218,10 | 6.582,70 | 7.773,80 | 7.944,50 | 9.861,70 | 13.746,10 | 14.693,00 |
| 125 T4/T6 (A6:3) | | | | | | | | 4.760,90 | 5.135,60 | 6.243,10 | 6.607,80 | 7.798,90 | 7.969,50 | 9.886,70 | 13.771,20 | 14.718,10 |
| 125 T4/T6 (A6:6) | | | | | | | | 4.990,50 | 5.365,20 | 6.472,70 | 6.837,40 | 8.028,50 | 8.199,20 | 10.116,30 | 14.000,90 | 14.947,70 |

**SMOKE EXHAUST | INSIDE
DESENFUMAJE | INMERSOS
400°C/2h, 300°C/2h, 200°C/2h**

Homologación oficial APPLUS según norma EN 12101-3:2015.



HMF F300 | THREE PHASE RANGE 2 SPEEDS 4/8 POLE | SERIE TRIFÁSICA 2 VELOCIDADES 4/8 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | | |
|------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|
| | 0,6/0,15 | 0,8/0,2 | 1,2/0,3 | 1,6/0,4 | 2,2/0,55 | 2,8/0,7 | 3,8/1 | 5/1,3 | 7,2/1,8 | 11/3 | 15/3,8 | 18,5/4,8 | 24/6 | 30/7 | 37/8,5 |
| 45 T4/T8 (A2:6) | 891,70 | 948,00 | | | | | | | | | | | | | |
| 45 T4/T8 (A2:9) | 960,90 | 1.017,20 | | | | | | | | | | | | | |
| 50 T4/T8 (A2:6) | 962,00 | 1.018,30 | 1.114,70 | | | | | | | | | | | | |
| 50 T4/T8 (A2:9) | 1.031,30 | 1.087,60 | 1.183,80 | | | | | | | | | | | | |
| 56 T4/T8 (A2:6) | 1.023,60 | 1.080,00 | 1.176,30 | 1.227,40 | 1.385,20 | | | | | | | | | | |
| 56 T4/T8 (A2:9) | 1.093,00 | 1.149,20 | 1.245,60 | 1.296,80 | 1.454,50 | | | | | | | | | | |
| 63 T4/T8 (A2:6) | 1.077,70 | 1.134,00 | 1.230,30 | 1.281,50 | 1.439,30 | 1.560,70 | | | | | | | | | |
| 63 T4/T8 (A2:9) | 1.147,00 | 1.203,40 | 1.299,60 | 1.350,80 | 1.508,60 | 1.630,00 | | | | | | | | | |
| 71 T4/T8 (A2:6) | | 1.207,30 | 1.303,70 | 1.354,80 | 1.512,50 | 1.634,00 | 1.980,40 | | | | | | | | |
| 71 T4/T8 (A2:9) | | 1.276,60 | 1.372,80 | 1.424,10 | 1.581,80 | 1.703,20 | 2.049,60 | | | | | | | | |
| 80 T4/T8 (A2:6) | | | 1.374,90 | 1.426,00 | 1.583,80 | 1.705,20 | 2.051,50 | 2.365,00 | 2.758,60 | | | | | | |
| 80 T4/T8 (A2:9) | | | 1.444,00 | 1.495,30 | 1.653,00 | 1.774,40 | 2.120,80 | 2.434,20 | 2.827,80 | | | | | | |
| 90 T4/T8 (A6:3) | | | | | | 2.366,70 | 2.713,10 | 3.026,50 | 3.420,20 | 4.034,70 | 4.907,50 | | | | |
| 90 T4/T8 (A6:6) | | | | | | 2.596,40 | 2.942,70 | 3.256,10 | 3.649,70 | 4.264,40 | 5.137,10 | | | | |
| 100 T4/T8 (A6:3) | | | | | | | 2.937,30 | 3.250,60 | 3.644,30 | 4.258,90 | 5.131,50 | 5.945,70 | | | |
| 100 T4/T8 (A6:6) | | | | | | | 3.166,80 | 3.480,20 | 3.873,90 | 4.488,50 | 5.361,20 | 6.175,30 | 7.682,80 | | |
| 112 T4/T8 (A6:3) | | | | | | | 3.833,40 | 4.146,80 | 4.540,40 | 5.155,10 | 6.027,70 | 6.841,80 | 8.349,40 | 9.271,10 | 10.223,00 |
| 112 T4/T8 (A6:6) | | | | | | | 4.063,00 | 4.376,50 | 4.770,00 | 5.384,70 | 6.257,40 | 7.071,40 | 8.579,00 | 9.500,80 | 10.452,70 |
| 125 T4/T8 (A6:3) | | | | | | | | 4.401,50 | 4.795,10 | 5.409,70 | 6.282,50 | 7.096,50 | 8.604,10 | 9.525,80 | 10.477,70 |
| 125 T4/T8 (A6:6) | | | | | | | | 4.631,10 | 5.024,70 | 5.639,40 | 6.512,10 | 7.326,10 | 8.833,70 | 9.755,40 | 10.707,30 |

HMF X F300

HMF X F300 | THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | | |
|-----------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|
| | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| 45 T4 (A2:9) | 972,40 | 975,50 | | | | | | | | | | | | | | | |
| 45 T4 (A2:6) | 903,00 | 906,10 | | | | | | | | | | | | | | | |
| 50 T4 (A2:9) | 1.049,70 | 1.052,80 | 1.065,20 | | | | | | | | | | | | | | |
| 50 T4 (A2:6) | 980,50 | 983,60 | 995,90 | | | | | | | | | | | | | | |
| 56 T4 (A2:9) | 1.117,50 | 1.120,60 | 1.133,00 | 1.164,90 | 1.412,80 | | | | | | | | | | | | |
| 56 T4 (A2:6) | 1.048,40 | 1.051,50 | 1.063,80 | 1.095,50 | 1.343,40 | | | | | | | | | | | | |
| 63 T4 (A2:9) | 1.177,00 | 1.180,10 | 1.192,50 | 1.224,40 | 1.472,20 | 1.630,20 | | | | | | | | | | | |
| 63 T4 (A2:6) | 1.107,80 | 1.111,00 | 1.123,30 | 1.155,10 | 1.402,90 | 1.560,90 | | | | | | | | | | | |
| 71 T4 (A2:9) | | 1.260,70 | 1.273,10 | 1.304,90 | 1.552,80 | 1.710,80 | 1.880,90 | | | | | | | | | | |
| 71 T4 (A2:6) | | 1.191,50 | 1.203,90 | 1.235,70 | 1.483,50 | 1.641,50 | 1.811,70 | | | | | | | | | | |
| 80 T4 (A2:9) | | | 1.351,40 | 1.383,20 | 1.631,10 | 1.789,00 | 1.959,20 | 2.243,60 | 2.523,50 | | | | | | | | |
| 80 T4 (A2:6) | | | 1.282,20 | 1.314,00 | 1.561,90 | 1.719,90 | 1.890,00 | 2.174,30 | 2.454,40 | | | | | | | | |
| 90 T4 (A6:6) | | | | | | 2.637,10 | 2.807,20 | 3.091,50 | 3.371,60 | 3.694,60 | 4.221,40 | 4.908,40 | | | | | |
| 90 T4 (A6:3) | | | | | | 2.407,40 | 2.577,60 | 2.861,90 | 3.141,90 | 3.465,00 | 3.991,70 | 4.678,80 | | | | | |
| 100 T4 (A6:6) | | | | | | | | 3.338,10 | 3.618,00 | 3.941,10 | 4.467,80 | 5.154,90 | 5.723,40 | 6.239,80 | | | |
| 100 T4 (A6:3) | | | | | | | | 3.108,50 | 3.388,50 | 3.711,40 | 4.238,20 | 4.925,30 | 5.493,80 | 6.010,20 | | | |
| 112 T4 (A6:6) | | | | | | | | 4.323,90 | 4.604,00 | 4.927,00 | 5.453,70 | 6.140,70 | 6.709,20 | 7.225,60 | 8.505,00 | 9.400,40 | |
| 112 T4 (A6:3) | | | | | | | | 4.094,30 | 4.374,30 | 4.697,30 | 5.224,10 | 5.911,10 | 6.479,50 | 6.996,10 | 8.275,40 | 9.170,80 | |
| 125 T4 (A6:6) | | | | | | | | | 4.884,00 | 5.207,00 | 5.733,80 | 6.420,80 | 6.989,40 | 7.505,80 | 8.785,20 | 9.680,60 | 10.817,70 |
| 125 T4 (A6:3) | | | | | | | | | 4.654,50 | 4.977,50 | 5.504,20 | 6.191,20 | 6.759,70 | 7.276,30 | 8.555,60 | 9.451,00 | 10.588,20 |

HMF X F300 | THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | |
|-----------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | |
| 45 T6 (A2:9) | 1.030,90 | | | | | | | | | | | |
| 45 T6 (A2:6) | 961,60 | | | | | | | | | | | |
| 50 T6 (A2:9) | 1.108,30 | | | | | | | | | | | |
| 50 T6 (A2:6) | 1.038,90 | | | | | | | | | | | |
| 56 T6 (A2:9) | 1.176,10 | | | | | | | | | | | |
| 56 T6 (A2:6) | 1.106,70 | | | | | | | | | | | |
| 63 T6 (A2:9) | 1.235,60 | 1.364,90 | | | | | | | | | | |
| 63 T6 (A2:6) | 1.166,20 | 1.295,60 | | | | | | | | | | |
| 71 T6 (A2:9) | 1.316,10 | 1.445,50 | 1.485,10 | | | | | | | | | |
| 71 T6 (A2:6) | 1.246,90 | 1.376,10 | 1.415,90 | | | | | | | | | |
| 80 T6 (A2:9) | 1.394,40 | 1.523,70 | 1.563,50 | 1.679,40 | 1.886,10 | | | | | | | |
| 80 T6 (A2:6) | 1.325,20 | 1.454,50 | 1.494,10 | 1.610,00 | 1.816,80 | | | | | | | |
| 90 T6 (A6:6) | | 2.371,70 | 2.411,40 | 2.527,30 | 2.734,10 | 2.945,20 | 3.220,70 | | | | | |
| 90 T6 (A6:3) | | 2.142,10 | 2.181,90 | 2.297,70 | 2.504,50 | 2.715,50 | 2.991,30 | | | | | |
| 100 T6 (A6:6) | | | 2.658,00 | 2.773,90 | 2.980,60 | 3.191,60 | 3.467,40 | 3.842,00 | 4.423,50 | | | |
| 100 T6 (A6:3) | | | 2.428,30 | 2.544,20 | 2.750,90 | 2.962,10 | 3.237,70 | 3.612,50 | 4.193,90 | | | |
| 112 T6 (A6:6) | | | | 3.759,60 | 3.966,30 | 4.177,50 | 4.453,10 | 4.827,90 | 5.409,30 | 6.318,20 | | |
| 112 T6 (A6:3) | | | | | 3.530,00 | 3.736,90 | 3.947,80 | 4.223,50 | 4.598,20 | 5.179,80 | 6.088,50 | |
| 125 T6 (A6:6) | | | | | | 4.246,50 | 4.457,50 | 4.733,30 | 5.107,90 | 5.689,50 | 6.598,30 | 7.222,90 |
| 125 T6 (A6:3) | | | | | | 4.016,80 | 4.228,00 | 4.503,60 | 4.878,40 | 5.459,80 | 6.368,70 | 6.993,30 |

HMFx F300 | THREE PHASE RANGE 2 SPEEDS 4/6 POLE | SERIE TRIFÁSICA 2 VELOCIDADES 4/6 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|------------------|-----------------------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|
| | 0,55/0,2 | 0,75/0,25 | 1,1/0,3 | 1,5/0,37 | 1,7/0,6 | 2,2/0,7 | 3/1 | 4,5/1,5 | 6/2 | 10/3,3 | 14/4,5 | 16/6,5 | 20/8,5 | 26/9 | 34/12 | 40/14 |
| 50 T4/T6 (A2:6) | 1.102,20 | 1.115,80 | 1.255,80 | | | | | | | | | | | | | |
| 50 T4/T6 (A2:9) | 1.171,40 | 1.185,10 | 1.325,00 | | | | | | | | | | | | | |
| 56 T4/T6 (A2:6) | 1.170,00 | 1.183,70 | 1.323,60 | 1.383,80 | 1.569,50 | 1.712,70 | | | | | | | | | | |
| 56 T4/T6 (A2:9) | 1.239,20 | 1.253,00 | 1.392,80 | 1.453,00 | 1.638,70 | 1.782,00 | | | | | | | | | | |
| 63 T4/T6 (A2:6) | 1.229,50 | 1.243,10 | 1.383,10 | 1.443,30 | 1.629,00 | 1.772,10 | | | | | | | | | | |
| 63 T4/T6 (A2:9) | 1.298,70 | 1.312,40 | 1.452,30 | 1.512,50 | 1.698,20 | 1.841,40 | | | | | | | | | | |
| 71 T4/T6 (A2:6) | 1.310,10 | 1.323,80 | 1.463,70 | 1.523,80 | 1.709,60 | 1.852,80 | 2.252,00 | | | | | | | | | |
| 71 T4/T6 (A2:9) | 1.379,30 | 1.393,00 | 1.532,90 | 1.593,10 | 1.778,90 | 1.922,00 | 2.321,20 | | | | | | | | | |
| 80 T4/T6 (A2:6) | | | 1.541,90 | 1.602,20 | 1.787,90 | 1.931,00 | 2.330,20 | 2.776,30 | 3.151,00 | | | | | | | |
| 80 T4/T6 (A2:9) | | | 1.611,20 | 1.671,40 | 1.857,10 | 2.000,30 | 2.399,40 | 2.845,50 | 3.220,20 | | | | | | | |
| 90 T4/T6 (A6:3) | | | | | 2.475,50 | 2.618,70 | 3.017,90 | 3.463,90 | 3.838,60 | 4.946,10 | 5.310,80 | | | | | |
| 90 T4/T6 (A6:6) | | | | | 2.705,20 | 2.848,30 | 3.247,50 | 3.693,50 | 4.068,20 | 5.175,70 | 5.540,40 | | | | | |
| 100 T4/T6 (A6:3) | | | | | | | | 3.710,40 | 4.085,10 | 5.192,60 | 5.557,30 | 6.748,40 | 6.919,10 | | | |
| 100 T4/T6 (A6:6) | | | | | | | | 3.940,00 | 4.314,70 | 5.422,30 | 5.786,90 | 6.978,10 | 7.148,60 | | | |
| 112 T4/T6 (A6:3) | | | | | | | | 4.696,20 | 5.071,00 | 6.178,40 | 6.543,10 | 7.734,20 | 7.904,80 | 9.822,00 | 13.706,50 | 14.653,40 |
| 112 T4/T6 (A6:6) | | | | | | | | 4.925,90 | 5.300,50 | 6.408,00 | 6.772,70 | 7.963,80 | 8.134,50 | 10.051,60 | 13.936,20 | 14.883,00 |
| 125 T4/T6 (A6:3) | | | | | | | | 4.976,40 | 5.351,10 | 6.458,60 | 6.823,20 | 8.014,30 | 8.185,00 | 10.102,20 | 13.986,70 | 14.933,50 |
| 125 T4/T6 (A6:6) | | | | | | | | 5.205,90 | 5.580,70 | 6.688,20 | 7.052,90 | 8.244,00 | 8.414,70 | 10.331,80 | 14.216,20 | 15.163,20 |

HMFx F300 | THREE PHASE RANGE 2 SPEEDS 4/8 POLE | SERIE TRIFÁSICA 2 VELOCIDADES 4/8 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | | |
|------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|
| | 0,6/0,15 | 0,8/0,2 | 1,2/0,3 | 1,6/0,4 | 2,2/0,55 | 2,8/0,7 | 3,8/1 | 5/1,3 | 7,2/1,8 | 11/3 | 15/3,8 | 18,5/4,8 | 24/6 | 30/7 | 37/8,5 |
| 45 T4/T8 (A2:6) | 910,50 | 966,80 | | | | | | | | | | | | | |
| 45 T4/T8 (A2:9) | 979,70 | 1.036,10 | | | | | | | | | | | | | |
| 50 T4/T8 (A2:6) | 987,90 | 1.044,20 | 1.140,60 | | | | | | | | | | | | |
| 50 T4/T8 (A2:9) | 1.057,00 | 1.113,50 | 1.209,70 | | | | | | | | | | | | |
| 56 T4/T8 (A2:6) | 1.055,70 | 1.112,10 | 1.208,40 | 1.259,50 | 1.417,30 | | | | | | | | | | |
| 56 T4/T8 (A2:9) | 1.125,00 | 1.181,20 | 1.277,70 | 1.328,80 | 1.486,50 | | | | | | | | | | |
| 63 T4/T8 (A2:6) | 1.115,20 | 1.171,50 | 1.267,90 | 1.319,00 | 1.476,80 | 1.598,20 | | | | | | | | | |
| 63 T4/T8 (A2:9) | 1.184,50 | 1.240,80 | 1.337,00 | 1.388,20 | 1.546,00 | 1.667,40 | | | | | | | | | |
| 71 T4/T8 (A2:6) | | 1.252,10 | 1.348,40 | 1.399,60 | 1.557,40 | 1.678,80 | 2.025,20 | | | | | | | | |
| 71 T4/T8 (A2:9) | | 1.321,40 | 1.417,70 | 1.468,90 | 1.626,60 | 1.748,00 | 2.094,30 | | | | | | | | |
| 80 T4/T8 (A2:6) | | | 1.426,90 | 1.478,00 | 1.635,60 | 1.757,00 | 2.103,40 | 2.416,80 | 2.810,50 | | | | | | |
| 80 T4/T8 (A2:9) | | | 1.496,00 | 1.547,10 | 1.705,00 | 1.826,40 | 2.172,70 | 2.486,20 | 2.879,70 | | | | | | |
| 90 T4/T8 (A6:3) | | | | | | 2.444,70 | 2.791,10 | 3.104,60 | 3.498,10 | 4.112,80 | 4.985,50 | | | | |
| 90 T4/T8 (A6:6) | | | | | | 2.674,30 | 3.020,80 | 3.334,00 | 3.727,80 | 4.342,40 | 5.215,10 | | | | |
| 100 T4/T8 (A6:3) | | | | | | | 3.037,60 | 3.351,00 | 3.744,70 | 4.359,30 | 5.231,90 | 6.046,00 | | | |
| 100 T4/T8 (A6:6) | | | | | | | 3.267,20 | 3.580,70 | 3.974,20 | 4.588,90 | 5.461,60 | 6.275,60 | 7.783,20 | | |
| 112 T4/T8 (A6:3) | | | | | | | 4.023,50 | 4.336,80 | 4.730,50 | 5.345,10 | 6.217,80 | 7.031,90 | 8.539,40 | 9.461,20 | 10.413,00 |
| 112 T4/T8 (A6:6) | | | | | | | 4.253,00 | 4.566,40 | 4.960,10 | 5.574,70 | 6.447,30 | 7.261,50 | 8.769,00 | 9.690,70 | 10.642,70 |
| 125 T4/T8 (A6:3) | | | | | | | | 4.616,90 | 5.010,60 | 5.625,20 | 6.497,90 | 7.312,10 | 8.819,50 | 9.741,20 | 10.693,20 |
| 125 T4/T8 (A6:6) | | | | | | | | 4.846,60 | 5.240,30 | 5.854,90 | 6.727,50 | 7.541,50 | 9.049,20 | 9.970,90 | 10.922,90 |

SMOKE EXHAUST | INSIDE DESENFUMAJE | INMERSOS 400°C/2h, 300°C/2h, 200°C/2h

Homologación oficial APPLUS según norma EN 12101-3:2015.

HMF F200

Cased axial fan F200

Helicoidal tubular F200



HMF



MANUFACTURING FEATURES

- Long cased axial fan with reinforced body.
- Modular motor-impeller assembly.
- Impeller in aluminum injection with reinforced body. Protected against corrosion by powder coating of epoxy-polyester resin.
- Housing with motor access door.
- Standard asynchronous squirrel-cage motor with IP-55 protection and Class H insulation certified 200°C/2h. Manufactured with standard voltages: 230/400V 50Hz in three phase motors up to 3kW, and 400/690V 50Hz for higher powers. IE3 efficiency motor from 0,75kW up to 45kW in single speed.

APPLICATIONS

Designed for inline installation, they are suitable for:

- Smoke emergency exhaust with motor inside the hazardous area.
- Maximum working temperature: 60°C.

UNDER REQUEST

- B form impeller (air flow from impeller to motor). 5% additional cost.
- 100% reversible impeller. 5% additional cost.
- Different polarities.

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador tubular de estructura reforzada.
- Montaje modular del conjunto motor hélice.
- Hélice en inyección de aluminio. Protegidos contra la corrosión mediante recubrimiento en polvo de resina epoxy-poliéster.
- Trampilla de acceso al motor para facilitar las conexiones.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase H certificado 200°C/2h. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 3kW y 400/690V 50Hz para potencias superiores. Motor de eficiencia IE3 desde 0,75kW hasta 45kW de una velocidad.

APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Extracción de humo en caso de incendio estando el motor dentro de la zona de riesgo.
- Temperatura máxima de trabajo en continuo: 60°C.

BAJO DEMANDA

- Hélice impelente (sentido de aire hélice-motor). Incremento 5% sobre PVP.
- Hélice reversible 100%. Incremento 5% sobre PVP.
- Distintas polaridades.

ACCESSORIES | ACCESORIOS



INT 400 pg.434

Connexion flange.
Brida de conexión.



INT pg.434

Safety switch.
Interruptor de corte.



AC pg.411

Connexion flange.
Brida de conexión.



PC2 pg.402

Overpressure damper for facade.
Rejilla de sobrepresión anti-retorno.



BA-400 pg.416

Anti-vibrating flange 400°/2h.
flexible.
Brida antivibratoria 400°/2h.



SFC pg.433

Speed controller for single phase
motors.Regulador de velocidad
monofásico.



MC HB pg.415

Square mounting frame.
Marco soporte cuadrado.



RP1 pg.397

Inlet protection guard.
Rejilla de protección.



BAD pg.416

Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



JE 45 pg.416

Flexible joint.
Junta elástica.



RPO pg.396

Outlet protection guard.
Rejilla de protección.

HMF F200

HMF F200 | THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|--------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|----|
| | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| 45 T4 (A2:6) | 749,10 | 763,70 | | | | | | | | | | | | | | |
| 45 T4 (A2:9) | 816,40 | 831,00 | | | | | | | | | | | | | | |
| 50 T4 (A2:6) | 817,40 | 832,00 | 885,60 | 960,60 | | | | | | | | | | | | |
| 50 T4 (A2:9) | 884,70 | 899,30 | 952,80 | 1.027,90 | | | | | | | | | | | | |
| 56 T4 (A2:6) | 877,40 | 892,00 | 945,50 | 1.020,50 | 1.145,40 | | | | | | | | | | | |
| 56 T4 (A2:9) | 944,50 | 959,10 | 1.012,70 | 1.087,70 | 1.212,60 | | | | | | | | | | | |
| 63 T4 (A2:6) | 929,80 | 944,40 | 997,90 | 1.073,00 | 1.197,90 | 1.330,10 | | | | | | | | | | |
| 63 T4 (A2:9) | 997,00 | 1.011,60 | 1.065,20 | 1.140,20 | 1.265,10 | 1.397,40 | | | | | | | | | | |
| 71 T4 (A2:6) | 1.000,90 | 1.015,50 | 1.069,20 | 1.144,10 | 1.269,00 | 1.401,20 | 1.530,50 | | | | | | | | | |
| 71 T4 (A2:9) | 1.068,20 | 1.082,80 | 1.136,30 | 1.211,40 | 1.336,30 | 1.468,50 | 1.597,60 | | | | | | | | | |
| 80 T4 (A2:6) | | | 1.138,30 | 1.213,20 | 1.338,20 | 1.470,30 | 1.599,60 | 1.862,10 | 2.087,30 | | | | | | | |
| 80 T4 (A2:9) | | | 1.205,50 | 1.280,50 | 1.405,30 | 1.537,60 | 1.666,80 | 1.929,30 | 2.154,60 | | | | | | | |
| 90 T4 (A6:3) | | | | | | 2.112,60 | 2.241,80 | 2.504,40 | 2.729,60 | 3.505,00 | 3.742,00 | | | | | |
| 90 T4 (A6:6) | | | | | | 2.335,60 | 2.464,70 | 2.727,30 | 2.952,50 | 3.728,00 | 3.965,00 | | | | | |
| 100 T4 (A6:3) | | | | | | | | 2.721,90 | 2.947,20 | 3.722,60 | 3.959,70 | 5.082,30 | 5.447,50 | | | |
| 100 T4 (A6:6) | | | | | | | | 2.944,90 | 3.170,10 | 3.945,50 | 4.182,50 | 5.305,10 | 5.670,50 | | | |
| 112 T4 (A6:3) | | | | | | | | 3.592,10 | 3.817,30 | 4.592,70 | 4.829,70 | 5.952,30 | 6.317,60 | 7.361,00 | 8.954,30 | |
| 112 T4 (A6:6) | | | | | | | | 3.815,00 | 4.040,20 | 4.815,60 | 5.052,70 | 6.175,20 | 6.540,60 | 7.584,00 | 9.177,20 | |
| 125 T4 (A6:3) | | | | | | | | 4.064,50 | 4.840,00 | 5.077,00 | 6.199,50 | 6.564,90 | 7.608,30 | 9.201,60 | 10.120,20 | |
| 125 T4 (A6:6) | | | | | | | | 4.287,50 | 5.062,90 | 5.299,90 | 6.422,50 | 6.787,80 | 7.831,20 | 9.424,40 | 10.343,20 | |

HMF F200 | THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | |
|-----------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 |
| 45 T6 (A2:6) | 777,80 | | | | | | | | | | | | |
| 45 T6 (A2:9) | 845,00 | | | | | | | | | | | | |
| 50 T6 (A2:6) | 846,10 | | | | | | | | | | | | |
| 50 T6 (A2:9) | 913,30 | | | | | | | | | | | | |
| 56 T6 (A2:6) | 905,90 | | | | | | | | | | | | |
| 56 T6 (A2:9) | 973,20 | | | | | | | | | | | | |
| 63 T6 (A2:6) | 958,40 | 1.058,70 | | | | | | | | | | | |
| 63 T6 (A2:9) | 1.025,70 | 1.125,90 | | | | | | | | | | | |
| 71 T6 (A2:6) | 1.029,60 | 1.129,80 | 1.161,70 | 1.290,60 | | | | | | | | | |
| 71 T6 (A2:9) | 1.096,80 | 1.197,10 | 1.229,00 | 1.357,90 | | | | | | | | | |
| 80 T6 (A2:6) | 1.098,70 | 1.198,90 | 1.230,80 | 1.359,80 | 1.505,90 | | | | | | | | |
| 80 T6 (A2:9) | 1.165,90 | 1.266,10 | 1.298,00 | 1.427,10 | 1.573,20 | | | | | | | | |
| 90 T6 (A6:3) | | 1.841,30 | 1.873,10 | 2.002,10 | 2.148,20 | 2.480,90 | 2.586,30 | | | | | | |
| 90 T6 (A6:6) | | 2.064,20 | 2.096,00 | 2.225,00 | 2.371,20 | 2.703,80 | 2.809,20 | | | | | | |
| 100 T6 (A6:3) | | | | | | 2.698,50 | 2.803,80 | 3.046,10 | 3.688,90 | | | | |
| 100 T6 (A6:6) | | | | | | 2.921,40 | 3.026,80 | 3.269,00 | 3.911,90 | | | | |
| 112 T6 (A6:3) | | | | | | 3.568,60 | 3.673,90 | 3.916,20 | 4.559,00 | 5.181,30 | | | |
| 112 T6 (A6:6) | | | | | | 3.791,50 | 3.896,90 | 4.139,20 | 4.781,90 | 5.404,10 | | | |
| 125 T6 (A6:3) | | | | | | 3.815,80 | 3.921,20 | 4.163,50 | 4.806,20 | 5.428,50 | 6.217,30 | 7.470,50 | 7.738,90 |
| 125 T6 (A6:6) | | | | | | 4.038,80 | 4.144,10 | 4.386,40 | 5.029,20 | 5.651,40 | 6.440,30 | 7.693,50 | 7.961,80 |

HMF F200 | THREE PHASE RANGE 2 SPEEDS 4/6 POLE | SERIE TRIFÁSICA 2 VELOCIDADES 4/6 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | | |
|------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|
| | 0,25/0,75 | 0,30/1,1 | 0,37/1,5 | 0,60/1,7 | 0,70/2,2 | 1,0/3,0 | 1,5/4,5 | 2,2/6,0 | 3,3/10 | 4,5/14 | 6,5/16 | 8,5/20 | 9,0/26 | 12/34 | 14/40 |
| 45 T4/T6 (A2:6) | 769,50 | | | | | | | | | | | | | | |
| 45 T4/T6 (A2:9) | 836,70 | | | | | | | | | | | | | | |
| 50 T4/T6 (A2:6) | 837,80 | 923,90 | | | | | | | | | | | | | |
| 50 T4/T6 (A2:9) | 905,00 | 991,10 | | | | | | | | | | | | | |
| 56 T4/T6 (A2:6) | 897,70 | 983,80 | 1.021,00 | 1.135,70 | 1.224,10 | | | | | | | | | | |
| 56 T4/T6 (A2:9) | 964,90 | 1.051,00 | 1.088,20 | 1.203,00 | 1.291,30 | | | | | | | | | | |
| 63 T4/T6 (A2:6) | 950,10 | 1.036,20 | 1.073,50 | 1.188,20 | 1.276,60 | | | | | | | | | | |
| 63 T4/T6 (A2:9) | 1.017,40 | 1.103,50 | 1.140,70 | 1.255,50 | 1.343,70 | | | | | | | | | | |
| 71 T4/T6 (A2:6) | 1.021,30 | 1.107,50 | 1.144,60 | 1.259,40 | 1.347,70 | 1.593,80 | | | | | | | | | |
| 71 T4/T6 (A2:9) | 1.088,50 | 1.174,60 | 1.211,90 | 1.326,60 | 1.414,90 | 1.661,10 | | | | | | | | | |
| 80 T4/T6 (A2:6) | | 1.176,50 | 1.213,70 | 1.328,50 | 1.416,80 | 1.662,90 | 1.964,60 | 2.200,20 | | | | | | | |
| 80 T4/T6 (A2:9) | | 1.243,80 | 1.280,90 | 1.395,70 | 1.484,00 | 1.730,20 | 2.031,80 | 2.267,40 | | | | | | | |
| 90 T4/T6 (A6:3) | | 1.818,80 | 1.856,10 | 1.970,70 | 2.059,10 | 2.305,30 | 2.607,00 | 2.842,50 | 3.439,70 | 3.659,10 | | | | | |
| 90 T4/T6 (A6:6) | | 2.041,70 | 2.079,00 | 2.193,70 | 2.282,10 | 2.528,20 | 2.829,90 | 3.065,40 | 3.662,70 | 3.882,10 | | | | | |
| 100 T4/T6 (A6:3) | | | | | | | 2.824,50 | 3.060,10 | 3.657,30 | 3.876,70 | 4.593,40 | 4.696,20 | | | |
| 100 T4/T6 (A6:6) | | | | | | | 3.047,50 | 3.283,00 | 3.880,20 | 4.099,60 | 4.816,40 | 4.919,10 | | | |
| 112 T4/T6 (A6:3) | | | | | | | 3.694,60 | 3.930,10 | 4.527,40 | 4.746,80 | 5.463,50 | 5.566,30 | 6.716,30 | 9.388,60 | 9.985,90 |
| 112 T4/T6 (A6:6) | | | | | | | 3.917,50 | 4.153,00 | 4.750,20 | 4.969,80 | 5.686,40 | 5.789,20 | 6.939,30 | 9.611,50 | 10.208,70 |
| 125 T4/T6 (A6:3) | | | | | | | 4.177,40 | 4.774,70 | 4.994,10 | 5.710,70 | 5.813,50 | 6.963,60 | 9.635,90 | 10.233,10 | |
| 125 T4/T6 (A6:6) | | | | | | | 4.400,30 | 4.997,50 | 5.217,00 | 5.933,70 | 6.036,40 | 7.186,50 | 9.858,80 | 10.456,00 | |

HMF F200 | THREE PHASE RANGE 2 SPEEDS 4/8 POLE | SERIE TRIFÁSICA 2 VELOCIDADES 4/8 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | | |
|------------------|-----------------------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,15/0,60 | 0,20/0,80 | 0,30/1,2 | 0,40/1,6 | 0,55/2,2 | 0,70/2,8 | 1,0/3,8 | 1,3/5,0 | 1,8/7,2 | 3,0/11 | 3,5/14 | 4,3/17 | 5,0/20 | 6,5/28 | 8,0/30 | 9,2/37 | 11/44 |
| 45 T4/T8 (A2:6) | 716,20 | 751,10 | | | | | | | | | | | | | | | |
| 45 T4/T8 (A2:9) | 783,50 | 818,40 | | | | | | | | | | | | | | | |
| 50 T4/T8 (A2:6) | 784,50 | 819,40 | 883,60 | | | | | | | | | | | | | | |
| 50 T4/T8 (A2:9) | 851,70 | 886,70 | 950,80 | | | | | | | | | | | | | | |
| 56 T4/T8 (A2:6) | 844,40 | 879,30 | 943,40 | 977,20 | 1.082,00 | 1.162,60 | | | | | | | | | | | |
| 56 T4/T8 (A2:9) | 911,60 | 946,50 | 1.010,70 | 1.044,50 | 1.149,20 | 1.229,80 | | | | | | | | | | | |
| 63 T4/T8 (A2:6) | 896,90 | 931,80 | 995,90 | 1.029,70 | 1.134,50 | 1.215,10 | | | | | | | | | | | |
| 63 T4/T8 (A2:9) | 964,10 | 999,00 | 1.063,20 | 1.097,00 | 1.201,60 | 1.282,30 | | | | | | | | | | | |
| 71 T4/T8 (A2:6) | 968,00 | 1.002,90 | 1.067,10 | 1.100,80 | 1.205,60 | 1.286,20 | 1.516,50 | | | | | | | | | | |
| 71 T4/T8 (A2:9) | 1.035,20 | 1.070,20 | 1.134,30 | 1.168,10 | 1.272,80 | 1.353,50 | 1.583,70 | | | | | | | | | | |
| 80 T4/T8 (A2:6) | | | 1.136,10 | 1.170,00 | 1.274,70 | 1.355,30 | 1.585,60 | 1.816,90 | 2.082,80 | | | | | | | | |
| 80 T4/T8 (A2:9) | | | 1.203,40 | 1.237,20 | 1.342,00 | 1.422,60 | 1.652,80 | 1.884,10 | 2.150,10 | | | | | | | | |
| 90 T4/T8 (A6:3) | | | | | 1.917,00 | 1.997,70 | 2.227,80 | 2.459,30 | 2.725,20 | 3.060,70 | 3.458,50 | | | | | | |
| 90 T4/T8 (A6:6) | | | | | 2.140,00 | 2.220,60 | 2.450,80 | 2.682,10 | 2.948,10 | 3.283,60 | 3.681,40 | | | | | | |
| 100 T4/T8 (A6:3) | | | | | | | | 2.676,80 | 2.942,70 | 3.278,30 | 3.676,00 | 4.333,50 | 4.425,50 | | | | |
| 100 T4/T8 (A6:6) | | | | | | | | 2.899,80 | 3.165,70 | 3.501,20 | 3.898,90 | 4.556,50 | 4.648,40 | | | | |
| 112 T4/T8 (A6:3) | | | | | | | | 3.546,80 | 3.812,80 | 4.148,40 | 4.546,10 | 5.203,60 | 5.295,60 | 6.229,00 | 6.924,50 | 8.737,30 | 9.424,50 |
| 112 T4/T8 (A6:6) | | | | | | | | 3.769,80 | 4.035,80 | 4.371,30 | 4.769,00 | 5.426,50 | 5.518,50 | 6.452,00 | 7.147,30 | 8.960,20 | 9.647,40 |
| 125 T4/T8 (A6:3) | | | | | | | | 4.060,10 | 4.395,60 | 4.793,40 | 5.450,80 | 5.542,80 | 6.476,30 | 7.171,70 | 8.984,50 | 9.671,80 | |
| 125 T4/T8 (A6:6) | | | | | | | | 4.283,00 | 4.618,60 | 5.016,20 | 5.673,80 | 5.765,80 | 6.699,20 | 7.394,60 | 9.207,50 | 9.894,70 | |

SMOKE EXHAUST | INSIDE DESENFUMAJE | INMERSOS 400°C/2h, 300°C/2h, 200°C/2h

Homologación oficial APPLUS según norma EN 12101-3:2015.

JFC

Axial cased fan F400, F300 and confort (Jet fan Core)

Ventilador helicoidal tubular F400, F300 y confort (Jet fan Core)



MANUFACTURING FEATURES

- Reinforced structure tubular fan powder coated polyester resin RAL 5010 color.
- Modular assembly of the propeller motor assembly. Propeller in aluminum injection. Protected against corrosion by powder coating of epoxy resin.
- Housing with motor access door.
- Standard asynchronous squirrel-cage motor with IP-55 protection and class H insulation, certified 400°C/2h and 300°C/2h (see data table). Standard voltages 230/400V 50Hz three phase motors. H versions have the same impeller configuration but higher powers.

APPLICATIONS

- Designed for duct installation, they are suitable for:
- Smoke extraction in case of fire with the motor inside the hazardous area.
 - Maximum continuous working temperature: 60°C.

UNDER REQUEST

- B form impeller (air flow from impeller to motor). 5% additional cost.
- 100% reversible impeller. 5% additional cost.
- Different polarities.

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador tubular de estructura reforzada recubrimiento de polvo de resina poliéster de color RAL 5010.
- Montaje modular del conjunto motor hélice. Hélice en inyección de aluminio. Protegidos contra la corrosión mediante recubrimiento en polvo de resina epoxy.
- Trampilla de acceso al motor para facilitar las conexiones.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase H homologado para 400°C/2h y 300°C/2h (ver tabla de datos). Voltajes estándar 230/400V 50Hz motores trifásicos. Las versiones H son con potencias más altas pero misma configuración de hélice.

APLICACIONES

- Diseñados para instalación en conducto, son indicados para:
- Extracción de humo en caso de incendio estando el motor dentro de la zona de riesgo.
 - Temperatura máxima de trabajo en continuo: 60°C.

BAJO DEMANDA

- Hélice impelente (sentido de aire hélice-motor). Incremento 5% sobre PVP.
- Hélice reversible 100%. Incremento 5% sobre PVP.
- Distintas polaridades.

ACCESSORIES | ACCESORIOS



SFC pg.433

Speed controller for single phase motors.
Regulador de velocidad monofásico.



INT pg.434

Safety switch.
Interruptor de corte.



INT 400 pg.434

Connexion flange.
Brida de conexión.

JFC CONFORT

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Weight Kg | R.R.P € |
|-------------|----------------------|--------|-------------|------|---------------|---------------|-----------|---------|
| | | | 230V | 400V | | | | |
| Código | Modelo | R.P.M. | I. Nom.(A) | | P. Nom. kW | Q. máx. m³/h | Peso Kg | PVP € |
| | | | 230V | 400V | | | | |
| 274300188ST | JFC CORE 315 T2 UN | 3336 | 2,36 | 1,36 | 0,55 | 2.290 | 23 | 399,70 |
| 274310188ST | JFC CORE 315/H T2 UN | 3432 | 4,14 | 2,39 | 1,1 | 2.890 | 25 | 511,10 |
| 274350188ST | JFC CORE 355 T2 UN | 3336 | 2,36 | 1,36 | 0,55 | 2.810 | 29 | 409,90 |
| 274360188ST | JFC CORE 355/H T2 UN | 3432 | 4,14 | 2,39 | 1,1 | 3.680 | 31 | 521,20 |
| 274400188ST | JFC CORE 400 T2 UN | 3432 | 4,14 | 2,39 | 1,1 | 4.230 | 47 | 536,30 |
| 274410188ST | JFC CORE 400/H T2 UN | 3450 | 5,83 | 3,14 | 1,5 | 5.550 | 54 | 581,90 |

THREE PHASE RANGE 2 SPEEDS | SERIE TRIFÁSICA 2 VELOCIDADES

| Code | Model | R.P.M. | Rated I (A) 400V | Rat. Pow. kW | Air flow m³/h | Weight Kg | R.R.P € |
|-------------|-------------------------|-----------|------------------|--------------|---------------|-----------|---------|
| Código | Modelo | R.P.M. | I. Nom.(A) 400V | P. Nom. kW | Q. máx. m³/h | Peso Kg | PVP € |
| 274300288ST | JFC CORE 315 T2/T4 UN | 3420/1710 | 1,45/0,47 | 0,55 | 2.290 | 23 | 434,20 |
| 274310288ST | JFC CORE 315/H T2/T4 UN | 3420/1710 | 2,36/0,59 | 1,1 | 2.890 | 25 | 567,70 |
| 274350288ST | JFC CORE 355 T2/T4 UN | 3420/1710 | 1,45/0,47 | 0,55 | 2.810 | 29 | 444,20 |
| 274360288ST | JFC CORE 355/H T2/T4 UN | 3420/1710 | 2,36/0,59 | 1,1 | 3.680 | 31 | 577,80 |
| 274400288ST | JFC CORE 400 T2/T4 UN | 3420/1710 | 2,36/0,59 | 1,1 | 4.230 | 47 | 593,10 |
| 274410288ST | JFC CORE 400/H T2/T4 UN | 3480/1435 | 3,54/1,54 | 1,5 | 5.550 | 54 | 647,70 |

JFC F300

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Weight Kg | R.R.P € |
|-------------|---------------------------|--------|-------------|------|---------------|---------------|-----------|-----------------|
| | | | 230V | 400V | | | | |
| Código | Modelo | R.P.M. | I. Nom.(A) | | P. Nom. kW | Q máx. m³/h | Peso Kg | PVP € |
| | | | 230V | 400V | | | | |
| 274300188F3 | JFC CORE 315 T2 UN F300 | 3336 | 2,36 | 1,36 | 0,55 | 2.290 | 23 | 733,70 |
| 274310188F3 | JFC CORE 315/H T2 UN F300 | 3432 | 4,14 | 2,39 | 1,1 | 2.890 | 25 | 834,90 |
| 274350188F3 | JFC CORE 355 T2 UN F300 | 3336 | 2,36 | 1,36 | 0,55 | 2.810 | 29 | 743,90 |
| 274360188F3 | JFC CORE 355/H T2 UN F300 | 3432 | 4,14 | 2,39 | 1,1 | 3.680 | 31 | 819,70 |
| 274400188F3 | JFC CORE 400 T2 UN F300 | 3432 | 4,14 | 2,39 | 1,1 | 4.230 | 47 | 834,90 |
| 274410188F3 | JFC CORE 400/H T2 UN F300 | 3390 | 5,83 | 3,14 | 1,5 | 5.550 | 54 | 1.012,00 |

THREE PHASE RANGE 2 SPEEDS | SERIE TRIFÁSICA 2 VELOCIDADES

| Code | Model | R.P.M. | Rated I (A) 400V | Rat. Pow. kW | Air flow m³/h | Weight Kg | R.R.P € |
|-------------|------------------------------|-----------|------------------|--------------|---------------|-----------|-----------------|
| Código | Modelo | R.P.M. | I. Nom.(A) 400V | P. Nom. kW | Q máx. m³/h | Peso Kg | PVP € |
| 274300288F3 | JFC CORE 315 T2/T4 UN F300 | 3420/1710 | 1,45/0,47 | 0,55 | 2.290 | 23 | 834,90 |
| 274310288F3 | JFC CORE 315/H T2/T4 UN F300 | 3420/1710 | 2,36/0,59 | 1,1 | 2.890 | 25 | 926,00 |
| 274350288F3 | JFC CORE 355 T2/T4 UN F300 | 3420/1710 | 1,45/0,47 | 0,55 | 2.810 | 29 | 845,00 |
| 274360288F3 | JFC CORE 355/H T2/T4 UN F300 | 3420/1710 | 2,36/0,59 | 1,1 | 3.680 | 31 | 936,10 |
| 274400288F3 | JFC CORE 400 T2/T4 UN F300 | 3420/1710 | 2,36/0,59 | 1,1 | 4.230 | 47 | 951,30 |
| 274410288F3 | JFC CORE 400/H T2/T4 UN F300 | 3480/1435 | 3,54/1,54 | 1,5 | 5.550 | 54 | 1.163,80 |

JFC F400

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Weight Kg | R.R.P € |
|-----------|---------------------------|--------|-------------|------|---------------|---------------|-----------|-----------------|
| | | | 230V | 400V | | | | |
| Código | Modelo | R.P.M. | I. Nom.(A) | | P. Nom. kW | Q máx. m³/h | Peso Kg | PVP € |
| | | | 230V | 400V | | | | |
| 274300188 | JFC CORE 315 T2 UN F400 | 3336 | 2,36 | 1,36 | 0,55 | 2.290 | 23 | 966,50 |
| 274310188 | JFC CORE 315/H T2 UN F400 | 3432 | 4,14 | 2,39 | 1,1 | 2.890 | 25 | 1.047,40 |
| 274350188 | JFC CORE 355 T2 UN F400 | 3336 | 2,36 | 1,36 | 0,55 | 2.810 | 29 | 976,60 |
| 274360188 | JFC CORE 355/H T2 UN F400 | 3432 | 4,14 | 2,39 | 1,1 | 3.680 | 31 | 1.057,60 |
| 274400188 | JFC CORE 400 T2 UN F400 | 3432 | 4,14 | 2,39 | 1,1 | 4.230 | 47 | 1.072,70 |
| 274410188 | JFC CORE 400/H T2 UN F400 | 3390 | 5,83 | 3,14 | 1,5 | 5.550 | 54 | 1.416,80 |

THREE PHASE RANGE 2 SPEEDS | SERIE TRIFÁSICA 2 VELOCIDADES

| Code | Model | R.P.M. | Rated I (A) 400V | Rat. Pow. kW | Air flow m³/h | Weight Kg | R.R.P € |
|-----------|------------------------------|-----------|------------------|--------------|---------------|-----------|-----------------|
| Código | Modelo | R.P.M. | I. Nom.(A) 400V | P. Nom. kW | Q máx. m³/h | Peso Kg | PVP € |
| 274300288 | JFC CORE 315 T2/T4 UN F400 | 3420/1710 | 1,45/0,47 | 0,55 | 2.290 | 23 | 1.114,20 |
| 274310288 | JFC CORE 315/H T2/T4 UN F400 | 3420/1710 | 2,36/0,59 | 1,1 | 2.890 | 25 | 1.211,40 |
| 274350288 | JFC CORE 355 T2/T4 UN F400 | 3420/1710 | 1,45/0,47 | 0,55 | 2.810 | 29 | 1.124,30 |
| 274360288 | JFC CORE 355/H T2/T4 UN F400 | 3420/1710 | 2,36/0,59 | 1,1 | 3.680 | 31 | 1.221,50 |
| 274400288 | JFC CORE 400 T2/T4 UN F400 | 3420/1710 | 2,36/0,59 | 1,1 | 4.230 | 47 | 1.236,60 |
| 274410288 | JFC CORE 400/H T2/T4 UN F400 | 3480/1435 | 3,54/1,54 | 1,5 | 5.550 | 54 | 1.674,80 |

SMOKE EXHAUST | INSIDE DESENFUMAJE | INMERSOS 400°C/2h, 300°C/2h, 200°C/2h

Homologación oficial APPLUS según norma EN 12101-3:2015.

BOX HBF | BOX HBFX F400

Axial fan in soundproof cabinet F400

Helicoidal en caja insonorizada F400



BOX HBF



BOX HBFX



MANUFACTURING FEATURES

- BOX: manufactured in galvanised steel sheet with thermal proofing. Soundproof cabinets with thermo-acoustic insulation, Bs1d0 fire class. Removable panels for easy motor access and fan maintenance.
- Internal fan: HBF (HBFX in BOX HBFX version) in sizes from 45 to 80; HCF in sizes from 90 to 125. Axial fan with circular reinforced frame. Modular motor-impeller assembly. Modular motor-impeller assembly. Impeller in aluminum injection with reinforced body. Protected against corrosion by powder coating of epoxy-polyester resin.
- Standard asynchronous squirrel-cage motor with IP-55 protection and Class H insulation certified 400°C/2h for BOX HBF; 400°C/2h for BOX HBFX. Standard voltages 230/400V 50Hz in three phase motors up to 3kW and 400/690V 50Hz for higher powers. IE3 efficiency motor from 0,75kW up to 45kW in single speed.
- ATEX II3G (BOX HBFX) version.

APPLICATIONS

- Designed for wall or duct installation, they are suitable for:
- Smoke emergency exhaust with motor inside the hazardous area.
 - Cabinet design simplifies installation in rectangular duct systems.
 - Maximum working temperature: 60°C.

UNDER REQUEST

- B form impeller (air flow from impeller to motor). 5% additional cost.
- 100% reversible impeller. 5% additional cost.

CARACTERÍSTICAS CONSTRUCTIVAS

- BOX: caja construida en chapa de acero galvanizado con aislamiento térmico. Aislada con aislamiento térmico y acústico con clasificación al fuego Bs1d0. Paneles laterales desmontables para facilitar el acceso al motor y el mantenimiento.
- Ventilador interior: HBF (HBFX en versión BOX HBFX) para tamaños del 45 al 80; HCF para tamaños del 90 al 125. Ventilador helicoidal de marco redondo reforzado. Montaje modular del conjunto motor hélice. Hélice en inyección de aluminio. Protegidos contra la corrosión mediante recubrimiento en polvo de resina epoxy.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase H certificado 400°C/2h para BOX HBF; 400°C/2h para BOX HBFX. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 3kW y 400/690V 50Hz para potencias superiores. Motor de eficiencia IE3 desde 0,75kW hasta 45kW de una velocidad.
- Versión ATEX II3G (BOX HBFX).

APLICACIONES

- Diseñados para montaje en pared o en conducto, son indicados para:
- Extracción de humo en caso de incendio estando el motor dentro de la zona de riesgo.
 - La construcción en caja facilita muchísimo su instalación en conductos que habitualmente son rectangulares.
 - Temperatura máxima de trabajo en continuo: 60°C.

BAJO DEMANDA

- Hélice impelente (sentido de aire hélice-motor). Incremento 5% sobre PVP.
- Hélice reversible 100%. Incremento 5% sobre PVP.

ACCESSORIES | ACCESORIOS



INT 400 pg.434

Connexion flange.
Brida de conexión.



INT pg.434

Safety switch.
Interruptor de corte.



AC pg.411

Connexion flange.
Brida de conexión.



BA-400 pg.416

Anti-vibrating flange 400º/2h.
flexible.
Brida antivibratoria 400º/2h.



SFC pg.433

Speed controller for single phase motors.
Regulador de velocidad monofásico.



INT ATEX pg.434

Switch for ATEX environments.
Interruptor para funcionar en entornos ATEX.



PC2 pg.402

Overpressure damper for facade.
Rejilla de sobrepresión antirretorno.



BAD pg.416

Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



JE 45 pg.416

Flexible joint.
Junta elástica.

BOX HBF F400

BOX HBF F400 | THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|-----------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|
| | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| 45 T4 (A5:6) | 1.600,30 | | | | | | | | | | | | | | | |
| 50 T4 (A5:6) | 1.634,90 | | | | | | | | | | | | | | | |
| 56 T4 (A5:6) | 1.775,30 | 1.876,50 | 2.034,30 | | | | | | | | | | | | | |
| 63 T4 (A5:6) | 1.807,10 | 1.908,20 | 2.066,10 | 2.232,50 | | | | | | | | | | | | |
| 71 T4 (A5:6) | 2.000,30 | 2.101,50 | 2.259,40 | 2.425,80 | 2.606,80 | | | | | | | | | | | |
| 80 T4 (A5:6) | | | | 2.470,10 | 2.651,00 | 2.780,20 | | | | | | | | | | |
| 90 T4 (A3:8) | | | | 4.073,40 | 4.202,70 | 4.407,00 | 4.732,40 | 4.991,00 | 5.421,60 | 5.902,30 | 6.641,40 | | | | | |
| 90 T4 (A3:4) | | | | 3.796,40 | 3.925,70 | 4.155,50 | 4.455,50 | 4.713,90 | 5.144,70 | 5.625,30 | 6.364,40 | | | | | |
| 100 T4 (A3:8) | | | | | | | 4.840,20 | 5.098,60 | 5.529,40 | 6.010,00 | 6.749,10 | 7.531,00 | 8.090,10 | | | |
| 100 T4 (A3:4) | | | | | | | 4.563,20 | 4.821,70 | 5.252,30 | 5.733,00 | 6.472,20 | 7.253,90 | 7.813,10 | | | |
| 112 T4 (A3:8) | | | | | | | | 5.851,10 | 6.281,70 | 6.762,40 | 7.501,50 | 8.283,30 | 8.842,40 | 10.386,90 | 11.851,00 | |
| 112 T4 (A3:4) | | | | | | | | 5.574,00 | 6.004,80 | 6.485,40 | 7.224,50 | 8.006,30 | 8.565,30 | 10.109,90 | 11.574,00 | |
| 125 T4 (A3:8) | | | | | | | | | | 6.848,90 | 7.588,00 | 8.369,80 | 8.929,00 | 10.473,50 | 11.937,50 | 12.662,50 |
| 125 T4 (A3:4) | | | | | | | | | | 6.571,90 | 7.311,00 | 8.092,90 | 8.652,10 | 10.196,50 | 11.660,50 | 12.385,40 |

BOX HBF F400 | THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | |
|-----------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| 45 T6 (A5:6) | 1.809,40 | | | | | | | | | |
| 50 T6 (A5:6) | 1.844,10 | | | | | | | | | |
| 56 T6 (A5:6) | 1.984,40 | | | | | | | | | |
| 63 T6 (A5:6) | 2.016,20 | | | | | | | | | |
| 71 T6 (A5:6) | 2.209,50 | | | | | | | | | |
| 80 T6 (A5:6) | 2.253,90 | 2.317,30 | 2.607,60 | 2.684,10 | | | | | | |
| 90 T6 (A3:8) | | | 4.029,90 | 4.106,60 | 4.549,50 | 4.382,80 | 5.068,40 | | | |
| 90 T6 (A3:4) | | | 3.752,90 | 3.829,60 | 4.272,50 | 4.105,70 | 4.791,40 | | | |
| 100 T6 (A3:8) | | | 4.137,60 | 4.214,30 | 4.657,40 | 4.490,60 | 5.176,20 | 6.432,50 | | |
| 100 T6 (A3:4) | | | 3.860,60 | 3.937,20 | 4.380,30 | 4.213,60 | 4.899,20 | 6.155,50 | | |
| 112 T6 (A3:8) | | | | 4.966,70 | 5.409,60 | 5.242,90 | 5.928,50 | 7.184,90 | 7.849,50 | |
| 112 T6 (A3:4) | | | | 4.689,70 | 5.132,60 | 4.965,80 | 5.651,50 | 6.907,90 | 7.572,60 | |
| 125 T6 (A3:8) | | | | | 5.496,30 | 5.329,50 | 6.015,10 | 7.271,40 | 7.936,10 | 8.788,90 |
| 125 T6 (A3:4) | | | | | 5.219,30 | 5.052,60 | 5.738,10 | 6.994,40 | 7.659,10 | 8.511,90 |

BOX HBF F400 | THREE PHASE RANGE 2 SPEEDS 4/8 POLE | SERIE TRIFÁSICA 2 VELOCIDADES 4/8 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|
| | 0,8/0,2 | 1,2/0,3 | 1,6/0,4 | 2,2/0,37 | 3/0,55 | 4/0,75 | 5,5/1,1 | 7,5/1,5 | 10/2 | 14/3 | 16,5/3,3 | 20/4 | 27/5,4 | 30/6,5 | 35/7,5 | 40/8 |
| 45 T4/T8 (A5:6) | 1.862,00 | | | | | | | | | | | | | | | |
| 50 T4/T8 (A5:6) | 1.896,60 | | | | | | | | | | | | | | | |
| 56 T4/T8 (A5:6) | 2.037,00 | 2.173,20 | 2.215,80 | | | | | | | | | | | | | |
| 63 T4/T8 (A5:6) | 2.068,80 | 2.204,90 | 2.247,50 | 2.332,80 | | | | | | | | | | | | |
| 71 T4/T8 (A5:6) | 2.262,10 | 2.398,10 | 2.440,80 | 2.526,10 | 2.834,10 | | | | | | | | | | | |
| 80 T4/T8 (A5:6) | | | | 2.570,40 | 2.878,50 | 2.963,80 | | | | | | | | | | |
| 90 T4/T8 (A3:4) | | | | 4.023,90 | 4.109,20 | 4.663,40 | 5.213,10 | 5.781,60 | | | | | | | | |
| 90 T4/T8 (A3:8) | | | | | | 4.940,50 | 5.490,10 | 6.058,70 | 7.323,70 | 8.475,50 | | | | | | |
| 100 T4/T8 (A3:4) | | | | | | 4.771,20 | 5.320,80 | 5.889,40 | 7.154,30 | 8.306,20 | | | | | | |
| 100 T4/T8 (A3:8) | | | | | | | | 6.166,30 | 7.431,40 | 8.583,20 | 8.823,10 | | | | | |
| 112 T4/T8 (A3:4) | | | | | | | | 6.073,20 | 6.641,70 | 7.906,80 | 9.058,50 | 9.298,40 | | | | |
| 112 T4/T8 (A3:8) | | | | | | | | | 8.183,70 | 9.335,60 | 9.575,50 | 11.566,40 | 13.053,20 | 15.889,10 | | |
| 125 T4/T8 (A3:4) | | | | | | | | | 6.728,30 | 7.993,30 | 9.145,30 | 9.385,00 | 11.375,90 | 12.862,80 | 15.698,80 | |
| 125 T4/T8 (A3:8) | | | | | | | | | | | 9.422,20 | 9.662,00 | 11.653,00 | 13.139,80 | 15.975,70 | 17.331,80 |

SMOKE EXHAUST | INSIDE
DESENFUMAJE | INMERSOS
400°C/2h, 300°C/2h, 200°C/2h

Homologación oficial APPLUS según norma EN 12101-3:2015.



BOX HBFX F400

BOX HBFX F400 | THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|-----------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|
| | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| 45 T4 (A5:6) | 1.645,90 | | | | | | | | | | | | | | | |
| 50 T4 (A5:6) | 1.683,90 | | | | | | | | | | | | | | | |
| 56 T4 (A5:6) | 1.838,40 | 1.939,50 | 2.097,40 | | | | | | | | | | | | | |
| 63 T4 (A5:6) | 1.873,20 | 1.974,50 | 2.132,30 | 2.298,70 | | | | | | | | | | | | |
| 71 T4 (A5:6) | 2.085,90 | 2.187,00 | 2.345,00 | 2.511,30 | 2.692,20 | | | | | | | | | | | |
| 80 T4 (A5:6) | | | | 2.560,10 | 2.741,00 | 2.870,30 | | | | | | | | | | |
| 90 T4 (A3:8) | | | | | 4.211,10 | 4.340,30 | 4.870,00 | 5.128,50 | 5.559,20 | 6.039,90 | 6.779,00 | | | | | |
| 90 T4 (A3:4) | | | | | 3.934,00 | 4.063,20 | 4.593,10 | 4.851,50 | 5.282,30 | 5.763,00 | 6.502,10 | | | | | |
| 100 T4 (A3:8) | | | | | | | 4.988,60 | 5.247,10 | 5.677,80 | 6.158,50 | 6.897,60 | 7.679,40 | 8.238,50 | | | |
| 100 T4 (A3:4) | | | | | | | 4.711,60 | 4.970,10 | 5.400,80 | 5.881,50 | 6.620,60 | 7.402,40 | 7.961,40 | | | |
| 112 T4 (A3:8) | | | | | | | | 6.074,50 | 6.505,40 | 6.986,00 | 7.725,10 | 8.507,00 | 9.066,10 | 10.610,60 | 12.074,60 | |
| 112 T4 (A3:4) | | | | | | | | 5.797,70 | 6.228,40 | 6.709,00 | 7.448,20 | 8.229,90 | 8.789,00 | 10.333,50 | 11.797,70 | |
| 125 T4 (A3:8) | | | | | | | | | | 7.081,30 | 7.820,40 | 8.602,20 | 9.161,30 | 10.705,80 | 12.169,90 | 12.894,90 |
| 125 T4 (A3:4) | | | | | | | | | | 6.804,30 | 7.543,40 | 8.325,20 | 8.884,30 | 10.428,90 | 11.892,90 | 12.617,90 |

BOX HBFX F400 | THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | |
|-----------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | |
| 45 T6 (A5:6) | 1.855,00 | | | | | | | | | | |
| 50 T6 (A5:6) | 1.893,10 | | | | | | | | | | |
| 56 T6 (A5:6) | 2.047,40 | | | | | | | | | | |
| 63 T6 (A5:6) | 2.082,40 | | | | | | | | | | |
| 71 T6 (A5:6) | 2.295,00 | | | | | | | | | | |
| 80 T6 (A5:6) | 2.344,00 | 2.407,20 | 2.697,50 | 2.774,20 | | | | | | | |
| 90 T6 (A3:8) | | | 4.167,50 | 4.244,10 | 4.687,20 | 4.520,50 | 5.206,10 | | | | |
| 90 T6 (A3:4) | | | 3.890,60 | 3.967,20 | 4.410,20 | 4.243,50 | 4.929,10 | | | | |
| 100 T6 (A3:8) | | | 4.286,00 | 4.362,70 | 4.805,70 | 4.639,00 | 5.324,60 | 6.580,90 | | | |
| 100 T6 (A3:4) | | | 4.009,10 | 4.085,70 | 4.528,60 | 4.362,00 | 5.047,60 | 6.304,00 | | | |
| 112 T6 (A3:8) | | | | 5.190,30 | 5.633,30 | 5.466,60 | 6.152,10 | 7.408,50 | 8.073,20 | | |
| 112 T6 (A3:4) | | | | 4.913,20 | 5.356,20 | 5.189,50 | 5.875,10 | 7.131,60 | 7.796,20 | | |
| 125 T6 (A3:8) | | | | | 5.728,50 | 5.561,80 | 6.247,40 | 7.503,80 | 8.168,40 | 9.021,30 | |
| 125 T6 (A3:4) | | | | | | 5.451,60 | 5.284,80 | 5.970,40 | 7.226,80 | 7.891,50 | 8.744,30 |

BOX HBFX F400 | THREE PHASE RANGE 2 SPEEDS 4/8 POLE | SERIE TRIFÁSICA 2 VELOCIDADES 4/8 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|
| | 0,8/0,2 | 1,2/0,3 | 1,6/0,4 | 2,2/0,37 | 3/0,55 | 4/0,75 | 5,5/1,1 | 7,5/1,5 | 10/2 | 14/3 | 16,5/3,3 | 20/4 | 27/5,4 | 30/6,5 | 35/7,5 | 40/8 |
| 45 T4/T8 (A5:6) | 1.907,50 | | | | | | | | | | | | | | | |
| 50 T4/T8 (A5:6) | 1.945,70 | | | | | | | | | | | | | | | |
| 56 T4/T8 (A5:6) | 2.100,00 | 2.236,10 | 2.278,80 | | | | | | | | | | | | | |
| 63 T4/T8 (A5:6) | 2.135,00 | 2.271,10 | 2.313,70 | 2.399,00 | | | | | | | | | | | | |
| 71 T4/T8 (A5:6) | 2.347,60 | 2.483,70 | 2.526,30 | 2.611,60 | 2.919,70 | | | | | | | | | | | |
| 80 T4/T8 (A5:6) | | | | 2.660,50 | 2.968,50 | 3.053,80 | | | | | | | | | | |
| 90 T4/T8 (A3:4) | | | | | 4.161,50 | 4.246,80 | 4.801,10 | 5.350,70 | 5.919,40 | | | | | | | |
| 90 T4/T8 (A3:8) | | | | | | | 5.078,10 | 5.627,80 | 6.196,30 | 7.461,30 | 8.613,20 | | | | | |
| 100 T4/T8 (A3:4) | | | | | | | 4.919,60 | 5.469,30 | 6.037,80 | 7.302,90 | 8.454,60 | | | | | |
| 100 T4/T8 (A3:8) | | | | | | | | | 6.314,80 | 7.579,80 | 8.731,70 | 8.971,60 | | | | |
| 112 T4/T8 (A3:4) | | | | | | | | 6.296,80 | 6.865,40 | 8.130,40 | 9.282,20 | 9.522,10 | | | | |
| 112 T4/T8 (A3:8) | | | | | | | | | | 8.407,40 | 9.559,30 | 9.799,10 | 11.790,00 | 13.276,80 | 16.112,80 | |
| 125 T4/T8 (A3:4) | | | | | | | | | 6.960,70 | 8.225,70 | 9.377,50 | 9.617,30 | 11.608,40 | 13.095,10 | 15.931,00 | |
| 125 T4/T8 (A3:8) | | | | | | | | | | | 9.654,50 | 9.894,30 | 11.885,30 | 13.372,10 | 16.208,00 | 17.564,20 |

BOX HBF | BOX HBFX F300

Axial fan in soundproof cabinet F300

Ventilador helicoidal en caja insonorizada F300



BOX HBF



BOX HBFX



MANUFACTURING FEATURES

- BOX: Manufactured in galvanised steel sheet with thermal proofing. Soundproof cabinets with thermo-acoustic insulation, Bs1d0 fire class. Removable panels for easy motor access and fan maintenance.
- Internal fan: HBF axial fan, circular reinforced frame from size 45 to 80. HCF in sizes from 90 to 125. Impeller in aluminum injection with reinforced circular body. Motor-impeller assembly through a modular system. Protected against corrosion by powder coating of epoxy-polyester resin.
- Standard asynchronous squirrel-cage motor with IP-55 protection and Class H insulation certified 300°C/2H. Manufactured with standard voltages 230/400V/50Hz in three phase motors up to 4kW and 400/690V 50Hz for higher powers. IE3 efficiency motor from 0,75kW up to 45kW in single speed.

APPLICATIONS

Designed for wall or duct installation, they are suitable for:

- Smoke emergency exhaust with motor inside the hazardous area.
- Cabinet design simplifies installation in rectangular duct systems.
- Maximum working temperature: 60°C.

UNDER REQUEST

- B form impeller (air flow from impeller to motor). 5% additional cost.
- 100% reversible impeller. 5% additional cost.

CARACTERÍSTICAS CONSTRUCTIVAS

- BOX: Caja construida en chapa de acero galvanizado con aislamiento térmico. Aisladas con aislamiento térmico y acústico con clasificación al fuego Bs1d0. Paneles laterales desmontables para facilitar el acceso al motor y el mantenimiento.
- Ventilador interior: HBF para tamaños del 45 al 80, HCF para modelos entre 90 y 125. Ventilador helicoidal de marco redondo reforzado con nervio intermedio. Montaje modular del conjunto motor hélice. Hélice en fundición de aluminio. Protegidos contra la corrosión mediante recubrimiento en polvo de resina epoxy.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase H certificado 300°C/2h. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 3kW y 400/690V 50Hz para potencias superiores. Motor de eficiencia IE3 desde 0,75kW hasta 45kW de una velocidad.

APLICACIONES

Diseñados para montaje en pared o en conducto, son indicados para:

- Extracción de humo en caso de incendio estando el motor dentro de la zona de riesgo.
- La construcción en caja facilita muchísimo su instalación en conductos que habitualmente son rectangulares.
- Temperatura máxima de trabajo en continuo: 60°C.

BAJO DEMANDA

- Hélice impelente (sentido de aire hélice-motor). Incremento 5% sobre PVP.
- Hélice reversible 100%. Incremento 5% sobre PVP.

ACCESSORIES | ACCESORIOS



INT 400 pg.434

Connexion flange.
Brida de conexión.



INT pg.434

Safety switch.
Interruptor de corte.



AC pg.411

Connexion flange.
Brida de conexión.



JE 45 pg.416

Flexible joint.
Junta elástica.



BA-400 pg.416

Anti-vibrating flange 400°/2h.
flexible.
Brida antivibratoria 400°/2h.



SFC pg.433

Speed controller for single phase motors.
Regulador de velocidad monofásico.



INT ATEX pg.434

Switch for ATEX environments.
Interruptor para funcionar en entornos ATEX.



PC2 pg.402

Overpressure damper for facade.
Rejilla de sobrepresión antirretorno.



BAD pg.416

Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.

BOX HBF F300

BOX HBF F300 | THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | | |
|-----------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|
| | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| 45 T4 (A2:9) | 1.220,30 | 1.223,40 | | | | | | | | | | | | | | | |
| 45 T4 (A2:6) | 1.151,00 | 1.154,10 | | | | | | | | | | | | | | | |
| 50 T4 (A2:9) | 1.254,80 | 1.257,90 | 1.270,30 | | | | | | | | | | | | | | |
| 50 T4 (A2:6) | 1.185,70 | 1.188,80 | 1.201,10 | | | | | | | | | | | | | | |
| 56 T4 (A2:9) | 1.395,30 | 1.398,40 | 1.410,70 | 1.442,60 | 1.690,50 | | | | | | | | | | | | |
| 56 T4 (A2:6) | 1.326,00 | 1.329,10 | 1.341,60 | 1.373,20 | 1.621,10 | | | | | | | | | | | | |
| 63 T4 (A2:9) | 1.427,10 | 1.430,10 | 1.442,50 | 1.474,40 | 1.722,20 | 1.880,20 | | | | | | | | | | | |
| 63 T4 (A2:6) | 1.357,80 | 1.360,90 | 1.373,20 | 1.405,00 | 1.652,90 | 1.810,90 | | | | | | | | | | | |
| 71 T4 (A2:9) | | 1.623,40 | 1.635,70 | 1.667,60 | 1.915,40 | 2.073,50 | 2.243,50 | | | | | | | | | | |
| 71 T4 (A2:6) | | 1.554,20 | 1.566,50 | 1.598,40 | 1.846,20 | 2.004,20 | 2.174,30 | | | | | | | | | | |
| 80 T4 (A2:9) | | | 1.680,20 | 1.712,00 | 1.959,90 | 2.117,80 | 2.288,00 | 2.572,40 | 2.852,40 | | | | | | | | |
| 80 T4 (A2:6) | | | 1.610,90 | 1.642,80 | 1.890,60 | 2.048,70 | 2.218,70 | 2.503,00 | 2.783,10 | | | | | | | | |
| 90 T4 (A6:6) | | | | | | 3.155,70 | 3.325,90 | 3.610,30 | 3.890,30 | 4.213,30 | 4.740,00 | 5.427,00 | | | | | |
| 90 T4 (A6:3) | | | | | | 2.926,00 | 3.096,20 | 3.380,60 | 3.660,60 | 3.983,60 | 4.510,30 | 5.197,50 | | | | | |
| 100 T4 (A6:6) | | | | | | | | 3.717,90 | 3.998,00 | 4.321,00 | 4.847,70 | 5.534,90 | 6.103,40 | 6.619,80 | | | |
| 100 T4 (A6:3) | | | | | | | | 3.488,40 | 3.768,30 | 4.091,40 | 4.618,20 | 5.305,20 | 5.873,70 | 6.390,10 | | | |
| 112 T4 (A6:6) | | | | | | | | 4.470,40 | 4.750,30 | 5.073,40 | 5.600,10 | 6.287,10 | 6.855,60 | 7.372,10 | 8.651,50 | 9.546,90 | |
| 112 T4 (A6:3) | | | | | | | | 4.240,70 | 4.520,70 | 4.843,70 | 5.370,40 | 6.057,50 | 6.626,10 | 7.142,40 | 8.421,80 | 9.317,30 | |
| 125 T4 (A6:6) | | | | | | | | | 4.836,90 | 5.159,90 | 5.686,60 | 6.373,70 | 6.942,30 | 7.458,60 | 8.738,00 | 9.633,50 | 10.770,60 |
| 125 T4 (A6:3) | | | | | | | | | 4.607,40 | 4.930,20 | 5.457,00 | 6.144,10 | 6.712,60 | 7.229,10 | 8.508,40 | 9.403,80 | 10.541,00 |

BOX HBF F300 | THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | |
|-----------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| 45 T6 (A2:9) | 1.278,70 | | | | | | | | | | |
| 45 T6 (A2:6) | 1.209,50 | | | | | | | | | | |
| 50 T6 (A2:9) | 1.313,40 | | | | | | | | | | |
| 50 T6 (A2:6) | 1.244,10 | | | | | | | | | | |
| 56 T6 (A2:9) | 1.453,80 | | | | | | | | | | |
| 56 T6 (A2:6) | 1.384,50 | | | | | | | | | | |
| 63 T6 (A2:9) | 1.485,50 | 1.614,80 | | | | | | | | | |
| 63 T6 (A2:6) | 1.416,30 | 1.545,60 | | | | | | | | | |
| 71 T6 (A2:9) | 1.678,80 | 1.808,10 | 1.847,80 | | | | | | | | |
| 71 T6 (A2:6) | 1.609,50 | 1.738,80 | 1.778,60 | | | | | | | | |
| 80 T6 (A2:9) | 1.723,20 | 1.852,40 | 1.892,30 | 2.008,10 | 2.214,80 | | | | | | |
| 80 T6 (A2:6) | 1.653,90 | 1.783,30 | 1.822,90 | 1.938,90 | 2.145,60 | | | | | | |
| 90 T6 (A6:6) | | 2.890,30 | 2.930,20 | 3.046,00 | 3.252,70 | 3.463,80 | 3.739,50 | | | | |
| 90 T6 (A6:3) | | 2.660,80 | 2.700,50 | 2.816,40 | 3.023,10 | 3.234,20 | 3.509,90 | | | | |
| 100 T6 (A6:6) | | | 3.037,80 | 3.153,60 | 3.360,50 | 3.571,60 | 3.847,20 | 4.222,00 | 4.803,40 | | |
| 100 T6 (A6:3) | | | 2.808,30 | 2.924,20 | 3.130,90 | 3.341,90 | 3.617,60 | 3.992,40 | 4.573,80 | | |
| 112 T6 (A6:6) | | | | 3.906,10 | 4.112,80 | 4.323,90 | 4.599,50 | 4.974,30 | 5.555,70 | 6.464,60 | |
| 112 T6 (A6:3) | | | | 3.676,50 | 3.883,20 | 4.094,30 | 4.370,00 | 4.744,60 | 5.326,10 | 6.235,00 | |
| 125 T6 (A6:6) | | | | | 4.199,40 | 4.410,40 | 4.686,20 | 5.060,80 | 5.642,40 | 6.551,20 | 7.175,70 |
| 125 T6 (A6:3) | | | | | 3.969,70 | 4.180,90 | 4.456,50 | 4.831,30 | 5.412,70 | 6.321,60 | 6.946,20 |

BOX HBF F300 | THREE PHASE RANGE 2 SPEEDS 4/8 POLE | SERIE TRIFÁSICA 2 VELOCIDADES 4/8 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | | |
|------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|
| | 0,6/0,15 | 0,8/0,2 | 1,2/0,3 | 1,6/0,4 | 2,2/0,55 | 2,8/0,7 | 3,8/1 | 5/1,3 | 7,2/1,8 | 11/3 | 15/3,8 | 18,5/4,8 | 24/6 | 30/7 | 37/8,5 |
| 45 T4/T8 (A2:6) | 1.158,50 | 1.214,80 | | | | | | | | | | | | | |
| 45 T4/T8 (A2:9) | 1.227,60 | 1.283,90 | | | | | | | | | | | | | |
| 50 T4/T8 (A2:6) | 1.193,00 | 1.249,50 | 1.345,70 | | | | | | | | | | | | |
| 50 T4/T8 (A2:9) | 1.262,30 | 1.318,60 | 1.414,90 | | | | | | | | | | | | |
| 56 T4/T8 (A2:6) | 1.333,40 | 1.389,80 | 1.486,10 | 1.537,30 | 1.695,00 | | | | | | | | | | |
| 56 T4/T8 (A2:9) | 1.402,70 | 1.459,00 | 1.555,40 | 1.606,50 | 1.764,20 | | | | | | | | | | |
| 63 T4/T8 (A2:6) | 1.365,20 | 1.421,50 | 1.517,80 | 1.569,10 | 1.726,80 | 1.848,20 | | | | | | | | | |
| 63 T4/T8 (A2:9) | 1.434,50 | 1.490,80 | 1.587,20 | 1.638,30 | 1.795,90 | 1.917,40 | | | | | | | | | |
| 71 T4/T8 (A2:6) | | 1.614,70 | 1.711,20 | 1.762,30 | 1.919,90 | 2.041,30 | 2.387,80 | | | | | | | | |
| 71 T4/T8 (A2:9) | | 1.684,00 | 1.780,30 | 1.831,40 | 1.989,30 | 2.110,70 | 2.457,00 | | | | | | | | |
| 80 T4/T8 (A2:6) | | | 1.755,60 | 1.806,70 | 1.964,40 | 2.085,80 | 2.432,10 | 2.745,60 | 3.139,30 | | | | | | |
| 80 T4/T8 (A2:9) | | | 1.824,80 | 1.875,90 | 2.033,70 | 2.155,10 | 2.501,50 | 2.814,90 | 3.208,50 | | | | | | |
| 90 T4/T8 (A6:3) | | | | | | 2.963,40 | 3.309,70 | 3.623,20 | 4.016,70 | 4.631,40 | 5.504,10 | | | | |
| 90 T4/T8 (A6:6) | | | | | | 3.193,10 | 3.539,40 | 3.852,80 | 4.246,40 | 4.861,10 | 5.733,80 | | | | |
| 100 T4/T8 (A6:3) | | | | | | | 3.417,60 | 3.731,00 | 4.124,60 | 4.739,30 | 5.611,90 | 6.425,90 | | | |
| 100 T4/T8 (A6:6) | | | | | | | 3.647,10 | 3.960,50 | 4.354,10 | 4.968,80 | 5.841,40 | 6.655,60 | 8.163,00 | | |
| 112 T4/T8 (A6:3) | | | | | | | 4.169,80 | 4.483,30 | 4.876,80 | 5.491,50 | 6.364,20 | 7.178,20 | 8.685,80 | 9.607,60 | 10.559,50 |
| 112 T4/T8 (A6:6) | | | | | | | 4.399,50 | 4.712,90 | 5.106,50 | 5.721,20 | 6.593,90 | 7.407,90 | 8.915,40 | 9.837,20 | 10.789,00 |
| 125 T4/T8 (A6:3) | | | | | | | | 4.569,80 | 4.963,50 | 5.578,10 | 6.450,70 | 7.264,80 | 8.772,50 | 9.694,10 | 10.646,10 |
| 125 T4/T8 (A6:6) | | | | | | | | 4.799,50 | 5.193,00 | 5.807,70 | 6.680,40 | 7.494,40 | 9.002,00 | 9.923,80 | 10.875,70 |

BOX HBFX F300

BOX HBFX F300 | THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | | |
|-----------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|
| | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| 45 T4 (A2:9) | 1.265,80 | 1.268,90 | | | | | | | | | | | | | | | |
| 45 T4 (A2:6) | 1.196,60 | 1.199,70 | | | | | | | | | | | | | | | |
| 50 T4 (A2:9) | 1.303,90 | 1.307,00 | 1.319,30 | | | | | | | | | | | | | | |
| 50 T4 (A2:6) | 1.234,50 | 1.237,70 | 1.250,10 | | | | | | | | | | | | | | |
| 56 T4 (A2:9) | 1.458,20 | 1.461,40 | 1.473,80 | 1.505,60 | 1.753,40 | | | | | | | | | | | | |
| 56 T4 (A2:6) | 1.389,10 | 1.392,20 | 1.404,50 | 1.436,40 | 1.684,20 | | | | | | | | | | | | |
| 63 T4 (A2:9) | 1.493,20 | 1.496,30 | 1.508,70 | 1.540,60 | 1.788,40 | 1.946,40 | | | | | | | | | | | |
| 63 T4 (A2:6) | 1.424,10 | 1.427,20 | 1.439,50 | 1.471,30 | 1.719,10 | 1.877,10 | | | | | | | | | | | |
| 71 T4 (A2:9) | | 1.708,90 | 1.721,20 | 1.753,10 | 2.001,00 | 2.159,00 | 2.329,10 | | | | | | | | | | |
| 71 T4 (A2:6) | | 1.639,60 | 1.652,10 | 1.683,80 | 1.931,70 | 2.089,70 | 2.259,80 | | | | | | | | | | |
| 80 T4 (A2:9) | | | 1.770,20 | 1.801,90 | 2.049,80 | 2.207,80 | 2.377,90 | 2.662,30 | 2.942,30 | | | | | | | | |
| 80 T4 (A2:6) | | | 1.700,90 | 1.732,80 | 1.980,60 | 2.138,60 | 2.308,80 | 2.593,10 | 2.873,20 | | | | | | | | |
| 90 T4 (A6:6) | | | | | | 3.293,40 | 3.463,50 | 3.747,90 | 4.027,80 | 4.350,80 | 4.877,60 | 5.564,70 | | | | | |
| 90 T4 (A6:3) | | | | | | 3.063,70 | 3.233,90 | 3.518,30 | 3.798,20 | 4.121,30 | 4.648,00 | 5.335,00 | | | | | |
| 100 T4 (A6:6) | | | | | | | | 3.866,30 | 4.146,40 | 4.469,40 | 4.996,20 | 5.683,20 | 6.251,70 | 6.768,20 | | | |
| 100 T4 (A6:3) | | | | | | | | 3.636,80 | 3.916,80 | 4.239,80 | 4.766,50 | 5.453,60 | 6.022,10 | 6.538,50 | | | |
| 112 T4 (A6:6) | | | | | | | | 4.693,90 | 4.974,00 | 5.297,00 | 5.823,70 | 6.510,80 | 7.079,30 | 7.595,80 | 8.875,10 | 9.770,60 | |
| 112 T4 (A6:3) | | | | | | | | 4.464,40 | 4.744,30 | 5.067,40 | 5.594,10 | 6.281,20 | 6.849,70 | 7.366,10 | 8.645,50 | 9.540,90 | |
| 125 T4 (A6:6) | | | | | | | | | 5.069,30 | 5.392,10 | 5.919,00 | 6.606,00 | 7.174,50 | 7.691,00 | 8.970,30 | 9.865,70 | 11.002,90 |
| 125 T4 (A6:3) | | | | | | | | | 4.839,70 | 5.162,70 | 5.689,40 | 6.376,40 | 6.944,90 | 7.461,40 | 8.740,80 | 9.636,20 | 10.773,30 |

BOX HBFX F300 | THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | |
|-----------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| 45 T6 (A2:9) | 1.324,30 | | | | | | | | | | |
| 45 T6 (A2:6) | 1.255,00 | | | | | | | | | | |
| 50 T6 (A2:9) | 1.362,40 | | | | | | | | | | |
| 50 T6 (A2:6) | 1.293,10 | | | | | | | | | | |
| 56 T6 (A2:9) | 1.516,80 | | | | | | | | | | |
| 56 T6 (A2:6) | 1.447,60 | | | | | | | | | | |
| 63 T6 (A2:9) | 1.551,80 | 1.681,00 | | | | | | | | | |
| 63 T6 (A2:6) | 1.482,40 | 1.611,80 | | | | | | | | | |
| 71 T6 (A2:9) | 1.764,40 | 1.893,60 | 1.933,40 | | | | | | | | |
| 71 T6 (A2:6) | 1.695,00 | 1.824,30 | 1.864,10 | | | | | | | | |
| 80 T6 (A2:9) | 1.813,10 | 1.942,50 | 1.982,20 | 2.098,00 | 2.304,80 | | | | | | |
| 80 T6 (A2:6) | 1.744,00 | 1.873,20 | 1.912,90 | 2.028,80 | 2.235,60 | | | | | | |
| 90 T6 (A6:6) | | 3.028,00 | 3.067,70 | 3.183,70 | 3.390,30 | 3.601,40 | 3.877,10 | | | | |
| 90 T6 (A6:3) | | 2.798,50 | 2.838,20 | 2.954,00 | 3.160,70 | 3.371,80 | 3.647,40 | | | | |
| 100 T6 (A6:6) | | | 3.186,40 | 3.302,20 | 3.508,90 | 3.720,00 | 3.995,60 | 4.370,40 | 4.951,90 | | |
| 100 T6 (A6:3) | | | 2.956,70 | 3.072,60 | 3.279,30 | 3.490,30 | 3.766,10 | 4.140,70 | 4.722,20 | | |
| 112 T6 (A6:6) | | | | 4.129,80 | 4.336,40 | 4.547,60 | 4.823,20 | 5.198,00 | 5.779,30 | 6.688,30 | |
| 112 T6 (A6:3) | | | | 3.900,20 | 4.106,90 | 4.317,90 | 4.593,60 | 4.968,30 | 5.549,80 | 6.458,70 | |
| 125 T6 (A6:6) | | | | | 4.431,70 | 4.642,80 | 4.918,40 | 5.293,20 | 5.874,70 | 6.783,50 | 7.408,10 |
| 125 T6 (A6:3) | | | | | 4.202,20 | 4.413,10 | 4.688,80 | 5.063,50 | 5.645,10 | 6.553,80 | 7.178,40 |

BOX HBFX F300 | THREE PHASE RANGE 2 SPEEDS 4/8 POLE | SERIE TRIFÁSICA 2 VELOCIDADES 4/8 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | | |
|------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|
| | 0,6/0,15 | 0,8/0,2 | 1,2/0,3 | 1,6/0,4 | 2,2/0,55 | 2,8/0,7 | 3,8/1 | 5/1,3 | 7,2/1,8 | 11/3 | 15/3,8 | 18,5/4,8 | 24/6 | 30/7 | 37/8,5 |
| 45 T4/T8 (A2:6) | 1.204,00 | 1.260,30 | | | | | | | | | | | | | |
| 45 T4/T8 (A2:9) | 1.273,20 | 1.329,60 | | | | | | | | | | | | | |
| 50 T4/T8 (A2:6) | 1.242,10 | 1.298,30 | 1.394,70 | | | | | | | | | | | | |
| 50 T4/T8 (A2:9) | 1.311,20 | 1.367,60 | 1.463,90 | | | | | | | | | | | | |
| 56 T4/T8 (A2:6) | 1.396,40 | 1.452,80 | 1.549,10 | 1.600,20 | 1.758,10 | | | | | | | | | | |
| 56 T4/T8 (A2:9) | 1.465,70 | 1.522,00 | 1.618,30 | 1.669,60 | 1.827,30 | | | | | | | | | | |
| 63 T4/T8 (A2:6) | 1.431,40 | 1.487,80 | 1.584,10 | 1.635,20 | 1.793,00 | 1.914,40 | | | | | | | | | |
| 63 T4/T8 (A2:9) | 1.500,60 | 1.557,00 | 1.653,30 | 1.704,50 | 1.862,20 | 1.983,60 | | | | | | | | | |
| 71 T4/T8 (A2:6) | | 1.700,40 | 1.796,70 | 1.847,80 | 2.005,50 | 2.127,00 | 2.473,30 | | | | | | | | |
| 71 T4/T8 (A2:9) | | 1.769,50 | 1.865,90 | 1.917,00 | 2.074,80 | 2.196,20 | 2.542,70 | | | | | | | | |
| 80 T4/T8 (A2:6) | | | 1.845,50 | 1.896,70 | 2.054,40 | 2.175,80 | 2.522,20 | 2.835,60 | 3.229,30 | | | | | | |
| 80 T4/T8 (A2:9) | | | 1.914,80 | 1.965,90 | 2.123,70 | 2.245,10 | 2.591,40 | 2.904,80 | 3.298,40 | | | | | | |
| 90 T4/T8 (A6:3) | | | | | | 3.101,10 | 3.447,40 | 3.760,80 | 4.154,50 | 4.769,10 | 5.641,80 | | | | |
| 90 T4/T8 (A6:6) | | | | | | 3.330,60 | 3.677,00 | 3.990,40 | 4.384,10 | 4.998,70 | 5.871,30 | | | | |
| 100 T4/T8 (A6:3) | | | | | | | 3.566,00 | 3.879,40 | 4.272,90 | 4.887,60 | 5.760,30 | 6.574,30 | | | |
| 100 T4/T8 (A6:6) | | | | | | | 3.795,60 | 4.109,00 | 4.502,60 | 5.117,20 | 5.990,00 | 6.804,00 | 8.311,50 | | |
| 112 T4/T8 (A6:3) | | | | | | | 4.393,50 | 4.707,00 | 5.100,50 | 5.715,20 | 6.587,90 | 7.401,90 | 8.909,50 | 9.831,30 | 10.783,10 |
| 112 T4/T8 (A6:6) | | | | | | | 4.623,10 | 4.936,50 | 5.330,10 | 5.944,80 | 6.817,50 | 7.631,60 | 9.139,10 | 10.060,80 | 11.012,70 |
| 125 T4/T8 (A6:3) | | | | | | | | 4.802,10 | 5.195,80 | 5.810,40 | 6.683,10 | 7.497,20 | 9.004,70 | 9.926,40 | 10.878,40 |
| 125 T4/T8 (A6:6) | | | | | | | | 5.031,80 | 5.425,50 | 6.040,10 | 6.912,70 | 7.726,70 | 9.234,40 | 10.156,00 | 11.108,00 |

BOX HBF F200

Axial fan in soundproof cabinet F200

Ventilador helicoidal en caja insonorizada F200



BOX HBF



| MANUFACTURING FEATURES

- BOX: Manufactured in galvanised steel sheet with thermal proofing. Soundproof cabinets with thermo-acoustic insulation, Bs1d0 fire class. Removable panels for easy motor access and fan maintenance.
- Internal fan: HBF axial fan, circular reinforced frame from size 45 to 80. HCF in sizes from 90 to 125. Impeller in aluminum injection with reinforced circular body. Motor-impeller assembly through a modular system. Protected against corrosion by powder coating of epoxy-polyester resin.
- Standard asynchronous squirrel-cage motor with IP-55 protection and Class H insulation certified 200°C/2H. Manufactured with standard voltages 230/400V50Hz in three phase motors up to 3kW and 400/690V 50Hz for higher powers. IE3 efficiency motor from 0,75kW up to 45kW in single speed.

| APPLICATIONS

- Designed for wall or duct installation, they are suitable for:
- Smoke emergency exhaust with motor inside the hazardous area.
 - Cabinet design simplifies installation in rectangular duct systems.
 - Maximum working temperature: 60°C.

| UNDER REQUEST

- B form impeller (air flow from impeller to motor). 5% additional cost.
- 100% reversible impeller. 5% additional cost.

| CARACTERÍSTICAS CONSTRUCTIVAS

- BOX: Caja construida en chapa de acero galvanizado con aislamiento térmico. Aisladas con aislamiento térmico y acústico con clasificación al fuego Bs1d0. Paneles laterales desmontables para facilitar el acceso al motor y el mantenimiento.
- Ventilador interior: HBF para tamaños del 45 al 80, HCF para modelos entre 90 y 125. Ventilador helicoidal de marco redondo reforzado con nervio intermedio. Montaje modular del conjunto motor hélice. Hélice en fundición de aluminio. Protegidos contra la corrosión mediante recubrimiento en polvo de resina epoxy.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase H certificado 200°C/2h. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 3kW y 400/690V 50Hz para potencias superiores. Motor de eficiencia IE3 desde 0,75kW hasta 45kW de una velocidad.

| APLICACIONES

- Diseñados para montaje en pared o en conducto, son indicados para:
- Extracción de humo en caso de incendio estando el motor dentro de la zona de riesgo.
 - La construcción en caja facilita muchísimo su instalación en conductos que habitualmente son rectangulares.
 - Temperatura máxima de trabajo en continuo: 60°C.

| BAJO DEMANDA

- Hélice impelente (sentido de aire hélice-motor). Incremento 5% sobre PVP.
- Hélice reversible 100%. Incremento 5% sobre PVP.

ACCESSORIES | ACCESORIOS



INT 400 pg.434
Connexion flange.
Brida de conexión.



INT pg.434
Safety switch.
Interruptor de corte.



AC pg.411
Connexion flange.
Brida de conexión.



JE 45 pg.416
Flexible joint.
Junta elástica.



BA-400 pg.416
Anti-vibrating flange 400°/2h.
flexible.
Brida antivibratoria 400°/2h.



SFC pg.433
Speed controller for single phase motors.Regulador de velocidad monofásico.



INT ATEX pg.434
Switch for ATEX environments.
Interruptor para funcionar en entornos ATEX.



PC2 pg.402
Overpressure damper for facade.
Rejilla de sobrepresión antirretorno.



BAD pg.416
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.

BOX HBF F200

BOX HBF F200 | THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | | |
|-----------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|
| | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 |
| 45 T4 (A2:6) | 1.008,20 | 1.022,80 | | | | | | | | | | | | | | | |
| 45 T4 (A2:9) | 1.075,40 | 1.090,00 | | | | | | | | | | | | | | | |
| 50 T4 (A2:6) | 1.041,80 | 1.056,40 | 1.109,90 | 1.185,00 | | | | | | | | | | | | | |
| 50 T4 (A2:9) | 1.109,00 | 1.123,60 | 1.177,20 | 1.252,10 | | | | | | | | | | | | | |
| 56 T4 (A2:6) | 1.178,00 | 1.192,60 | 1.246,20 | 1.321,20 | 1.446,10 | | | | | | | | | | | | |
| 56 T4 (A2:9) | 1.245,30 | 1.259,90 | 1.313,50 | 1.388,50 | 1.513,40 | | | | | | | | | | | | |
| 63 T4 (A2:6) | 1.208,90 | 1.223,50 | 1.277,10 | 1.352,00 | 1.476,90 | 1.609,10 | | | | | | | | | | | |
| 63 T4 (A2:9) | 1.276,20 | 1.290,70 | 1.344,40 | 1.419,30 | 1.544,20 | 1.676,40 | | | | | | | | | | | |
| 71 T4 (A2:6) | 1.396,50 | 1.411,10 | 1.464,70 | 1.539,70 | 1.664,60 | 1.796,80 | 1.926,00 | | | | | | | | | | |
| 71 T4 (A2:9) | 1.463,80 | 1.478,40 | 1.531,90 | 1.606,90 | 1.731,90 | 1.864,00 | 1.993,20 | | | | | | | | | | |
| 80 T4 (A2:6) | | | 1.507,80 | 1.582,80 | 1.707,80 | 1.839,90 | 1.969,10 | 2.231,70 | 2.456,90 | | | | | | | | |
| 80 T4 (A2:9) | | | 1.575,10 | 1.650,10 | 1.774,90 | 1.907,20 | 2.036,40 | 2.298,90 | 2.524,20 | | | | | | | | |
| 90 T4 (A6:3) | | | | | | 2.691,90 | 2.821,10 | 3.083,70 | 3.308,90 | 4.084,30 | 4.321,30 | | | | | | |
| 90 T4 (A6:6) | | | | | | 2.914,90 | 3.044,00 | 3.306,60 | 3.531,80 | 4.307,30 | 4.544,30 | | | | | | |
| 100 T4 (A6:3) | | | | | | | | 3.188,20 | 3.413,50 | 4.189,00 | 4.426,00 | 5.548,50 | 5.913,90 | | | | |
| 100 T4 (A6:6) | | | | | | | | 3.411,20 | 3.636,40 | 4.411,90 | 4.648,90 | 5.771,50 | 6.136,70 | | | | |
| 112 T4 (A6:3) | | | | | | | | 3.918,70 | 4.143,90 | 4.919,40 | 5.156,40 | 6.278,90 | 6.644,30 | 7.687,70 | 9.280,90 | | |
| 112 T4 (A6:6) | | | | | | | | 4.141,70 | 4.366,90 | 5.142,30 | 5.379,30 | 6.501,90 | 6.867,20 | 7.910,50 | 9.503,80 | | |
| 125 T4 (A6:3) | | | | | | | | | 4.228,00 | 5.003,40 | 5.240,40 | 6.363,00 | 6.728,30 | 7.771,70 | 9.365,00 | 10.283,80 | 11.002,90 |
| 125 T4 (A6:6) | | | | | | | | | 4.450,90 | 5.226,30 | 5.463,40 | 6.585,90 | 6.951,30 | 7.994,70 | 9.587,90 | 10.506,60 | 10.773,30 |

BOX HBF F200 | THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | |
|-----------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--|
| | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | 18,5 | 22 | |
| 45 T6 (A2:6) | 1.036,80 | | | | | | | | | | | | | |
| 45 T6 (A2:9) | 1.104,00 | | | | | | | | | | | | | |
| 50 T6 (A2:6) | 1.070,40 | | | | | | | | | | | | | |
| 50 T6 (A2:9) | 1.137,60 | | | | | | | | | | | | | |
| 56 T6 (A2:6) | 1.206,70 | | | | | | | | | | | | | |
| 56 T6 (A2:9) | 1.273,90 | | | | | | | | | | | | | |
| 63 T6 (A2:6) | 1.237,50 | 1.337,70 | | | | | | | | | | | | |
| 63 T6 (A2:9) | 1.304,70 | 1.405,00 | | | | | | | | | | | | |
| 71 T6 (A2:6) | 1.425,20 | 1.525,40 | 1.557,30 | 1.686,20 | | | | | | | | | | |
| 71 T6 (A2:9) | 1.492,40 | 1.592,70 | 1.624,50 | 1.753,50 | | | | | | | | | | |
| 80 T6 (A2:6) | 1.468,30 | 1.568,50 | 1.600,40 | 1.729,40 | 1.875,50 | | | | | | | | | |
| 80 T6 (A2:9) | 1.535,50 | 1.635,70 | 1.667,60 | 1.796,70 | 1.942,80 | | | | | | | | | |
| 90 T6 (A6:3) | | 2.420,50 | 2.452,30 | 2.581,40 | 2.727,50 | 3.060,20 | 3.165,50 | | | | | | | |
| 90 T6 (A6:6) | | 2.643,40 | 2.675,30 | 2.804,30 | 2.950,50 | 3.283,00 | 3.388,50 | | | | | | | |
| 100 T6 (A6:3) | | | | | | 3.164,70 | 3.270,20 | 3.512,50 | 4.155,20 | | | | | |
| 100 T6 (A6:6) | | | | | | 3.387,70 | 3.493,00 | 3.735,30 | 4.378,20 | | | | | |
| 112 T6 (A6:3) | | | | | | 3.895,20 | 4.000,60 | 4.242,90 | 4.885,60 | 5.507,90 | | | | |
| 112 T6 (A6:6) | | | | | | 4.118,10 | 4.223,50 | 4.465,80 | 5.108,60 | 5.730,80 | | | | |
| 125 T6 (A6:3) | | | | | | 3.979,30 | 4.084,60 | 4.326,90 | 4.969,80 | 5.592,00 | 6.380,80 | 7.634,00 | 7.902,30 | |
| 125 T6 (A6:6) | | | | | | 4.202,20 | 4.307,60 | 4.549,90 | 5.192,60 | 5.814,80 | 6.603,70 | 7.856,90 | 8.125,30 | |

BOX HBF F200 | THREE PHASE RANGE 2 SPEEDS 4/8 POLE | SERIE TRIFÁSICA 2 VELOCIDADES 4/8 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | | |
|------------------|-----------------------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|
| | 0,15/0,60 | 0,20/0,80 | 0,30/1,2 | 0,40/1,6 | 0,55/2,2 | 0,70/2,8 | 1,0/3,8 | 1,3/5,0 | 1,8/7,2 | 3,0/11 | 3,5/14 | 4,3/17 | 5,0/20 | 6,5/28 | 8,0/30 | 9,2/37 | 11/44 |
| 45 T4/T8 (A2:6) | 975,20 | 1.010,20 | | | | | | | | | | | | | | | |
| 45 T4/T8 (A2:9) | 1.042,50 | 1.077,30 | | | | | | | | | | | | | | | |
| 50 T4/T8 (A2:6) | 1.008,80 | 1.043,70 | 1.107,90 | | | | | | | | | | | | | | |
| 50 T4/T8 (A2:9) | 1.076,10 | 1.111,00 | 1.175,00 | | | | | | | | | | | | | | |
| 56 T4/T8 (A2:6) | 1.145,10 | 1.180,00 | 1.244,20 | 1.278,00 | 1.382,70 | 1.463,30 | | | | | | | | | | | |
| 56 T4/T8 (A2:9) | 1.212,40 | 1.247,30 | 1.311,30 | 1.345,20 | 1.449,90 | 1.530,60 | | | | | | | | | | | |
| 63 T4/T8 (A2:6) | 1.176,00 | 1.210,80 | 1.275,00 | 1.308,90 | 1.413,50 | 1.494,10 | | | | | | | | | | | |
| 63 T4/T8 (A2:9) | 1.243,20 | 1.278,10 | 1.342,20 | 1.376,00 | 1.480,80 | 1.561,40 | | | | | | | | | | | |
| 71 T4/T8 (A2:6) | 1.363,60 | 1.398,50 | 1.462,70 | 1.496,50 | 1.601,10 | 1.681,80 | 1.912,10 | | | | | | | | | | |
| 71 T4/T8 (A2:9) | 1.430,80 | 1.465,80 | 1.529,80 | 1.563,70 | 1.668,40 | 1.749,00 | 1.979,20 | | | | | | | | | | |
| 80 T4/T8 (A2:6) | | | 1.505,70 | 1.539,60 | 1.644,30 | 1.724,90 | 1.955,20 | 2.186,50 | 2.452,40 | | | | | | | | |
| 80 T4/T8 (A2:9) | | | 1.573,00 | 1.606,80 | 1.711,50 | 1.792,10 | 2.022,40 | 2.253,70 | 2.519,70 | | | | | | | | |
| 90 T4/T8 (A6:3) | | | | | 2.496,30 | 2.576,90 | 2.807,10 | 3.038,40 | 3.304,40 | 3.640,00 | 4.037,60 | | | | | | |
| 90 T4/T8 (A6:6) | | | | | 2.719,20 | 2.799,80 | 3.030,10 | 3.261,40 | 3.527,40 | 3.862,90 | 4.260,60 | | | | | | |
| 100 T4/T8 (A6:3) | | | | | | | | 3.143,10 | 3.409,10 | 3.744,50 | 4.142,30 | 4.799,80 | 4.891,70 | | | | |
| 100 T4/T8 (A6:6) | | | | | | | | 3.366,00 | 3.632,00 | 3.967,50 | 4.365,20 | 5.022,80 | 5.114,70 | | | | |
| 112 T4/T8 (A6:3) | | | | | | | | 3.873,50 | 4.139,50 | 4.475,00 | 4.872,70 | 5.530,20 | 5.622,20 | 6.555,70 | 7.251,00 | 9.063,90 | 9.751,10 |
| 112 T4/T8 (A6:6) | | | | | | | | 4.096,40 | 4.362,40 | 4.697,90 | 5.095,60 | 5.753,20 | 5.845,20 | 6.778,60 | 7.473,90 | 9.286,70 | 9.974,00 |
| 125 T4/T8 (A6:3) | | | | | | | | | 4.223,50 | 4.559,10 | 4.956,80 | 5.614,30 | 5.706,30 | 6.639,70 | 7.335,10 | 9.148,00 | 9.835,20 |
| 125 T4/T8 (A6:6) | | | | | | | | | 4.446,50 | 4.782,00 | 5.179,80 | 5.837,20 | 5.929,20 | 6.862,70 | 7.558,10 | 9.370,90 | 10.058,10 |

SMOKE EXHAUST | INSIDE DESENFUMAJE | INMERSOS 400°C/2h, 300°C/2h, 200°C/2h

Homologación oficial APPLUS según norma EN 12101-3:2015.

IGNÉO

Medium pressure with backward impeller 400°C/2h certified inside the hazardous area

Ventilador centrífugo con álabes curvados hacia atrás y certificado 400°C/2h



MANUFACTURING FEATURES

- Medium pressure centrifugal fan with direct coupling.
- Reinforced housing made of carbon laminated steel, protected against corrosion by powder coating polyester resin RAL 5010. Finish C3.
- Casing fully latched and adjustable.
- Self-cleaning impeller and reinforced impeller with high-performance backward (reaction) blades made of carbon laminated steel dynamically balanced to minimize noise and vibrations. Black RAL 9005 finishing coat.
- Motor with S1 service class for continuous operation and approved 400°C / 2h for service class S2. IEC standardized asynchronous squirrel-cage motor with IP-55 protection and electrical insulation class H. Standard voltages 230/400V 50Hz for three-phase motors up to 4kW and 400/690V 50Hz for higher powers.
- Motor with foot (B3) supported on motor support foot.
- Models of size 560 and above are supplied with a front support foot, for the other models the front support foot is optional.
- Inspection door to facilitate maintenance and cleaning.
- Available in the following orientations (to be indicated in case of order): LG0, LG45, LG90, LG135, LG180; LG225, LG270, LG315, RD0, RD45, RD90, RD135, RD180; RD225, RD270, RD315.
- Maximum continuous working temperature: air transported: 130°C (service S1) and 400°C/2h (service S2), and maximum environment temperature: 60°C.

APPLICATIONS

- Inlet and outlet duct installation in clean or slightly dusty air environments:
- Big buildings
 - Malls
 - Factories / Industrial buildings
 - Warehouses
 - Parking lots
 - Catering / Hospitality
 - Extraction of smoke
 - Boilers and ovens
 - Manufacture and treatment of chemical products.
 - Tunnels, underground stations.
 - Exhaust after filters, separators and cyclones.
 - Pneumatic transport.
 - Maximum working temperature: carried air: 130°C, ambient: 60°C.

UNDER REQUEST

- Special voltages.
- 2 speed motor.
- C4-C5.
- Hot dip galvanized.
- Fully welded housing (watertight).
- Drain plug.

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador centrífugo de media presión con acoplamiento directo.
- Carcasa reforzada fabricada en acero laminado al carbono, protegida contra la corrosión mediante recubrimiento de polvo de resina poliéster de color RAL 5010. Acabado C3.
- Carcasa totalmente engatillada y orientable.
- Turbina autolimpiante y rodete reforzado de álabes hacia atrás (a reacción) de alto rendimiento fabricado en acero laminado al carbono equilibrado dinámicamente para minimizar el ruido y las vibraciones. Pintada de color negro RAL 9005.
- Motor con clase de servicio S1 para funcionamiento en continuo y certificado 400°C/2h para clase de servicio S2. Motor IEC asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento eléctrico clase H. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 3kW y 400/690V 50Hz para potencias superiores.
- Motor con patas (B3) soportado sobre pie soporte motor.
- Los modelos de tamaño 500 y superiores se suministran con pie soporte delantero, para el resto de modelos el pie soporte delantero es opcional.
- Puerta de inspección para facilitar mantenimiento y limpieza.
- Disponible en las siguientes orientaciones (a indicar en caso de pedido): LG0, LG45, LG90, LG135, LG180; LG225, LG270, LG315, RD0, RD45, RD90, RD135, RD180; RD225, RD270, RD315.
- Temperatura máxima de trabajo en continuo: aire transportado: 130°C (servicio S1), 400°C/2h (servicio S2) y máxima temperatura ambiente: 60°C.

APLICACIONES

- Instalación en conducto para la impulsión o la aspiración con aire limpio o polvoriento en:
- Grandes edificios.
 - Centros comerciales.
 - Fábricas / Naves industriales.
 - Almacenes.
 - Estacionamientos.
 - Restauración / Hostelería.
 - Extracción de humos.
 - Calderas y hornos.
 - Fabricación y tratamiento de productos químicos.
 - Túneles, estaciones subterráneas.

BAJO DEMANDA

- Voltajes especiales.
- Motor 2 velocidades.
- C4-C5.
- Galvanizado en caliente.
- Carcasa estanca totalmente soldada.
- Drenaje.

ACCESSORIES | ACCESORIOS



INT 400 pg.434

Connexion flange.
Brida de conexión.



AC pg.411

Connexion flange.
Brida de conexión.



JE 45 pg.416

Flexible joint.
Junta elástica.



RA pg.400

Inlet protection guard.
Rejilla de protección.



SFC pg.433

Speed controller for single phase motors.Regulador de velocidad monofásico.



RIS pg.399

Outlet protection guard.
Rejilla de protección.



EIS pg.414

Connection to be fitted in the centrifugal fans outlet.
Brida de conexión para boca de impulsión rectangular de ventiladores centrífugo.



BIDS pg.418

Rectangular-rectangular couplig flange.
Brida de acoplamiento rectangular-rectangular.



BADS F400 pg.417

Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



FS pg.409

Front support for medium and high pressure fans
Pie soporte delantero para ventiladores de media y alta presión



AB pg.425

Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | R.P.M. | Rated I (A) 400V | Rat. Pow. kW | Air flow m ³ /h | Sound dB (A) | Weight Kg | R.R.P € |
|-----------|---------------------|--------|------------------|--------------|----------------------------|---------------|-----------|----------|
| Código | Modelo | R.P.M. | I nom. (A) 400V | Potencia kW | Q máx. m ³ /h | Sonido dB (A) | Peso Kg | P.V.P € |
| IG312480 | IGNÉO 312 T4 0,55kW | 1415 | 1,42 | 0,55 | 2.480 | 44 | 43 | 1.870,10 |
| IG352480 | IGNÉO 352 T4 0,55kW | 1415 | 1,42 | 0,55 | 3.550 | 48 | 65 | 2.000,60 |
| IG402480 | IGNÉO 402 T4 0,55kW | 1415 | 1,42 | 0,55 | 5.080 | 51 | 75 | 2.181,60 |
| IG452490 | IGNÉO 452 T4 1,1kW | 1430 | 2,7 | 1,1 | 7.230 | 55 | 94 | 2.636,30 |
| IG502490 | IGNÉO 502 T4 1,5kW | 1435 | 3,6 | 1,5 | 9.920 | 58 | 130 | 3.029,60 |
| IG5624100 | IGNÉO 562 T4 3kW | 1455 | 6,12 | 3 | 13.940 | 62 | 158 | 3.645,50 |
| IG6324132 | IGNÉO 632 T4 5,5kW | 1455 | 10,58 | 5,5 | 19.850 | 65 | 214 | 4.620,90 |
| IG7124132 | IGNÉO 712 T4 7,5kW | 1455 | 14,46 | 7,5 | 28.410 | 69 | 315 | 5.239,80 |
| IG502680 | IGNÉO 502 T6 0,55kW | 920 | 1,49 | 0,55 | 6.610 | 49 | 117 | 3.019,70 |
| IG562690 | IGNÉO 562 T6 0,75kW | 920 | 1,95 | 0,75 | 9.290 | 53 | 145 | 3.235,90 |
| IG6326100 | IGNÉO 632 T6 1,5kW | 960 | 3,71 | 1,5 | 13.230 | 57 | 180 | 3.918,40 |
| IG7126132 | IGNÉO 712 T6 3kW | 945 | 7,3 | 3 | 18.940 | 60 | 276 | 4.798,50 |



> ESTELADESIGN <

www.casals.com

**SMOKE EXHAUST | INSIDE
DESENFUMAJE | INMERSOS
400°C/2h, 300°C/2h, 200°C/2h**

Homologación oficial APPLUS según norma EN 12101-3:2015.

BOX RLF | BOX RLFX

Backward centrifugal impeller in soundproof cabinet 400°C/2h

Centrífuga a reacción en caja insonorizada 400°C/2h



MANUFACTURING FEATURES

- Box manufactured in galvanised steel sheet.
- Inlet circular flanges.
- Backward impeller. Direct coupling motor to impeller.
- Motor with S1 service class for continuous operation and approved 400°C / 2h for service class S2. IEC standardized asynchronous squirrel-cage motor with IP-55 protection and electrical insulation class H. Standard voltages 230/400V 50Hz for three-phase motors up to 3kW and 400/690V 50Hz for higher powers and single speed motors and 400V 50Hz for 2 speed motors.
- Exchangeable panels.
- Open outlet.
- ATEX II3G (BOX RLFX) version.

APPLICATIONS

Designed for inline installation, they are suitable for:

- Air renewal in buildings and industries.
- Maximum continuous working temperature: 60°C.
- Smoke extraction in case of fire with motor inside the hazardous area (400°C/2h).

UNDER REQUEST

- Double skin insulation.

CARACTERÍSTICAS CONSTRUCTIVAS

- Caja construida en chapa de acero galvanizado.
- Brida circular a la aspiración.
- Ventilador centrífugo con rodete de álabes hacia atrás. Motor acoplado directamente al rodete.
- Motor con clase de servicio S1 para funcionamiento en continuo y certificado 400°C/2h para clase de servicio S2. Motor IEC asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento eléctrico clase H. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 3kW y 400/690V 50Hz para potencias superiores para motores de una velocidad y 400V 50Hz para motores de 2 velocidades.
- Paneles intercambiables.
- Impulsión abierta.
- Versión ATEX II3G (BOX RLFX).

APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Renovación de aire en todo tipo de edificios e industrias.
- Temperatura máxima de trabajo en continuo: 60°C.
- Extracción de humo en caso de incendio estando el motor dentro de la zona de riesgo (400°C/2h).

BAJO DEMANDA

- Panel sándwich.

ACCESSORIES | ACCESORIOS



INT 400 pg.434

Connexion flange.
Brida de conexión.



INT pg.434

Safety switch.
Interruptor de corte.



SFC pg.433

Speed controller for single phase motors.Regulador de velocidad monofásico.



BA-400 pg.416

Anti-vibrating flange 400°/2h flexible.
Brida antivibratoria 400°/2h.



JE 45 pg.416

Flexible joint.
Junta elástica.



SIL-C pg.426

Duct circular silencer.
Silenciador circular conducto.



TIAC pg.419

Cover to do the connection in circular ducts.
Tapa que permite la conexión a conducto circular.

BOX RLF F400

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | Rated R.P.M. | Rated I (A) 400V | Rat. Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|-----------|-----------------------|--------------|--------------------|--------------|---------------|---------------|-----------|----------|
| Código | Modelo | R.P.M. nom. | I nominal (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 241390186 | BOX RLF 400 T4 0,75kW | 1415 | 1,95 | 0,75 | 4.960 | 50 | 115 | 2.756,70 |
| 241460186 | BOX RLF 450 T4 1,1kW | 1430 | 2,7 | 1,1 | 6.580 | 55 | 142 | 2.820,40 |
| 241520186 | BOX RLF 500 T4 1,5kW | 1435 | 3,6 | 1,5 | 8.490 | 60 | 147 | 2.861,60 |
| 241600186 | BOX RLF 560 T4 2,2kW | 1455 | 4,55 | 2,2 | 12.850 | 62 | 187 | 3.174,60 |
| 241670186 | BOX RLF 630 T4 4kW | 1428 | 8,57 | 4 | 19.080 | 66 | 198 | 4.912,80 |
| 241770186 | BOX RLF 710 T4 7,5kW | 1455 | 14,46 | 7,5 | 21.350 | 75 | 263 | 5.443,50 |
| 241830186 | BOX RLF 800 T4 11kW | 1470 | 21,2 | 11 | 35.540 | 83 | 339 | 7.679,30 |
| 241440186 | BOX RLF 400 T6 0,55kW | 920 | 1,69 | 0,55 | 2.770 | 40 | 115 | 2.756,50 |
| 241470186 | BOX RLF 450 T6 0,55kW | 920 | 1,69 | 0,55 | 4.370 | 45 | 141 | 2.832,80 |
| 241540186 | BOX RLF 500 T6 0,55kW | 920 | 1,69 | 0,55 | 5.590 | 50 | 146 | 3.004,90 |
| 241620186 | BOX RLF 560 T6 0,75kW | 920 | 2,2 | 0,75 | 8.130 | 52 | 176 | 3.122,90 |
| 241660186 | BOX RLF 630 T6 1,5kW | 960 | 3,6 | 1,5 | 12.710 | 42 | 218 | 3.461,70 |
| 241760186 | BOX RLF 710 T6 2,2kW | 960 | 5,23 | 2,2 | 16.560 | 46 | 273 | 4.372,20 |
| 241840186 | BOX RLF 800 T6 4kW | 945 | 8,97 | 4 | 20.950 | 48 | 339 | 5.360,70 |

THREE PHASE RANGE 2 SPEEDS | SERIE TRIFÁSICA 2 VELOCIDADES

| Code | Model | Rated R.P.M. | Rated I (A) 400V | Rat. Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|-------------|------------------------------|--------------|--------------------|--------------|---------------|---------------|-----------|----------|
| Código | Modelo | R.P.M. nom. | I nominal (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 2415201862V | BOX RLF 500 T4/T8 1,5/0,3kW | 715/1430 | 3,26/0,88 | 1,5 / 0,3 | 8.400 | 60 | 147 | 3.243,50 |
| 2416001862V | BOX RLF 560 T4/T8 2,2/0,45kW | 715/1430 | 5,08/1,28 | 2,2 / 0,45 | 12.850 | 49 | 187 | 3.650,70 |
| 2416701862V | BOX RLF 630 T4/T8 4/0,75kW | 1430/721 | 8,6/2,6 | 4/0,75 | 19.080 | 66 | 198 | 5.649,80 |
| 2417701862V | BOX RLF 710 T4/T8 7,5/1,5kW | 730/1460 | 14,9/3,7 | 7,5 / 1,5 | 21.350 | 75 | 273 | 6.260,00 |

BOX RLFX F400

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | Rated R.P.M. | Rated I (A) 400V | Rat. Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|-----------|------------------------|--------------|--------------------|--------------|---------------|---------------|-----------|----------|
| Código | Modelo | R.P.M. nom. | I nominal (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 241390196 | BOX RLFX 400 T4 0,75kW | 1415 | 1,95 | 0,75 | 4.960 | 50 | 115 | 3.252,90 |
| 241460196 | BOX RLFX 450 T4 1,1kW | 1430 | 2,7 | 1,1 | 6.580 | 55 | 142 | 3.327,90 |
| 241520196 | BOX RLFX 500 T4 1,5kW | 1435 | 3,6 | 1,5 | 8.490 | 60 | 147 | 3.376,70 |
| 241600196 | BOX RLFX 560 T4 2,2kW | 1455 | 4,55 | 2,2 | 12.850 | 62 | 187 | 3.746,10 |
| 241670196 | BOX RLFX 630 T4 4kW | 1428 | 8,57 | 4 | 19.080 | 66 | 198 | 5.797,00 |
| 241770196 | BOX RLFX 710 T4 7,5kW | 1455 | 14,46 | 7,5 | 21.350 | 75 | 263 | 6.423,20 |
| 241830196 | BOX RLFX 800 T4 11kW | 1470 | 21,2 | 11 | 35.540 | 83 | 339 | 9.061,50 |
| 241440196 | BOX RLFX 400 T6 0,55kW | 920 | 1,69 | 0,55 | 2.770 | 40 | 115 | 3.252,60 |
| 241470196 | BOX RLFX 450 T6 0,55kW | 920 | 1,69 | 0,55 | 4.370 | 45 | 141 | 3.342,70 |
| 241540196 | BOX RLFX 500 T6 0,55kW | 920 | 1,69 | 0,55 | 5.590 | 50 | 146 | 3.545,70 |
| 241620196 | BOX RLFX 560 T6 0,75kW | 920 | 2,2 | 0,75 | 8.130 | 52 | 176 | 3.685,00 |
| 241660196 | BOX RLFX 630 T6 1,5kW | 960 | 3,6 | 1,5 | 12.710 | 42 | 218 | 4.084,80 |
| 241760196 | BOX RLFX 710 T6 2,2kW | 960 | 5,23 | 2,2 | 16.560 | 46 | 273 | 5.159,30 |
| 241840196 | BOX RLFX 800 T6 4kW | 945 | 8,97 | 4 | 20.950 | 48 | 339 | 6.325,50 |

THREE PHASE RANGE 2 SPEEDS | SERIE TRIFÁSICA 2 VELOCIDADES

| Code | Model | Rated R.P.M. | Rated I (A) 400V | Rat. Pow. kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|-------------|-------------------------------|--------------|--------------------|--------------|---------------|---------------|-----------|----------|
| Código | Modelo | R.P.M. nom. | I nominal (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 2415201962V | BOX RLFX 500 T4/T8 1,5/0,3kW | 715/1430 | 3,26/0,88 | 1,5 / 0,3 | 8.400 | 60 | 147 | 3.827,20 |
| 2416001962V | BOX RLFX 560 T4/T8 2,2/0,45kW | 715/1430 | 5,08/1,28 | 2,2 / 0,45 | 12.850 | 49 | 187 | 4.307,80 |
| 2416701962V | BOX RLFX 630 T4/T8 4/0,75kW | 1430/721 | 8,6/2,6 | 4/0,75 | 19.080 | 66 | 198 | 6.666,60 |
| 2417701962V | BOX RLFX 710 T4/T8 7,5/1,5kW | 730/1460 | 14,9/3,7 | 7,5 / 1,5 | 21.350 | 75 | 273 | 7.386,80 |

CTH3 | CTH3-A F400

F400 backward centrifugal roof fan

Centrífuga a reacción de tejado F400



CTH3



CTH3-A



MANUFACTURING FEATURES

- Roof cowl made of ABS in CTH3 version. In CTH3-A models, cowl made of aluminium.
- Structure, roof base support and bird protection guard made of galvanised steel.
- High efficiency backward curved impeller with self-cleaning system and made of in steel.
- Standard asynchronous motor with IP-55 protection and Class F insulation. Manufactured with standard voltages 230V 50Hz in single phase motors, 230/400V 50Hz in three phase motors up to 4 kW, 400/690 for higher power and single speed motors and 400V 50Hz for 2 speed.

APPLICATIONS

Specially designed for roof installation, they are suitable for:

- Smoke extraction.
- Smoke emergency exhaust with motor outside the hazardous area.
- Air renewal in buildings and industries.
- Industrial and professional kitchen hoods.
- Maximum continuous working temperature for CTH3: carried air 80°C, environment 60°C for three phase and 50°C for single phase motors.
- Maximum continuous working temperature for CTH3-A: carried air 110°C, environment 60°C for three phase and 50°C for single phase motors.

UNDER REQUEST

- Special voltages.
- Sparking proof fan with ATEX certified motor.
- Inox 304/316 version.
- Finishing coat C4-C5.

CARACTERÍSTICAS CONSTRUCTIVAS

- Sombrero de protección en ABS para la versión CTH3. Modelos CTH3-A con sombrero de aluminio.
- Estructura, marco soporte de adaptación a tejado y rejilla de protección antipájaros en acero galvanizado.
- Turbinas de álabes curvados hacia atrás de alto rendimiento con sistema autolimpiante y construidas en acero.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230V 50Hz para motores monofásicos, 230/400V 50Hz para motores trifásicos para motores hasta 4 kW, 400/690 para potencias superiores para motores de una velocidad y 400V 50Hz para motores de 2 velocidades.

APLICACIONES

Diseñados para montaje en cubierta o tejado, son indicados para:

- Extracción de humos.
- Extracción de humo en caso de incendio estando el motor fuera de la zona de riesgo.
- Renovación de aire en todo tipo de edificios e industrias.
- Campanas de cocina industriales y profesionales.
- Temperatura máxima de trabajo en continuo para CTH3: aire transportado 80°C, ambiente 60°C en trifásicos y 50°C en monofásicos.
- Temperatura máxima de trabajo en continuo para CTH3-A: aire transportado 110°C, ambiente 60°C en motores trifásicos y 50°C en monofásicos.

BAJO DEMANDA

- Ventiladores para tensiones especiales.
- Ventilador antichispas con motor certificado ATEX.
- Versión en inox 304/316.
- Acabado C4-C5.

ACCESSORIES | ACCESORIOS



SFC pg.433

Frequency speed controller. Variador de velocidad frecuencial.



INT pg.434

Safety switch. Interruptor de corte.



KV CTH3 pg.425

CTH3 vertical discharge. Descarga vertical para CTH3.



CMP pg.403

Horizontal depression damper. Compuerta depresión horizontal.



KB/KF pg.409

Fixing/tilting kit for CTH3. Kit de fijación/basculante para CTH3.



BTI pg.410

Inclined roof support. Base tejadillo inclinable.

CTH3 F400

Plastic cowl / Sombrero de plástico

SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | Rated R.P.M. | Rated I (A) 230V | Rated Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|--------------------|--------------|--------------------|----------------|---------------|---------------|-----------|----------|
| Código | Modelo | R.P.M. nom. | I nominal (A) 230V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € |
| 279220103 | CTH3 225 M4 0,12kW | 1380 | 1,15 | 0,12 | 750 | 37 | 9 | 747,70 |
| 279250103 | CTH3 250 M4 0,12kW | 1380 | 1,15 | 0,12 | 900 | 40 | 10 | 760,90 |
| 279280103 | CTH3 280 M4 0,12kW | 1380 | 1,15 | 0,12 | 1.550 | 44 | 11 | 772,50 |
| 279310103 | CTH3 315 M4 0,25kW | 1400 | 1,93 | 0,25 | 2.300 | 48 | 15 | 877,90 |
| 279410103 | CTH3 400 M6 0,37kW | 890 | 2,9 | 0,37 | 3.550 | 47 | 21 | 947,00 |

THREE PHASE RANGE | SERIE TRIFÁSICA

| Código | Modelo | R.P.M. nom. | I nominal (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
|-----------|--------------------|-------------|---------------|------|------------|-------------|---------------|---------|-----------------|
| | | | 230V | 400V | | | | | |
| 279220106 | CTH3 225 T4 0,12kW | 1400 | 0,8 | 0,46 | 0,12 | 750 | 37 | 9 | 725,90 |
| 279250106 | CTH3 250 T4 0,12kW | 1400 | 0,8 | 0,46 | 0,12 | 900 | 40 | 10 | 731,60 |
| 279280106 | CTH3 280 T4 0,12kW | 1400 | 0,8 | 0,46 | 0,12 | 1.550 | 44 | 11 | 742,80 |
| 279310106 | CTH3 315 T4 0,25kW | 1400 | 1,38 | 0,79 | 0,25 | 2.300 | 48 | 15 | 844,20 |
| 279350106 | CTH3 355 T4 0,55kW | 1400 | 2,57 | 1,49 | 0,55 | 3.400 | 53 | 19 | 861,00 |
| 279400106 | CTH3 400 T4 0,75kW | 1390 | 2,83 | 1,63 | 0,75 | 5.400 | 57 | 21 | 913,90 |
| 279450106 | CTH3 450 T4 1,1kW | 1400 | 4,33 | 2,49 | 1,1 | 7.600 | 60 | 38 | 1.091,80 |
| 279500106 | CTH3 500 T4 1,5kW | 1400 | 5,67 | 3,26 | 1,5 | 10.200 | 63 | 50 | 1.519,50 |
| 279560106 | CTH3 560 T4 3kW | 1430 | 10,7 | 6,17 | 3 | 13.200 | 66 | 55 | 1.738,90 |
| 279410106 | CTH3 400 T6 0,37kW | 900 | 2,2 | 1,27 | 0,37 | 3.550 | 47 | 21 | 910,50 |
| 279460106 | CTH3 450 T6 0,37kW | 910 | 3,39 | 1,95 | 0,37 | 4.850 | 51 | 38 | 1.084,00 |
| 279510106 | CTH3 500 T6 0,75kW | 910 | 3,39 | 1,95 | 0,75 | 6.450 | 54 | 50 | 1.538,60 |
| 279570106 | CTH3 560 T6 0,75kW | 910 | 3,39 | 1,95 | 0,75 | 8.400 | 56 | 55 | 1.698,10 |
| 279630106 | CTH3 630 T6 1,5kW | 940 | 6,45 | 3,71 | 1,5 | 12.200 | 60 | 70 | 1.872,50 |
| 279710106 | CTH3 710 T6 2,2kW | 940 | 10,3 | 5,94 | 2,2 | 19.000 | 65 | 170 | 2.237,40 |
| 279800106 | CTH3 800 T6 4kW | 960 | 16,5 | 9,46 | 4 | 25.000 | 67 | 205 | 2.690,70 |

THREE PHASE RANGE 2 SPEEDS | SERIE TRIFÁSICA 2 VELOCIDADES

| Code | Model | R.P.M | Rated I (A) 400V | Rated Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € |
|-------------|-----------------------------|----------|--------------------|----------------|---------------|---------------|-----------|-----------------|
| Código | Modelo | R.P.M | I nominal (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 2793101062V | CTH3 315 T4/T8 0,25/0,03kW | 1370/705 | 1,13/0,37 | 0,25/0,03 | 2.300/1.150 | 48 | 15,6 | 866,10 |
| 2793501062V | CTH3 355 T4/T8 0,55/0,09kW | 1410/710 | 1,77/0,61 | 0,55/0,09 | 3.400/1.700 | 53 | 19,3 | 907,60 |
| 2794001062V | CTH3 400 T4/T8 0,75/0,12kW | 1400/710 | 2,03/0,68 | 0,75/0,12 | 5.400/2.700 | 57 | 16 | 990,60 |
| 2794501062V | CTH3 450 T4/T8 1,1/0,18kW | 1400/710 | 2,67/1,08 | 1,1/0,18 | 7.600/3.800 | 60 | 29,3 | 1.165,40 |
| 2795001062V | CTH3 500 T4/T8 1,5/0,25kW | 1400/710 | 3,46/1,27 | 1,5/0,25 | 10.200/5.100 | 63 | 45,2 | 1.600,80 |
| 2795601062V | CTH3 560 T4/T8 3/0,55kW | 1430/710 | 6,53/2,33 | 3/0,55 | 13.200/6.600 | 66 | 46 | 1.847,20 |
| 2795101062V | CTH3 500 T6/T12 0,75/0,15kW | 910/450 | 2,11/0,59 | 0,75/0,15 | 6.450/3.230 | 54 | 49 | 2.240,10 |
| 2795701062V | CTH3 560 T6/T12 0,75/0,15kW | 910/450 | 2,11/0,59 | 0,75/0,15 | 8.400/4.200 | 56 | 54 | 2.399,60 |
| 2796301062V | CTH3 630 T6/T12 1,5/0,25kW | 910/450 | 3,99/0,94 | 1,5/0,25 | 12.200/6.100 | 60 | 69,5 | 2.698,30 |
| 2797101062V | CTH3 710 T6/T12 2,2/0,55kW | 930/460 | 5,98/1,65 | 2,2/0,55 | 19.000/9.500 | 65 | 162 | 3.163,40 |
| 2798001062V | CTH3 800 T6/T12 4/1kW | 960/470 | 11,77/3,39 | 4/1 | 25.000/12.500 | 67 | 190 | 3.833,30 |

CTH3-A F400

Aluminium cowl / Sombrerete de aluminio

SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | Rated R.P.M. | Rated I (A) 230V | Rated Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|------------|----------------------|--------------|--------------------|----------------|---------------|---------------|-----------|----------|
| Código | Modelo | R.P.M. nom. | I nominal (A) 230V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € |
| 279220103A | CTH3-A 225 M4 0,12kW | 1380 | 1,15 | 0,12 | 750 | 37 | 9 | 759,00 |
| 279250103A | CTH3-A 250 M4 0,12kW | 1380 | 1,15 | 0,12 | 900 | 40 | 10 | 772,30 |
| 279280103A | CTH3-A 280 M4 0,12kW | 1380 | 1,15 | 0,12 | 1.550 | 44 | 11 | 784,10 |
| 279310103A | CTH3-A 315 M4 0,25kW | 1400 | 1,93 | 0,25 | 2.300 | 48 | 15 | 891,10 |
| 279410103A | CTH3-A 400 M6 0,37kW | 890 | 2,9 | 0,37 | 3.550 | 47 | 21 | 961,20 |

THREE PHASE RANGE | SERIE TRIFÁSICA

| Código | Modelo | R.P.M. nom. | I nominal (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € |
|------------|----------------------|-------------|---------------|------|------------|-------------|---------------|---------|----------|
| | | | 230V | 400V | | | | | |
| 279220106A | CTH3-A 225 T4 0,12kW | 1400 | 0,8 | 0,46 | 0,12 | 750 | 37 | 9 | 736,90 |
| 279250106A | CTH3-A 250 T4 0,12kW | 1400 | 0,8 | 0,46 | 0,12 | 900 | 40 | 10 | 742,50 |
| 279280106A | CTH3-A 280 T4 0,12kW | 1400 | 0,8 | 0,46 | 0,12 | 1.550 | 44 | 11 | 754,00 |
| 279310106A | CTH3-A 315 T4 0,25kW | 1400 | 1,38 | 0,79 | 0,25 | 2.300 | 48 | 15 | 856,80 |
| 279350106A | CTH3-A 355 T4 0,55kW | 1400 | 2,57 | 1,49 | 0,55 | 3.400 | 53 | 19 | 874,00 |
| 279400106A | CTH3-A 400 T4 0,75kW | 1390 | 2,83 | 1,63 | 0,75 | 5.400 | 57 | 21 | 927,60 |
| 279450106A | CTH3-A 450 T4 1,1kW | 1400 | 4,33 | 2,49 | 1,1 | 7.600 | 60 | 38 | 1.108,10 |
| 279500106A | CTH3-A 500 T4 1,5kW | 1400 | 5,67 | 3,26 | 1,5 | 10.200 | 63 | 50 | 1.542,20 |
| 279560106A | CTH3-A 560 T4 3kW | 1430 | 10,7 | 6,17 | 3 | 13.200 | 66 | 55 | 1.765,00 |
| 279410106A | CTH3-A 400 T6 0,37kW | 900 | 2,2 | 1,27 | 0,37 | 3.550 | 47 | 21 | 924,20 |
| 279460106A | CTH3-A 450 T6 0,37kW | 910 | 3,39 | 1,95 | 0,37 | 4.850 | 51 | 38 | 1.100,10 |
| 279510106A | CTH3-A 500 T6 0,75kW | 910 | 3,39 | 1,95 | 0,75 | 6.450 | 54 | 50 | 1.561,80 |
| 279570106A | CTH3-A 560 T6 0,75kW | 910 | 3,39 | 1,95 | 0,75 | 8.400 | 56 | 55 | 1.723,50 |
| 279630106A | CTH3-A 630 T6 1,5kW | 940 | 6,45 | 3,71 | 1,5 | 12.200 | 60 | 70 | 1.900,70 |
| 279710106A | CTH3-A 710 T6 2,2kW | 940 | 10,3 | 5,94 | 2,2 | 19.000 | 65 | 170 | 2.270,80 |
| 279800106A | CTH3-A 800 T6 4kW | 960 | 16,5 | 9,46 | 4 | 25.000 | 67 | 205 | 2.730,90 |
| 279900106A | CTH3-A 900 T6 11kW | 965 | - | 22,6 | 11 | 35.000 | 72 | 250 | 4.226,70 |
| 279100106A | CTH3-A 1000 T8 7,5kW | 725 | - | 17 | 7,5 | 40.600 | 66 | 275 | 4.745,90 |

THREE PHASE RANGE 2 SPEEDS | SERIE TRIFÁSICA 2 VELOCIDADES

| Code | Model | R.P.M | Rated I (A) 400V | Rated Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|--------------|-------------------------------|----------|--------------------|----------------|---------------|---------------|-----------|----------|
| Código | Modelo | R.P.M | I nominal (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € |
| 279310106A2V | CTH3-A 315 T4/T8 0,25/0,03kW | 1370/705 | 1,13/0,37 | 0,25/0,03 | 2.300/1.150 | 48 | 15,6 | 878,70 |
| 279350106A2V | CTH3-A 355 T4/T8 0,55/0,09kW | 1410/710 | 1,77/0,61 | 0,55/0,09 | 3.400/1.700 | 53 | 19,3 | 920,60 |
| 279400106A2V | CTH3-A 400 T4/T8 0,75/0,12kW | 1400/710 | 2,03/0,68 | 0,75/0,12 | 5.400/2.700 | 57 | 16 | 1.004,30 |
| 279450106A2V | CTH3-A 450 T4/T8 1,1/0,18kW | 1400/710 | 2,67/1,08 | 1,1/0,18 | 7.600/3.800 | 60 | 29,3 | 1.181,70 |
| 279500106A2V | CTH3-A 500 T4/T8 1,5/0,25kW | 1400/710 | 3,46/1,27 | 1,5/0,25 | 10.200/5.100 | 63 | 45,2 | 1.623,50 |
| 279560106A2V | CTH3-A 560 T4/T8 3/0,55kW | 1430/710 | 6,53/2,33 | 3/0,55 | 13.200/6.600 | 66 | 46 | 1.873,30 |
| 279510106A2V | CTH3-A 500 T6/T12 0,75/0,15kW | 910/450 | 2,11/0,59 | 0,75/0,15 | 6.450/3.230 | 54 | 49 | 2.263,30 |
| 279570106A2V | CTH3-A 560 T6/T12 0,75/0,15kW | 910/450 | 2,11/0,59 | 0,75/0,15 | 8.400/4.200 | 56 | 54 | 2.425,00 |
| 279630106A2V | CTH3-A 630 T6/T12 1,5/0,25kW | 910/450 | 3,99/0,94 | 1,5/0,25 | 12.200/6.100 | 60 | 69,5 | 2.726,50 |
| 279710106A2V | CTH3-A 710 T6/T12 2,2/0,55kW | 930/460 | 5,98/1,65 | 2,2/0,55 | 19.000/9.500 | 65 | 162 | 3.196,80 |
| 279800106A2V | CTH3-A 800 T6/T12 4/1kW | 960/470 | 11,77/3,39 | 4/1 | 25.000/12.500 | 67 | 190 | 3.873,50 |

BVFC F400

Belt driven centrifugal cabinet fan 400°C/2h

Centrífugo a transmisión en caja 400°C/2h



MANUFACTURING FEATURES

- Fans in compact thermal and soundproof cabinets with motor and belt driven set outside the airstream.
- Double inlet forward curved impeller.
- Belt driven bearings specially designed for high temperatures.
- Standard asynchronous squirrel-cage motor with IP-55 protection and Class F insulation. Standard voltages 230/400V 50Hz in three phase motors up to 4kW and 400/690V 50Hz for higher power and single speed motors and 400V 50Hz for 2 speed.

APPLICATIONS

Designed for inline installation, indoor or outdoor assembly, they are suitable for:

- Smoke emergency exhaust with motor outside the hazardous area.
- Industrial and professional kitchen hoods.
- Maximum continuous working temperature: carried air 110°C; environment: 60°C.

UNDER REQUEST

- Vertical discharge. 10% additional cost.
- Weather protective roof for sizes from 20/20 to 30/28.

This is a belt driven range, each model can be manufactured at different rpm, in case of order should be indicated the desired rpm for the correct operation of the unit and according to the needs.

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador montado en caja compacta de reunión de chapa galvanizada con motor y conjunto de transmisión fuera del flujo del aire.
- Turbina multipala de doble aspiración.
- Rodamientos de la transmisión especiales para alta temperatura.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores para motores de una velocidad y 400V 50Hz para motores de 2 velocidades.

APLICACIONES

Diseñados para la instalación en conducto, en interior o intemperie, son indicados para:

- Extracción de humo en caso de incendio estando el motor fuera de la zona de riesgo.
- Campanas de cocina industriales y profesionales.
- Temperatura máxima de trabajo en continuo: aire transportado: 110°C, ambiente: 60°C.

BAJO DEMANDA

- Impulsión vertical, con incremento del 10% sobre el PVP.
- Tejadillo para los tamaños del 20/20 al 30/28.

Esta gama es a transmisión, cada modelo se puede fabricar a distintas rpm, en caso de pedido se debe indicar las rpm a las que desea el equipo para que el modelo quede correctamente definido y sea adecuado a sus necesidades.



This product meets the AMCA ratings for flow/pressure and sound up to model 18/18 according to catalog VIAC 001. Este producto sigue los AMCA ratings para caudal/presión y sonido hasta modelo 18/18 según catálogo VIAC 001.

ACCESSORIES | ACCESORIOS



INT 400 pg.434

Connexion flange.
Brida de conexión.



INT pg.434

Safety switch.
Interruptor de corte.



SFC pg.433

Speed controller for single phase motors.
Regulador de velocidad monofásico.



VIS pg.421

Flange with bird guard.
Visera con malla antipájaros.



PI pg.402

Gravity shutter to be fitted on centrifugal fans.
Persiana de sobrepresión para montaje en ventiladores centrífugos.



TEJ pg.421

Weather protective roof.
Tejadillo de acero galvanizado.



TCA pg.419

Duct circular silencer.
Silenciador circular conducto.



TIAC pg.419

Cover to do the connection in circular ducts.
Tapa que permite la conexión a conducto circular.

THREE PHASE RANGE | SERIE TRIFÁSICA

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | |
|-----------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 |
| BVFC 9/9 | 1.054,10 | 1.070,10 | 1.074,60 | 1.114,80 | | | | | | | | | |
| BVFC 10/10 | 1.125,40 | 1.141,40 | 1.145,80 | 1.186,10 | 1.227,80 | | | | | | | | |
| BVFC 12/12 | 1.282,00 | 1.298,00 | 1.302,50 | 1.342,70 | 1.384,40 | 1.474,30 | | | | | | | |
| BVFC 15/15 | | 1.613,40 | 1.617,90 | 1.658,10 | 1.699,70 | 1.789,60 | 1.870,10 | 1.989,40 | | | | | |
| BVFC 18/18 | | | | 2.007,20 | 2.048,90 | 2.138,70 | 2.219,40 | 2.338,40 | 2.519,40 | | | | |
| BVFC 20/20 | | | | | 3.147,50 | 3.237,30 | 3.317,90 | 3.437,00 | 3.617,90 | 3.773,10 | 4.090,00 | | |
| BVFC 22/22 | | | | | | 3.515,10 | 3.595,70 | 3.714,70 | 3.895,70 | 4.050,80 | 4.367,80 | 4.540,30 | |
| BVFC 25/25 | | | | | | 4.092,40 | 4.172,90 | 4.292,10 | 4.473,10 | 4.628,10 | 4.945,10 | 5.117,60 | |
| BVFC 30/28 | | | | | | 4.581,80 | 4.662,50 | 4.781,70 | 4.962,60 | 5.117,70 | 5.434,60 | 5.607,10 | 5.802,60 |

SMOKE EXHAUST | OUTSIDE
DESENFUMAJE | A TRASIEGO
400°C/2h

Homologación oficial APPLUS según norma EN 12101-3:2015.



THREE PHASE RANGE 2 SPEEDS | SERIE TRIFÁSICA 2 VELOCIDADES

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | |
|-----------------|-----------------------|-----------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,33/0,04 | 0,55/0,09 | 0,75/0,12 | 1,1/0,18 | 1,5/0,25 | 2,2/0,37 | 3/0,55 | 4/0,75 | 5,5/1,1 | 7,5/1,5 | 11/2,8 | 15/3,5 |
| BVFC 9/9 | 1.076,40 | 1.116,80 | 1.151,40 | 1.188,40 | | | | | | | | |
| BVFC 10/10 | 1.147,70 | 1.188,10 | 1.222,70 | 1.259,70 | 1.309,10 | | | | | | | |
| BVFC 12/12 | 1.304,20 | 1.344,60 | 1.379,20 | 1.416,20 | 1.465,60 | 1.589,00 | | | | | | |
| BVFC 15/15 | | 1.660,10 | 1.694,70 | 1.731,70 | 1.781,10 | 1.904,50 | 1.978,50 | 2.139,00 | | | | |
| BVFC 18/18 | | | | 2.080,80 | 2.130,20 | 2.253,60 | 2.327,60 | 2.488,10 | 2.784,20 | | | |
| BVFC 20/20 | | | | | 3.228,70 | 3.352,10 | 3.426,20 | 3.586,60 | 3.882,80 | 4.030,90 | | |
| BVFC 22/22 | | | | | | 3.629,90 | 3.704,00 | 3.864,40 | 4.160,60 | 4.308,70 | 4.597,70 | |
| BVFC 25/25 | | | | | | 4.207,30 | 4.281,30 | 4.441,70 | 4.737,90 | 4.886,00 | 5.175,00 | |
| BVFC 30/28 | | | | | | 4.696,70 | 4.770,80 | 4.931,20 | 5.227,40 | 5.375,50 | 5.664,50 | 5.914,20 |



> ERELIS <
 > 100/120/150

> EXTRACTOR **ULTRA SILENCIOSO**
 Y **DELGADO** CON COMPUERTA
 ANTIRRETORNO <

> **ULTRA QUIET AND SLIM** EXTRACTOR
 WITH BACKDRAUGHT DAMPER <



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> TEKSTÜR <
 > 100/120

> EXTRACTOR DE ALTA GAMA CON
 TEMPORIZADOR Y COMPUERTA
 ANTIRRETORNO <

> **HIGH-END EXTRACTOR** WITH
 BACKDRAUGHT DAMPER <



www.casals.com

DHUMAT F400

Backward smoke extraction fan casing 400°C/2h

Caja de desenfumaje a reacción 400°C/2h



MANUFACTURING FEATURES

CASING:

- Made of galvanized steel sheet with connection flanges and inspection door.
- Changeable panels.

MOTOR SUPPORT:

- Galvanised steel plate, motor with flanges fixed on 2 supports. Removable plate / support / impeller set.

IMPELLER:

- Backward centrifugal impeller, made of galvanised steel, dynamically balanced and self-cleaning.
- Direct drive on the motor shaft.

MOTOR:

- Three phase motor with IP-55 protection and F class insulation. Standard voltages 230/400V 50Hz up to 4kW and 400/690V 50Hz for higher powers and single speed motors and 400V 50Hz for 2 speed.

APPLICATIONS

- Smoke extraction in tertiary buildings IGH and ERP.
- Ventilation and smoke exhaust in covered car parks.
- Ventilation in technical, industrial or commercial facilities, kitchens.
- Maximum continuous working temperature: carried air 110°C, environment 60°C.

CARACTERÍSTICAS CONSTRUCTIVAS

ENVOLVENTE:

- Fabricación en chapa de acero galvanizado con bridas de conexión y trampillas de inspección.
- Paneles intercambiables.

SOPORTE MOTOR:

- Placas de acero galvanizado, motor con patas fijado sobre dos montantes. Conjunto placa / soporte / turbina desmontables.

TURBINA:

- Centrífuga a reacción, en acero galvanizado, equilibrada dinámicamente y autolimpiante.
- Acoplamiento directo sobre el eje del motor.

MOTOR:

- Motor trifásico con protección IP-55 y aislamiento clase F. Motores de 1 velocidad con voltajes estándar 230/400V 50Hz hasta 4kW y 400/690V 50Hz para potencias superiores para motores de una velocidad y 400V 50Hz para motores de 2 velocidades.

APLICACIONES

- Desenfumaje de edificios de gran altura y establecimientos que reciben público.
- Ventilación y extracción de humos de aparcamientos cubiertos.
- Ventilación de locales técnicos, industriales o comercios, cocinas.
- Temperatura máxima de trabajo en continuo: aire transportado 110°C, ambiente 60°C.

ACCESSORIES | ACCESORIOS



EI DHUMAT pg.413

Outlet flange
Embocadura impulsión



VIS DHUMAT pg.421

Flange with bird guard
Visera con malla antipájaros



DFK pg.408

Dhumat feet kit
Pies Dhumat



SFC pg.433

Frequency speed controller
Variador de velocidad
frecuencial

THREE PHASE RANGE | SERIE TRIFÁSICA

| Código | Modelo | R.P.M. nom. | I nominal (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
|-----------|----------------------|-------------|---------------|------|------------|-------------|---------------|---------|----------|
| | | | 230V | 400V | | | | | |
| 245310182 | DHUMAT 315 T2 1,1kW | 2800 | 4,05 | 2,33 | 1,1 | 4.400 | 55 | 64 | 1.072,80 |
| 245350182 | DHUMAT 355 T2 2,2kW | 2800 | 7,97 | 4,58 | 2,2 | 6.740 | 58 | 73 | 1.149,50 |
| 245310181 | DHUMAT 315 T4 0,25kW | 1400 | 1,38 | 0,79 | 0,25 | 2.220 | 50 | 60 | 961,50 |
| 245350181 | DHUMAT 355 T4 0,55kW | 1400 | 2,57 | 1,49 | 0,55 | 3.400 | 53 | 68 | 974,60 |
| 245400181 | DHUMAT 400 T4 0,75kW | 1390 | 2,83 | 1,63 | 0,75 | 5.040 | 56 | 84 | 981,20 |
| 245450181 | DHUMAT 450 T4 1,1kW | 1400 | 4,33 | 2,49 | 1,1 | 6.940 | 59 | 120 | 1.224,40 |
| 245500181 | DHUMAT 500 T4 1,5kW | 1400 | 5,67 | 3,26 | 1,5 | 9.520 | 62 | 153 | 1.483,90 |
| 245560181 | DHUMAT 560 T4 3kW | 1430 | 10,7 | 6,17 | 3 | 12.450 | 66 | 194 | 1.629,70 |
| 245630181 | DHUMAT 630 T4 4kW | 1440 | 14,5 | 8,32 | 4 | 17.900 | 67 | 246 | 2.112,30 |
| 245400182 | DHUMAT 400 T6 0,37kW | 900 | 2,2 | 1,27 | 0,37 | 3.300 | 48 | 81 | 992,50 |
| 245450182 | DHUMAT 450 T6 0,75kW | 910 | 3,39 | 1,95 | 0,75 | 4.620 | 52 | 114 | 1.129,90 |
| 245500182 | DHUMAT 500 T6 0,75kW | 910 | 3,39 | 1,95 | 0,75 | 6.150 | 55 | 146 | 1.333,40 |
| 245560182 | DHUMAT 560 T6 0,75kW | 910 | 3,39 | 1,95 | 0,75 | 8.300 | 59 | 183 | 1.503,90 |
| 245630182 | DHUMAT 630 T6 1,5kW | 940 | 6,45 | 3,71 | 1,5 | 11.750 | 62 | 229 | 1.920,80 |
| 245710181 | DHUMAT 710 T6 2,2kW | 940 | 10,3 | 5,94 | 2,2 | 18.060 | 66 | 303 | 2.485,80 |
| 245800181 | DHUMAT 800 T6 4kW | 960 | 16,5 | 9,46 | 4 | 24.140 | 70 | 363 | 2.880,90 |

SMOKE EXHAUST | OUTSIDE
DESENFUMAJE | A TRASIEGO
400°C/2h

Homologación oficial APPLUS según norma EN 12101-3:2015.

THREE PHASE RANGE 2 SPEEDS | SERIE TRIFÁSICA 2 VELOCIDADES

| Code | Model | R.P.M | Rated I (A) 400V | Rated Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-------------|-------------------------------|----------|--------------------|----------------|---------------|---------------|-----------|-----------------|
| Código | Modelo | R.P.M | I nominal (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € |
| 2453101812V | DHUMAT 315 T4/T8 0,25/0,03kW | 1370/705 | 1,13/0,37 | 0,25/0,03 | 2.220/1.110 | 50 | 60,6 | 983,40 |
| 2453501812V | DHUMAT 355 T4/T8 0,55/0,09kW | 1410/710 | 1,77/0,61 | 0,55/0,09 | 3.400/1.700 | 53 | 68,3 | 1.021,20 |
| 2454001812V | DHUMAT 400 T4/T8 0,75/0,12kW | 1400/710 | 2,03/0,68 | 0,75/0,12 | 5.040/2.520 | 56 | 79 | 1.057,90 |
| 2454501812V | DHUMAT 450 T4/T8 1,1/0,18kW | 1400/710 | 2,67/1,08 | 1,1/0,18 | 6.940/3.470 | 59 | 111,3 | 1.298,00 |
| 2455001812V | DHUMAT 500 T4/T8 1,5/0,25kW | 1400/710 | 3,46/1,27 | 1,5/0,25 | 9.520/4.760 | 62 | 148,2 | 1.565,20 |
| 2455601812V | DHUMAT 560 T4/T8 3/0,55kW | 1430/710 | 6,53/2,33 | 3/0,55 | 12.450/6.225 | 66 | 185 | 1.738,00 |
| 2456301812V | DHUMAT 630 T4/T8 4/0,75kW | 1440/710 | 8,15/2,74 | 4/0,75 | 17.900/8.950 | 67 | 243,2 | 2.261,90 |
| 2454501822V | DHUMAT 450 T6/T12 0,75/0,15kW | 910/450 | 2,11/0,59 | 0,75/0,15 | 4.620/2.310 | 52 | 113 | 1.831,40 |
| 2455001822V | DHUMAT 500 T6/T12 0,75/0,15kW | 910/450 | 2,11/0,59 | 0,75/0,15 | 6.150/3.075 | 55 | 145 | 2.034,90 |
| 2455601822V | DHUMAT 560 T6/T12 0,75/0,15kW | 910/450 | 2,11/0,59 | 0,75/0,15 | 8.300/4.150 | 59 | 182 | 2.205,40 |
| 2456301822V | DHUMAT 630 T6/T12 1,5/0,25kW | 910/450 | 3,99/0,94 | 1,5/0,25 | 11.750/5.875 | 62 | 228,5 | 2.746,60 |
| 2457101812V | DHUMAT 710 T6/T12 2,2/0,55kW | 930/460 | 5,98/1,65 | 2,2/0,55 | 18.060/9.030 | 66 | 295 | 3.411,80 |
| 2458001812V | DHUMAT 800 T6/T12 4/1kW | 960/470 | 11,77/3,39 | 4/1 | 24.140/12.070 | 70 | 348 | 4.023,50 |



CIKSTORM

50 Hz



KASTORM

60 Hz



BOX BSTB F400

Belt driven backward centrifugal cabinet fan 400°C/2h

Caja de ventilación a transmisión 400°C/2h con turbina a reacción



MANUFACTURING FEATURES

- BSTB range fans assembled in soundproof cabinets with insulated panels.
- Fan assembled on antivibration mountings.
- Simple inlet, backward impeller with self-cleaning system.
- Supplied with motor, pulleys and belts.
- Connection gland included.
- Squirrel cage asynchronous standard motor, IP-55 protection and rated class F insulation. Standard voltages 230/400V 50Hz for three phases, motors up to 4kW, and 400/690V 50Hz for higher powers.

APPLICATIONS

Designed for inline installation, indoor or outdoor assembly, they are suitable for:

- Air renewal in buildings and industries.
- Industrial and professional kitchen hoods.
- Smoke emergency exhaust with motor outside the hazardous area (400°C/2h certificate).
- Maximum working temperature in continuous: carried air 130°C; environment 60°C.

UNDER REQUEST

- Special voltages.
- 2 speed motors.
- LG90 position (horizontal discharge).
- LG0 position (vertical discharge). 10% additional cost.
- Sandwich insulation.

This is a belt driven range, each model can be manufactured at different rpm, in case of order should be indicated the desired rpm for the correct operation of the unit and according to the needs.

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventiladores serie BSTB montados en cajas de reunión aisladas acústicamente.
- Ventilador montado sobre amortiguadores de goma.
- Ventilador centrífugo con sistema autolimpiante y rodets de álabes hacia atrás (a reacción) de simple oído.
- El ventilador se suministra con motor montado en base, con poleas y correas.
- Salida de cables por prensaestopas.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.

APLICACIONES

Diseñados para la instalación en conducto, en interior o intemperie, son indicados para:

- Renovación de aire en todo tipo de edificios e industrias.
- Extracción de humo en caso de incendio estando el motor fuera de la zona de riesgo (certificado 400°C/2h).
- Campanas de cocina industriales y profesionales.
- Temperatura máxima de trabajo en continuo: aire transportado: 130°C, ambiente: 60°C.

BAJO DEMANDA

- Voltajes especiales.
- Motores 2 velocidades.
- Posición LG90 (descarga horizontal).
- Posición LG0 (descarga vertical). Incremento 10% sobre PVP.
- Aislamiento con panel sándwich.

Esta gama es a transmisión, cada modelo se puede fabricar a distintas rpm, en caso de pedido se debe indicar las rpm a las que desea el equipo para que el modelo quede correctamente definido y sea adecuado a sus necesidades.

ACCESSORIES | ACCESORIOS



INT 400 pg.434
Connexion flange.
Brida de conexión.



INT pg.434
Safety switch.
Interruptor de corte.



SFC pg.433
Speed controller for single phase motors.
Regulador de velocidad monofásico.



BA-400 pg.416
Flexible flange 400°C/2h.
Brida antivibratoria 400°C/2h.

THREE PHASE RANGE | SERIE TRIFÁSICA

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | |
|-----------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 |
| BOX BSTB 355 | 2.059,50 | 2.075,60 | 2.080,00 | 2.120,30 | 2.161,90 | 2.251,80 | 2.332,40 | | | | | | | |
| BOX BSTB 400 | | 2.296,30 | 2.300,70 | 2.341,00 | 2.382,70 | 2.472,50 | 2.553,00 | 2.672,20 | | | | | | |
| BOX BSTB 450 | | | 2.537,00 | 2.577,20 | 2.618,90 | 2.708,70 | 2.789,30 | 2.908,40 | 3.089,30 | 3.244,40 | 3.561,30 | | | |
| BOX BSTB 500 | | | | 2.952,20 | 2.993,90 | 3.083,70 | 3.164,30 | 3.283,40 | 3.464,40 | 3.619,50 | 3.936,40 | | | |
| BOX BSTB 560 | | | | | 3.854,70 | 3.944,40 | 4.025,00 | 4.144,10 | 4.325,10 | 4.480,20 | 4.797,10 | 4.969,80 | | |
| BOX BSTB 630 | | | | | | 4.165,40 | 4.246,00 | 4.365,00 | 4.546,00 | 4.701,10 | 5.018,10 | 5.190,60 | 5.386,10 | |
| BOX BSTB 710 | | | | | | | 5.554,20 | 5.673,40 | 5.854,20 | 6.009,30 | 6.326,20 | 6.498,90 | 6.694,30 | 7.127,00 |





ATEX fans

Ventiladores ATEX



HJBMX

ATEX Square wall plate fan with variable pitch blades

Mural ATEX con marco cuadrado y pala variable



ATEX OPTIONS UNDER REQUEST | OPCIONES ATEX BAJO DEMANDA

Three-phase MOTOR explosion-proof under the ATEX 2014/34/EU Directive for working temperatures from -20°C to +40°C.
MOTORES trifásicos antiexplosivos bajo Directiva ATEX 2014/34/UE para temperaturas de trabajo de -20°C a +40°C.

- ATEX Explosion-proof for GAS | ATEX Antideflagrantes para GAS
- ⓧII2G Ex-d IIB T4 IP66
- ⓧII2G Ex-d IIC T4 IP66 (OPTIONAL PTC PROBE | Sonda PTC OPCIONAL)
- ⓧII2G Ex-d IIC T5 IP66
- ATEX Increased security for GAS | ATEX Seguridad aumentada para GAS:
- ⓧII2G Ex-e T3 IP55
- ATEX Protection "n" for GAS | ATEX Protección "n" para GAS:
- ⓧII3G Ex-nA IIC T4 Gc
- ATEX Protection "n" for GAS and NON-CONDUCTIVE DUST | ATEX Protección "n" para GAS y POLVO NO CONDUCTOR:
- ⓧII3GD Ex-nA IIC T4 Gc Ex-rc IIB T125° IP55 ZONA 22
- ATEX Explosion-proof for GAS and DUST | ATEX Antideflagrantes para GAS y POLVO:
- ⓧII2GD Ex-d IIC T4 IP66
- ⓧII2GD Ex-d IIC T5 IP66
- ATEX Increased security for DUST | ATEX Seguridad aumentada para POLVO:
- ⓧII3D Ex-e Dc
- ATEX Protection by enclosure for DRIVER DUST | ATEX Protección por recinto para POLVO CONDUCTOR:
- ⓧII3D Ex-rc IIC T125° Dc IP55 ZONA 22

To carry out the selection of an ATEX fan, please use the curves that you will find in the Fanware by Casals selection software. The electrical data of these ATEX models can be modified.

Para llevar a cabo la selección de un ventilador ATEX, por favor use las curvas que encontrará en el programa de selección Fanware by Casals. Los datos eléctricos de estos Modelos ATEX pueden verse modificados.

MANUFACTURING FEATURES

- Square plate made of inox steel AISI 304.
- Variable pitch angle PAGAS impeller.
- Supplied with galvanized motor support and protection guard according to the ROHS 2002/95/EC Directive (Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipments).
- ATEX standard asynchronous motor. ATEX certified: II2G Ex-d, Ex-e / II3GD Ex-nA. Standard voltages 230V 50Hz for single phase motors and 230/400V 50Hz for three phase motors. IP55 protection.

APPLICATIONS

Designed for wall assembly, they are suitable for:

- Air renewal in buildings and industries.
- Smoke extraction (max. 45-50°C).
- Maximum working temperature: 50°C.

UNDER REQUEST

- ATEX classification for other areas.
- 60Hz fans and special voltages.
- Stainless protection grid.

CARACTERÍSTICAS CONSTRUCTIVAS

- Marco soporte en acero inoxidable AISI 304.
- Hélice de PAGAS de ángulo variable en paro y en origen.
- Rejilla soporte motor zincada y de protección contra contactos según norma UNE-EN 20-359-74. En cumplimiento a la directiva ROHS 2002/95/EC (Restricción de sustancias peligrosas en equipos eléctricos y electrónicos).
- Motor asíncrono normalizado. Certificado ATEX: II2G Ex-d, Ex-e / II3GD Ex-nA. Voltajes estándar 230V 50Hz para monofásicos y 230/400V 50Hz para motores trifásicos. Protección IP55.

APLICACIONES

Diseñados para montaje en pared, son indicados para:

- Renovación de aire en todo tipo de edificios e industrias.
- Extracción de humos (máximo 45-50°C).
- Temperatura máxima de trabajo en continuo: 50°C.

BAJO DEMANDA

- Clasificación ATEX para otras zonas.
- Ventiladores para 60Hz o voltajes especiales.
- Rejilla de protección inoxidable.

ACCESSORIES | ACCESORIOS



SFC pg.433

Speed controller for single phase motors. Regulador de velocidad monofásico.



INT ATEX pg.434

Switch for ATEX environments. Interruptor para funcionar en entornos ATEX.



RPO pg.396

Outlet protection guard. Rejilla de protección.



PCP pg.402

Gravity shutter. Persianas de sobrepresión.



PC2 pg.402

Overpressure damper for facade. Rejilla de sobrepresión antirretorno.

SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | R.P.M. | Rated I (A) 230V | Rated Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € Ex-d |
|-------------|--------------------|--------|------------------|----------------|---------------|---------------|-----------|---------------|
| Código | Modelo | R.P.M. | I nom. (A) 230V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € Ex-d |
| 268263103XD | HJBMX 25 M4 0,09kW | 1390 | 0,98 | 0,09 | 1.440 | 42 | 4 | 1.354,80 |
| 268313103XD | HJBMX 30 M4 0,09kW | 1390 | 0,98 | 0,09 | 2.440 | 46 | 5 | 1.364,30 |
| 268363103XD | HJBMX 35 M4 0,18kW | 1390 | 1,75 | 0,18 | 3.510 | 47 | 6,5 | 1.369,30 |
| 268403103XD | HJBMX 40 M4 0,18kW | 1390 | 1,75 | 0,18 | 5.270 | 52 | 9 | 1.669,90 |

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | R.P.M. | Rated I (A) 400V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € Ex-d |
|-------------|--------------------|--------|------------------|---------------|---------------|---------------|-----------|---------------|
| Código | Modelo | R.P.M. | I nom. (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € Ex-d |
| 268263106XD | HJBMX 25 T4 0,12kW | 1412 | 0,65 | 0,12 | 1.440 | 42 | 4 | 904,70 |
| 268313106XD | HJBMX 30 T4 0,12kW | 1412 | 0,65 | 0,12 | 2.440 | 46 | 5 | 878,10 |
| 268363106XD | HJBMX 35 T4 0,25kW | 1372 | 1 | 0,25 | 3.510 | 47 | 6,5 | 927,20 |
| 268403106XD | HJBMX 40 T4 0,25kW | 1372 | 1 | 0,25 | 5.270 | 48 | 9 | 1.060,00 |
| 268453106XD | HJBMX 45 T4 0,37kW | 1378 | 1,25 | 0,37 | 7.260 | 55 | 13 | 1.159,10 |
| 268503106XD | HJBMX 50 T4 0,75kW | 1427 | 2 | 0,75 | 9.320 | 56 | 18 | 1.332,30 |
| 268563106XD | HJBMX 56 T4 0,75kW | 1427 | 2 | 0,75 | 12.000 | 60 | 20 | 1.429,30 |
| 268413106XD | HJBMX 40 T6 0,18kW | 908 | 0,8 | 0,18 | 3.410 | 43 | 9 | 1.129,60 |
| 268463106XD | HJBMX 45 T6 0,18kW | 908 | 0,8 | 0,18 | 4.710 | 46 | 13 | 1.142,10 |
| 268513106XD | HJBMX 50 T6 0,18kW | 908 | 0,8 | 0,18 | 6.040 | 47 | 18 | 1.438,90 |
| 268573106XD | HJBMX 56 T6 0,18kW | 908 | 0,8 | 0,18 | 7.800 | 51 | 20 | 1.492,10 |

HBX

**ATEX wall plate axial
Helicoidal mural ATEX**



MANUFACTURING FEATURES

- Plate axial fan, circular reinforced frame.
- Motor-impeller assembly through a modular system.
- Cast aluminium impeller.
- Protected against corrosion by powder coating of epoxy-polyester resin.
- ATEX standard asynchronous motor. ATEX certified: II2G Ex-d, Ex-e / II3GD Ex-nA. Standard voltages 230/400V 50Hz for three phase motors up to 4kW and 400/690V 50Hz. IP55 protection.

APPLICATIONS

- Designed for wall or duct installation, they are suitable for:
- Maximum continuous working temperature: 50°C.

UNDER REQUEST

- B form impeller (air flow from impeller to motor). 5% additional cost.
- 100% reversible impeller. 5% additional cost.

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador helicoidal de marco redondo reforzado con nervio intermedio.
- Montaje modular del conjunto motor hélice que permite una total versatilidad en caso de cualquier cambio.
- Hélice en fundición de aluminio.
- Protegidos contra la corrosión mediante recubrimiento en polvo de resina epoxy-poliéster.
- Motor asíncrono normalizado. Certificación ATEX: II2G Ex-d, Ex-e / II3GD Ex-nA. Voltajes estándar 230/400V para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores. Protección IP55.

APLICACIONES

- Diseñados para montaje en pared o en conducto, son indicados para:
- Temperatura máxima de trabajo en continuo: 50°C.

BAJO DEMANDA

- Hélice impelente (sentido de aire hélice motor). Añadir 5% en el PVP.
- Hélice reversible 100%. Añadir 5% en el PVP.

ATEX OPTIONS UNDER REQUEST | OPCIONES ATEX BAJO DEMANDA

Three-phase MOTOR explosion-proof under the ATEX 2014/34/EU Directive for working temperatures from -20°C to +40°C.
MOTORES trifásicos antiexplosivos bajo Directiva ATEX 2014/34/UE para temperaturas de trabajo de -20°C a +40°C.

- ATEX Explosion-proof for GAS | ATEX Antideflagrantes para GAS
- ⓍII2G Ex-d IIB T4 IP66
- ⓍII2G Ex-d IIC T4 IP66 (OPTIONAL PTC PROBE | SONDA PTC OPCIONAL)
- ⓍII2G Ex-d IIC T5 IP66
- ATEX Increased security for GAS | ATEX Seguridad aumentada para GAS:
- ⓍII2G Ex-e T3 IP55
- ATEX Protection "n" for GAS | ATEX Protección "n" para GAS:
- ⓍII3G Ex-nA IIC T4 Gc
- ATEX Protection "n" for GAS and NON-CONDUCTIVE DUST | ATEX Protección "n" para GAS y POLVO NO CONDUCTOR:
- ⓍII3GD Ex-nA IIC T4 Gc Ex-tc IIB T125° IP55 ZONA 22
- ATEX Explosion-proof for GAS and DUST | ATEX Antideflagrantes para GAS y POLVO:
- ⓍII2GD Ex-d IIC T4 IP66
- ⓍII2GD Ex-d IIC T5 IP66
- ATEX Increased security for DUST | ATEX Seguridad aumentada para POLVO:
- ⓍII3D Ex-e Dc
- ATEX Protection by enclosure for DRIVER DUST | ATEX Protección por recinto para POLVO CONDUCTOR:
- ⓍII3D Ex-tc IIC T125° Dc IP55 ZONA 22

To carry out the selection of an ATEX fan, please use the curves that you will find in the Fanware by Casals selection software. The electrical data of these ATEX models can be modified.
Para llevar a cabo la selección de un ventilador ATEX, por favor use las curvas que encontrará en el programa de selección Fanware by Casals. Los datos eléctricos de estos Modelos ATEX pueden verse modificados.

ACCESSORIES | ACCESORIOS



INT ATEX pg.434

Switch for ATEX environments.
Interruptor para funcionar en entornos ATEX.



PCP pg.402

Gravity shutter.
Persiana de sobrepresión.



MC HB pg.415

Square mounting frame for HB fans.
Marco soporte cuadrado para ventiladores HB.



AC pg.411

Connexion flange.
Brida de conexión.



SFC pg.433

Speed controller for single phase motors.
Regulador de velocidad monofásico.



JE 45 pg.416

Flexible joint.
Junta elástica.



RP1 pg.397

Inlet protection guard.
Rejilla de protección.



PC2 pg.402

Overpressure damper for facade.
Rejilla de sobrepresión antirretorno para fachada.



RPO pg.396

Outlet protection guard.
Rejilla de protección.



BA-400 pg.416

Anti-vibrating flange 400º/2h. flexible.
Brida antivibratoria 400º/2h.



BAD pg.416

Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.

HBX | Eex-nA

THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | |
|-------------------|-----------------------|--------|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| HBX 45 T4 (A0:6) | 565,00 | | | | | | | | | | | | |
| HBX 45 T4 (A5:6) | 698,00 | 713,00 | 767,90 | | | | | | | | | | |
| HBX 50 T4 (A0:6) | | 665,70 | | | | | | | | | | | |
| HBX 50 T4 (A5:6) | 783,70 | 798,70 | 853,60 | 878,60 | | | | | | | | | |
| HBX 56 T4 (A5:6) | | 849,00 | 904,00 | 928,90 | 988,80 | 1.043,80 | 1.198,60 | | | | | | |
| HBX 63 T4 (A5:6) | | 927,70 | 982,60 | 1.007,60 | 1.067,50 | 1.122,50 | 1.277,30 | 1.327,30 | | | | | |
| HBX 71 T4 (A5:6) | | | | 1.086,80 | 1.146,70 | 1.201,60 | 1.356,50 | 1.406,50 | 1.526,30 | | | | |
| HBX 80 T4 (A5:6) | | | | | 1.256,70 | 1.311,70 | 1.466,50 | 1.516,50 | 1.636,30 | | | | |
| HBX 90 T4 (A6:6) | | | | | | | | 2.390,90 | 2.510,70 | 2.755,50 | 2.905,20 | 3.634,30 | 3.835,00 |
| HBX 90 T4 (A6:3) | | | | | | | | 2.161,20 | 2.281,10 | 2.525,80 | 2.675,70 | 3.404,60 | 3.605,30 |
| HBX 100 T4 (A6:6) | | | | | | | | | | 2.999,80 | 3.149,70 | 3.878,70 | 4.079,30 |
| HBX 100 T4 (A6:3) | | | | | | | | | | 2.770,30 | 2.920,00 | 3.649,10 | 3.849,80 |
| HBX 112 T4 (A6:6) | | | | | | | | | | 3.841,00 | 3.990,80 | 4.719,80 | 4.920,50 |
| HBX 112 T4 (A6:3) | | | | | | | | | | 3.611,30 | 3.761,20 | 4.490,20 | 4.690,80 |
| HBX 125 T4 (A7:8) | | | | | | | | | | | | 5.304,80 | 5.505,50 |
| HBX 125 T4 (A7:4) | | | | | | | | | | | 4.269,70 | 4.998,60 | 5.199,30 |

THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | |
|-------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--|
| | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | |
| HBX 45 T6 (A0:6) | 716,50 | | | | | | | | | | | | |
| HBX 45 T6 (A5:6) | 849,50 | | | | | | | | | | | | |
| HBX 50 T6 (A0:6) | 802,20 | | | | | | | | | | | | |
| HBX 50 T6 (A5:6) | 935,20 | | | | | | | | | | | | |
| HBX 56 T6 (A5:6) | 985,60 | 985,60 | 1.032,20 | | | | | | | | | | |
| HBX 63 T6 (A5:6) | | 1.064,30 | 1.110,90 | 1.092,50 | | | | | | | | | |
| HBX 71 T6 (A5:6) | | 1.143,50 | 1.190,10 | 1.171,70 | 1.216,60 | | | | | | | | |
| HBX 80 T6 (A5:6) | | 1.253,50 | 1.300,20 | 1.281,70 | 1.326,70 | 1.411,50 | 1.576,40 | | | | | | |
| HBX 90 T6 (A6:6) | | | | 2.156,10 | 2.201,00 | 2.285,90 | 2.450,80 | 2.630,60 | 2.720,50 | | | | |
| HBX 90 T6 (A6:3) | | | | 1.926,40 | 1.971,50 | 2.056,30 | 2.221,20 | 2.401,00 | 2.490,80 | | | | |
| HBX 100 T6 (A6:6) | | | | | 2.445,50 | 2.530,40 | 2.695,10 | 2.875,00 | 2.964,90 | 3.129,70 | 4.050,70 | | |
| HBX 100 T6 (A6:3) | | | | | 2.215,80 | 2.300,80 | 2.465,60 | 2.645,40 | 2.735,30 | 2.900,10 | 3.821,10 | | |
| HBX 112 T6 (A6:6) | | | | | | 3.371,50 | 3.536,30 | 3.716,10 | 3.806,00 | 3.970,80 | 4.891,80 | 5.054,20 | |
| HBX 112 T6 (A6:3) | | | | | | 3.141,80 | 3.306,70 | 3.486,50 | 3.576,30 | 3.741,20 | 4.662,20 | 4.824,70 | |
| HBX 125 T6 (A7:8) | | | | | | | | 4.301,10 | 4.391,00 | 4.555,90 | 5.476,80 | 5.639,20 | |
| HBX 125 T6 (A7:4) | | | | | | | 3.815,10 | 3.995,00 | 4.084,80 | 4.249,70 | 5.170,70 | 5.333,00 | |

HBX | Eex-e

THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | |
|-------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| HBX 45 T4 (A0:6) | 687,70 | | | | | | | | | | | | |
| HBX 45 T4 (A5:6) | 820,70 | 839,30 | 901,20 | | | | | | | | | | |
| HBX 50 T4 (A0:6) | | 792,00 | | | | | | | | | | | |
| HBX 50 T4 (A5:6) | 906,30 | 925,00 | 986,90 | 1.016,30 | | | | | | | | | |
| HBX 56 T4 (A5:6) | | 975,30 | 1.037,20 | 1.066,70 | 1.171,90 | 1.233,80 | 1.459,90 | | | | | | |
| HBX 63 T4 (A5:6) | | 1.053,90 | 1.115,80 | 1.145,30 | 1.250,60 | 1.312,50 | 1.538,50 | 1.600,40 | | | | | |
| HBX 71 T4 (A5:6) | | | | 1.224,50 | 1.329,80 | 1.391,70 | 1.617,70 | 1.679,60 | 1.948,90 | | | | |
| HBX 80 T4 (A5:6) | | | | | 1.439,80 | 1.501,70 | 1.727,70 | 1.789,60 | 2.058,90 | | | | |
| HBX 90 T4 (A6:6) | | | | | | | | 2.664,00 | 2.933,30 | 3.614,40 | 3.750,60 | 4.922,50 | 5.393,20 |
| HBX 90 T4 (A6:3) | | | | | | | | 2.434,30 | 2.703,70 | 3.384,90 | 3.521,10 | 4.692,90 | 5.163,50 |
| HBX 100 T4 (A6:6) | | | | | | | | | | 3.858,90 | 3.995,10 | 5.166,90 | 5.637,50 |
| HBX 100 T4 (A6:3) | | | | | | | | | | 3.629,30 | 3.765,50 | 4.937,40 | 5.408,00 |
| HBX 112 T4 (A6:6) | | | | | | | | | | 4.700,00 | 4.836,20 | 6.008,10 | 6.478,70 |
| HBX 112 T4 (A6:3) | | | | | | | | | | 4.470,40 | 4.606,60 | 5.778,40 | 6.249,00 |
| HBX 125 T4 (A7:8) | | | | | | | | | | | | 6.593,10 | 7.063,70 |
| HBX 125 T4 (A7:4) | | | | | | | | | | | 5.115,10 | 6.286,90 | 6.757,50 |

THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | |
|-------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | |
| HBX 45 T6 (A0:6) | 822,40 | | | | | | | | | | | | |
| HBX 45 T6 (A5:6) | 955,40 | | | | | | | | | | | | |
| HBX 50 T6 (A0:6) | 908,00 | | | | | | | | | | | | |
| HBX 50 T6 (A5:6) | 1.041,10 | | | | | | | | | | | | |
| HBX 56 T6 (A5:6) | 1.091,40 | 1.119,20 | 1.159,50 | | | | | | | | | | |
| HBX 63 T6 (A5:6) | | 1.197,90 | 1.238,20 | 1.318,70 | | | | | | | | | |
| HBX 71 T6 (A5:6) | | 1.277,10 | 1.317,30 | 1.397,90 | 1.492,30 | | | | | | | | |
| HBX 80 T6 (A5:6) | | 1.387,10 | 1.427,40 | 1.507,90 | 1.602,30 | 2.034,20 | 2.453,70 | | | | | | |
| HBX 90 T6 (A6:6) | | | | 2.382,30 | 2.476,70 | 2.908,60 | 3.328,00 | 4.029,40 | 4.260,00 | | | | |
| HBX 90 T6 (A6:3) | | | | 2.152,70 | 2.247,10 | 2.679,00 | 3.098,50 | 3.799,70 | 4.030,40 | | | | |
| HBX 100 T6 (A6:6) | | | | | 2.721,10 | 3.153,00 | 3.572,50 | 4.273,70 | 4.504,40 | 4.733,50 | 6.597,30 | | |
| HBX 100 T6 (A6:3) | | | | | 2.491,60 | 2.923,40 | 3.342,90 | 4.044,20 | 4.274,90 | 4.503,90 | 6.367,70 | | |
| HBX 112 T6 (A6:6) | | | | | | 3.994,10 | 4.413,70 | 5.114,90 | 5.345,60 | 5.574,60 | 7.438,40 | 7.599,40 | |
| HBX 112 T6 (A6:3) | | | | | | 3.764,50 | 4.184,00 | 4.885,20 | 5.115,90 | 5.345,10 | 7.208,80 | 7.369,80 | |
| HBX 125 T6 (A7:8) | | | | | | | | 5.699,80 | 5.930,60 | 6.159,60 | 8.023,40 | 8.184,50 | |
| HBX 125 T6 (A7:4) | | | | | | | | 4.692,50 | 5.393,70 | 5.624,40 | 5.853,40 | 7.717,30 | 7.878,30 |

HBX | Eex-d

THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | |
|-------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | |
| HBX 45 T4 (A0:6) | 904,40 | | | | | | | | | | | | | |
| HBX 45 T4 (A5:6) | 1.037,40 | 1.064,30 | 1.110,90 | | | | | | | | | | | |
| HBX 50 T4 (A0:6) | | 1.016,90 | | | | | | | | | | | | |
| HBX 50 T4 (A5:6) | 1.123,10 | 1.150,00 | 1.196,60 | 1.223,50 | | | | | | | | | | |
| HBX 56 T4 (A5:6) | | 1.200,30 | 1.247,00 | 1.273,80 | 1.350,20 | 1.487,30 | 1.852,00 | | | | | | | |
| HBX 63 T4 (A5:6) | | 1.278,90 | 1.325,60 | 1.352,40 | 1.428,80 | 1.566,00 | 1.930,70 | 2.079,10 | | | | | | |
| HBX 71 T4 (A5:6) | | | | 1.431,60 | 1.508,00 | 1.645,10 | 2.009,90 | 2.158,30 | 2.534,30 | | | | | |
| HBX 80 T4 (A5:6) | | | | | 1.618,00 | 1.755,20 | 2.119,90 | 2.268,30 | 2.644,30 | | | | | |
| HBX 90 T4 (A6:6) | | | | | | | | 3.142,70 | 3.518,70 | 4.003,60 | 4.355,30 | 5.995,40 | 6.364,00 | |
| HBX 90 T4 (A6:3) | | | | | | | | 2.913,10 | 3.289,10 | 3.774,00 | 4.125,70 | 5.765,80 | 6.134,30 | |
| HBX 100 T4 (A6:6) | | | | | | | | | | 4.248,10 | 4.599,70 | 6.239,80 | 6.608,40 | |
| HBX 100 T4 (A6:3) | | | | | | | | | | 4.018,50 | 4.370,20 | 6.010,20 | 6.378,80 | |
| HBX 112 T4 (A6:6) | | | | | | | | | | 5.089,20 | 5.440,90 | 7.081,00 | 7.449,50 | |
| HBX 112 T4 (A6:3) | | | | | | | | | | 4.859,50 | 5.211,20 | 6.851,30 | 7.219,80 | |
| HBX 125 T4 (A7:8) | | | | | | | | | | | | 7.665,90 | 8.034,50 | |
| HBX 125 T4 (A7:4) | | | | | | | | | | | | 5.719,70 | 7.359,80 | 7.728,30 |

THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | |
|-------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | |
| HBX 45 T6 (A0:6) | 969,40 | | | | | | | | | | | | |
| HBX 45 T6 (A5:6) | 1.102,40 | | | | | | | | | | | | |
| HBX 50 T6 (A0:6) | 1.055,10 | | | | | | | | | | | | |
| HBX 50 T6 (A5:6) | 1.188,10 | | | | | | | | | | | | |
| HBX 56 T6 (A5:6) | 1.238,50 | 1.273,80 | 1.300,70 | | | | | | | | | | |
| HBX 63 T6 (A5:6) | | 1.352,40 | 1.379,30 | 1.465,60 | | | | | | | | | |
| HBX 71 T6 (A5:6) | | 1.431,60 | 1.458,50 | 1.544,70 | 1.717,30 | | | | | | | | |
| HBX 80 T6 (A5:6) | | 1.541,60 | 1.568,50 | 1.654,80 | 1.827,30 | 2.189,10 | 2.563,50 | | | | | | |
| HBX 90 T6 (A6:6) | | | | 2.529,10 | 2.701,70 | 3.063,50 | 3.437,90 | 4.237,20 | 4.343,00 | | | | |
| HBX 90 T6 (A6:3) | | | | 2.299,60 | 2.472,00 | 2.833,90 | 3.208,30 | 4.007,60 | 4.113,30 | | | | |
| HBX 100 T6 (A6:6) | | | | | 2.946,00 | 3.308,00 | 3.682,30 | 4.481,60 | 4.587,30 | 4.792,40 | 6.740,50 | | |
| HBX 100 T6 (A6:3) | | | | | 2.716,50 | 3.078,30 | 3.452,70 | 4.252,00 | 4.357,80 | 4.562,70 | 6.511,00 | | |
| HBX 112 T6 (A6:6) | | | | | | 4.149,00 | 4.523,40 | 5.322,70 | 5.428,50 | 5.633,40 | 7.581,70 | 7.830,20 | |
| HBX 112 T6 (A6:3) | | | | | | 3.919,40 | 4.293,80 | 5.093,10 | 5.198,80 | 5.403,80 | 7.352,00 | 7.600,50 | |
| HBX 125 T6 (A7:8) | | | | | | | | 5.907,70 | 6.013,50 | 6.218,50 | 8.166,70 | 8.415,20 | |
| HBX 125 T6 (A7:4) | | | | | | | | 4.802,30 | 5.601,50 | 5.707,30 | 5.912,30 | 7.860,50 | 8.109,00 |

BOX HBX

ATEX inline soundproof cabinet axial

Helicoidal inline ATEX en caja insonorizada



ATEX OPTIONS UNDER REQUEST | OPCIONES ATEX BAJO DEMANDA

Three-phase MOTOR explosion-proof under the ATEX 2014/34/EU Directive for working temperatures from -20°C to +40°C.
MOTORES trifásicos antiexplosivos bajo Directiva ATEX 2014/34/UE para temperaturas de trabajo de -20°C a +40°C.

- ATEX Explosion-proof for GAS | ATEX Antidiflagrantes para GAS
⊗II2G Ex-d IIB T4 IP66
- ⊗II2G Ex-d IIC T4 IP66 (OPTIONAL PTC PROBE | Sonda PTC OPCIONAL)
- ⊗II2G Ex-d IIC T5 IP66
- ATEX Increased security for GAS | ATEX Seguridad aumentada para GAS:
⊗II2G Ex-e T3 IP55
- ATEX Protection "n" for GAS | ATEX Protección "n" para GAS:
⊗II3G Ex-nA IIC T4 Gc
- ATEX Protection "n" for GAS and NON-CONDUCTIVE DUST | ATEX Protección "n" para GAS y POLVO NO CONDUCTOR:
⊗II3GD Ex-nA IIC T4 Gc Ex-tc IIB T125° IP55 ZONA 22
- ATEX Explosion-proof for GAS and DUST | ATEX Antidiflagrantes para GAS y POLVO:
⊗II2GD Ex-d IIC T4 IP66
- ⊗II2GD Ex-d IIC T5 IP66
- ATEX Increased security for DUST | ATEX Seguridad aumentada para POLVO:
⊗II3D Ex-e Dc
- ATEX Protection by enclosure for DRIVER DUST | ATEX Protección por recinto para POLVO CONDUCTOR:
⊗II3D Ex-tc IIC T125° Dc IP55 ZONA 22

To carry out the selection of an ATEX fan, please use the curves that you will find in the Fanware by Casals selection software. The electrical data of these ATEX models can be modified.
Para llevar a cabo la selección de un ventilador ATEX, por favor use las curvas que encontrará en el programa de selección Fanware by Casals. Los datos eléctricos de estos Modelos ATEX pueden verse modificados.

MANUFACTURING FEATURES

- BOX: Galvanised steel soundproof cabinets with thermo-acoustic insulation, Bs1d0 fire class. Easy motor access and fan maintenance through removable panels.
- HBX: internal axial fan, circular reinforced frame. Modular motor-impeller assembly. Polyamide impeller with variable pitch angle reinforced with fibreglass. Sparkproof aluminium hoop. Epoxy powder finishing coat. Motor-impeller assembly through modular system. Variable pitch angle polyamide impeller reinforced with fibreglass. Epoxy powder finishing coat.
- Asynchronous squirrel cage standard motor, IP-55 protection and rated class F insulation. ATEX certified: II2G Ex-d, Ex-e / II3GD Ex-nA. Standard voltages 230V 50Hz for single phase motors, 230/400V 50Hz for three phase motors up to 4kW and 400/690V 50Hz for higher powers.

APPLICATIONS

Designed for wall or duct installation, they are suitable for:

- Air renewal in buildings and industries.
- Smoke extraction (max. 45-50°C).
- Maximum continuous working temperature: 50°C.

UNDER REQUEST

- B-form impeller (air from impeller to motor). 5% additional cost.
- 100% reversible impeller. 5% additional cost.
- ATEX classification for other areas.

CARACTERÍSTICAS CONSTRUCTIVAS

- BOX: Caja construida en chapa de acero galvanizado aislada con aislamiento térmico y acústico con clasificación al fuego Bs1d0. Paneles laterales desmontables para facilitar el acceso al motor y el mantenimiento.
- HBX: Ventilador interior helicoidal de marco redondo reforzado con nervio intermedio y con aro de aluminio antichispas. Montaje modular del conjunto motor hélice que permite una total versatilidad en caso de cualquier cambio. Hélice de aluminio con ángulo variable en origen. Envolvente con aro de aluminio antichispas. Protegidos contra la corrosión mediante recubrimiento en polvo de resina epoxy-poliéster.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Certificación ATEX: II2G Ex-d, Ex-e / II3GD Ex-nA. Voltajes estándar 230V 50Hz para motores monofásicos, 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.

APLICACIONES

Diseñados para montaje en pared o en conducto, son indicados para:

- Renovación de aire en todo tipo de edificios e industrias.
- Extracción de humos (máximo 45-50°C).
- Temperatura máxima de trabajo en continuo: 50°C

BAJO DEMANDA

- Hélice impelente (sentido de aire hélice-motor). Incremento 5% sobre PVP.
- Hélice reversible 100%. Incremento 5% sobre PVP.
- Clasificación ATEX para otras zonas.

ACCESSORIES | ACCESORIOS



INT ATEX pg.434

Switch for ATEX environments.
Interruptor para funcionar en entornos ATEX.



SFC pg.433

Speed controller for single phase motors.
Regulador de velocidad monofásico.



RPO pg.396

Outlet protection guard.
Rejilla de protección.



PCP pg.402

Gravity shutter.
Persiana de sobrepresión.



JE 45 pg.416

Flexible joint.
Junta elástica.



BA-400 pg.416

Anti-vibrating flange 400%/2h. flexible.
Brida antivibratoria 400%/2h.



MC HB pg.415

Square mounting frame for HB fans.
Marco soporte cuadrado para ventiladores HB.



RP1 pg.397

Inlet protection guard.
Rejilla de protección.



BAD pg.416

Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



PC2 pg.402

Overpressure damper for facade.
Rejilla de sobrepresión antirretorno para fachada.



AC pg.411

Connexion flange.
Brida de conexión.

BOX HBX | Eex-nA

THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | |
|-----------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | |
| BOX HBX 45 T4 (A0:6) | 879,80 | | | | | | | | | | | | | |
| BOX HBX 45 T4 (A5:6) | 1.012,70 | 1.027,80 | 1.082,70 | | | | | | | | | | | |
| BOX HBX 50 T4 (A0:6) | | 937,60 | | | | | | | | | | | | |
| BOX HBX 50 T4 (A5:6) | 1.055,60 | 1.070,60 | 1.125,60 | 1.150,50 | | | | | | | | | | |
| BOX HBX 56 T4 (A5:6) | | 1.244,30 | 1.299,20 | 1.324,20 | 1.384,20 | 1.439,10 | 1.593,90 | | | | | | | |
| BOX HBX 63 T4 (A5:6) | | 1.283,70 | 1.338,60 | 1.363,60 | 1.423,50 | 1.478,50 | 1.633,30 | 1.683,20 | | | | | | |
| BOX HBX 71 T4 (A5:6) | | | | 1.602,70 | 1.662,60 | 1.717,60 | 1.872,40 | 1.922,40 | 2.042,30 | | | | | |
| BOX HBX 80 T4 (A5:6) | | | | | 1.717,60 | 1.772,50 | 1.927,40 | 1.977,40 | 2.097,20 | | | | | |
| BOX HBX 90 T4 (A6:6) | | | | | | | | 3.170,80 | 3.290,80 | 3.535,50 | 3.685,30 | 4.414,30 | 4.615,00 | |
| BOX HBX 90 T4 (A6:3) | | | | | | | | 2.941,30 | 3.061,10 | 3.305,90 | 3.455,70 | 4.184,70 | 4.385,40 | |
| BOX HBX 100 T4 (A6:6) | | | | | | | | | | 3.668,90 | 3.818,70 | 4.547,70 | 4.748,40 | |
| BOX HBX 100 T4 (A6:3) | | | | | | | | | | 3.439,30 | 3.589,20 | 4.318,10 | 4.518,80 | |
| BOX HBX 112 T4 (A6:6) | | | | | | | | | | 5.084,70 | 5.234,60 | 5.963,60 | 6.164,30 | |
| BOX HBX 112 T4 (A6:3) | | | | | | | | | | 4.855,10 | 5.004,90 | 5.734,00 | 5.934,60 | |
| BOX HBX 125 T4 (A7:8) | | | | | | | | | | | | 6.473,10 | 6.673,70 | |
| BOX HBX 125 T4 (A7:4) | | | | | | | | | | | | 5.437,90 | 6.166,90 | 6.367,50 |

BOX HBX | Eex-nA

THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | |
|-----------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | |
| BOX HBX 45 T6 (A0:6) | 1.031,40 | | | | | | | | | | | | |
| BOX HBX 45 T6 (A5:6) | 1.164,40 | | | | | | | | | | | | |
| BOX HBX 50 T6 (A0:6) | 1.074,20 | | | | | | | | | | | | |
| BOX HBX 50 T6 (A5:6) | 1.207,20 | | | | | | | | | | | | |
| BOX HBX 56 T6 (A5:6) | 1.380,90 | 1.380,90 | 1.427,60 | | | | | | | | | | |
| BOX HBX 63 T6 (A5:6) | | 1.420,20 | 1.466,90 | 1.448,50 | | | | | | | | | |
| BOX HBX 71 T6 (A5:6) | | 1.659,40 | 1.706,10 | 1.687,70 | 1.732,60 | | | | | | | | |
| BOX HBX 80 T6 (A5:6) | | 1.714,40 | 1.760,90 | 1.742,60 | 1.787,50 | 1.872,40 | 2.037,30 | | | | | | |
| BOX HBX 90 T6 (A6:6) | | | | 2.936,10 | 2.981,10 | 3.066,00 | 3.230,80 | 3.410,60 | 3.500,50 | | | | |
| BOX HBX 90 T6 (A6:3) | | | | 2.706,50 | 2.751,40 | 2.836,40 | 3.001,20 | 3.181,00 | 3.270,90 | | | | |
| BOX HBX 100 T6 (A6:6) | | | | | 3.114,50 | 3.199,40 | 3.364,30 | 3.544,00 | 3.633,90 | 3.798,80 | 4.719,70 | | |
| BOX HBX 100 T6 (A6:3) | | | | | 2.884,90 | 2.969,80 | 3.134,60 | 3.314,40 | 3.404,30 | 3.569,20 | 4.490,10 | | |
| BOX HBX 112 T6 (A6:6) | | | | | | 4.615,30 | 4.780,00 | 4.959,80 | 5.049,80 | 5.214,60 | 6.135,60 | 6.298,00 | |
| BOX HBX 112 T6 (A6:3) | | | | | | 4.385,60 | 4.550,50 | 4.730,30 | 4.820,20 | 4.985,00 | 5.905,90 | 6.068,40 | |
| BOX HBX 125 T6 (A7:8) | | | | | | | | | 5.469,40 | 5.559,20 | 5.724,10 | 6.645,00 | 6.807,50 |
| BOX HBX 125 T6 (A7:4) | | | | | | | 4.983,40 | 5.163,20 | 5.253,10 | 5.417,90 | 6.338,90 | 6.501,40 | |

BOX HBX | Eex-e

THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | |
|-----------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | |
| BOX HBX 45 T4 (A0:6) | 1.002,50 | | | | | | | | | | | | | |
| BOX HBX 45 T4 (A5:6) | 1.135,50 | 1.154,00 | 1.215,90 | | | | | | | | | | | |
| BOX HBX 50 T4 (A0:6) | | 1.063,90 | | | | | | | | | | | | |
| BOX HBX 50 T4 (A5:6) | 1.178,30 | 1.196,90 | 1.258,80 | 1.288,30 | | | | | | | | | | |
| BOX HBX 56 T4 (A5:6) | | 1.370,70 | 1.432,50 | 1.461,90 | 1.567,20 | 1.629,10 | 1.855,10 | | | | | | | |
| BOX HBX 63 T4 (A5:6) | | 1.410,00 | 1.471,90 | 1.501,30 | 1.606,50 | 1.668,40 | 1.894,50 | 1.956,40 | | | | | | |
| BOX HBX 71 T4 (A5:6) | | | | 1.740,50 | 1.845,70 | 1.907,60 | 2.133,70 | 2.195,50 | 2.464,90 | | | | | |
| BOX HBX 80 T4 (A5:6) | | | | | 1.900,70 | 1.962,60 | 2.188,60 | 2.250,50 | 2.519,80 | | | | | |
| BOX HBX 90 T4 (A6:6) | | | | | | | | 3.444,00 | 3.713,40 | 4.394,50 | 4.530,70 | 5.702,50 | 6.173,20 | |
| BOX HBX 90 T4 (A6:3) | | | | | | | | 3.214,40 | 3.483,80 | 4.164,90 | 4.301,10 | 5.473,00 | 5.943,60 | |
| BOX HBX 100 T4 (A6:6) | | | | | | | | | | 4.527,90 | 4.664,10 | 5.836,00 | 6.306,60 | |
| BOX HBX 100 T4 (A6:3) | | | | | | | | | | 4.298,40 | 4.434,60 | 5.606,40 | 6.077,00 | |
| BOX HBX 112 T4 (A6:6) | | | | | | | | | | 5.943,80 | 6.080,00 | 7.251,80 | 7.722,40 | |
| BOX HBX 112 T4 (A6:3) | | | | | | | | | | 5.714,10 | 5.850,30 | 7.022,20 | 7.492,80 | |
| BOX HBX 125 T4 (A7:8) | | | | | | | | | | | | 7.761,30 | 8.231,90 | |
| BOX HBX 125 T4 (A7:4) | | | | | | | | | | | | 6.283,30 | 7.455,10 | 7.925,70 |

THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | |
|-----------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--|
| | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | |
| BOX HBX 45 T6 (A0:6) | 1.137,20 | | | | | | | | | | | | |
| BOX HBX 45 T6 (A5:6) | 1.270,20 | | | | | | | | | | | | |
| BOX HBX 50 T6 (A0:6) | 1.180,00 | | | | | | | | | | | | |
| BOX HBX 50 T6 (A5:6) | 1.313,00 | | | | | | | | | | | | |
| BOX HBX 56 T6 (A5:6) | 1.486,70 | 1.514,50 | 1.554,80 | | | | | | | | | | |
| BOX HBX 63 T6 (A5:6) | | 1.553,80 | 1.594,10 | 1.674,60 | | | | | | | | | |
| BOX HBX 71 T6 (A5:6) | | 1.793,00 | 1.833,30 | 1.913,80 | 2.008,20 | | | | | | | | |
| BOX HBX 80 T6 (A5:6) | | 1.848,00 | 1.888,30 | 1.968,80 | 2.063,20 | 2.495,10 | 2.914,60 | | | | | | |
| BOX HBX 90 T6 (A6:6) | | | | 3.162,30 | 3.256,70 | 3.688,60 | 4.108,10 | 4.809,30 | 5.040,00 | | | | |
| BOX HBX 90 T6 (A6:3) | | | | 2.932,70 | 3.027,20 | 3.459,00 | 3.878,60 | 4.579,80 | 4.810,50 | | | | |
| BOX HBX 100 T6 (A6:6) | | | | | 3.390,10 | 3.822,00 | 4.241,50 | 4.942,70 | 5.173,40 | 5.402,60 | 7.266,30 | | |
| BOX HBX 100 T6 (A6:3) | | | | | 3.160,60 | 3.592,40 | 4.012,00 | 4.713,20 | 4.943,90 | 5.172,90 | 7.036,80 | | |
| BOX HBX 112 T6 (A6:6) | | | | | | 5.237,80 | 5.657,40 | 6.358,60 | 6.589,30 | 6.818,40 | 8.682,20 | 8.843,10 | |
| BOX HBX 112 T6 (A6:3) | | | | | | 5.008,30 | 5.427,70 | 6.129,00 | 6.359,70 | 6.588,80 | 8.452,50 | 8.613,60 | |
| BOX HBX 125 T6 (A7:8) | | | | | | | | 6.868,10 | 7.098,80 | 7.327,90 | 9.191,60 | 9.352,70 | |
| BOX HBX 125 T6 (A7:4) | | | | | | | 5.860,70 | 6.562,00 | 6.792,60 | 7.021,80 | 8.885,50 | 9.046,50 | |

BOX HBX | Eex-d

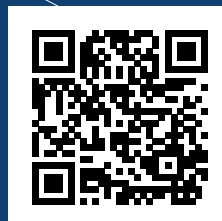
THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | |
|-----------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| BOX HBX 45 T4 (A0:6) | 1.219,20 | | | | | | | | | | | | |
| BOX HBX 45 T4 (A5:6) | 1.352,20 | 1.379,00 | 1.425,70 | | | | | | | | | | |
| BOX HBX 50 T4 (A0:6) | | 1.288,90 | | | | | | | | | | | |
| BOX HBX 50 T4 (A5:6) | 1.395,10 | 1.421,90 | 1.468,60 | 1.495,40 | | | | | | | | | |
| BOX HBX 56 T4 (A5:6) | | | 1.642,20 | 1.669,10 | 1.745,40 | 1.882,60 | 2.247,30 | | | | | | |
| BOX HBX 63 T4 (A5:6) | | 1.595,60 | 1.681,60 | 1.708,50 | 1.784,80 | 1.921,90 | 2.286,60 | 2.435,00 | | | | | |
| BOX HBX 71 T4 (A5:6) | | | | 1.947,60 | 2.023,90 | 2.161,10 | 2.525,80 | 2.674,20 | 3.050,20 | | | | |
| BOX HBX 80 T4 (A5:6) | | | | | 2.078,90 | 2.216,00 | 2.580,80 | 2.729,20 | 3.105,20 | | | | |
| BOX HBX 90 T4 (A6:6) | | | | | | | | 3.922,80 | 4.298,80 | 4.783,70 | 5.135,40 | 6.775,40 | 7.144,00 |
| BOX HBX 90 T4 (A6:3) | | | | | | | | 3.693,10 | 4.069,20 | 4.554,10 | 4.905,80 | 6.545,90 | 6.914,40 |
| BOX HBX 100 T4 (A6:6) | | | | | | | | | | 4.917,10 | 5.268,80 | 6.908,80 | 7.277,40 |
| BOX HBX 100 T4 (A6:3) | | | | | | | | | | 4.687,50 | 5.039,20 | 6.679,30 | 7.047,80 |
| BOX HBX 112 T4 (A6:6) | | | | | | | | | | 6.333,00 | 6.684,70 | 8.324,70 | 8.693,30 |
| BOX HBX 112 T4 (A6:3) | | | | | | | | | | 6.103,30 | 6.455,00 | 8.095,00 | 8.463,60 |
| BOX HBX 125 T4 (A7:8) | | | | | | | | | | | | 8.834,10 | 9.202,70 |
| BOX HBX 125 T4 (A7:4) | | | | | | | | | | | 6.887,90 | 8.528,00 | 8.896,50 |

THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | |
|-----------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | |
| BOX HBX 45 T6 (A0:6) | 1.284,20 | | | | | | | | | | | | |
| BOX HBX 45 T6 (A5:6) | 1.417,20 | | | | | | | | | | | | |
| BOX HBX 50 T6 (A0:6) | 1.327,10 | | | | | | | | | | | | |
| BOX HBX 50 T6 (A5:6) | 1.460,10 | | | | | | | | | | | | |
| BOX HBX 56 T6 (A5:6) | 1.633,70 | 1.669,10 | 1.696,00 | | | | | | | | | | |
| BOX HBX 63 T6 (A5:6) | | 1.708,50 | 1.735,30 | 1.821,50 | | | | | | | | | |
| BOX HBX 71 T6 (A5:6) | | 1.947,60 | 1.974,50 | 2.060,70 | 2.233,20 | | | | | | | | |
| BOX HBX 80 T6 (A5:6) | | 2.002,50 | 2.029,40 | 2.115,60 | 2.288,10 | 2.650,00 | 3.024,40 | | | | | | |
| BOX HBX 90 T6 (A6:6) | | | | 3.309,20 | 3.481,60 | 3.843,60 | 4.217,90 | 5.017,20 | 5.122,90 | | | | |
| BOX HBX 90 T6 (A6:3) | | | | 3.079,50 | 3.252,10 | 3.613,90 | 3.988,30 | 4.787,60 | 4.893,40 | | | | |
| BOX HBX 100 T6 (A6:6) | | | | | 3.615,00 | 3.977,00 | 4.351,30 | 5.150,70 | 5.256,40 | 5.461,40 | 7.409,60 | | |
| BOX HBX 100 T6 (A6:3) | | | | | 3.385,50 | 3.747,40 | 4.121,70 | 4.921,00 | 5.026,80 | 5.231,70 | 7.180,00 | | |
| BOX HBX 112 T6 (A6:6) | | | | | | 5.392,80 | 5.767,10 | 6.566,50 | 6.672,20 | 6.877,20 | 8.825,40 | 9.073,90 | |
| BOX HBX 112 T6 (A6:3) | | | | | | 5.163,20 | 5.537,60 | 6.336,90 | 6.442,60 | 6.647,60 | 8.595,80 | 8.844,30 | |
| BOX HBX 125 T6 (A7:8) | | | | | | | | 7.076,00 | 7.181,70 | 7.386,70 | 9.334,90 | 9.583,40 | |
| BOX HBX 125 T6 (A7:4) | | | | | | | | 5.970,50 | 6.769,80 | 6.875,50 | 7.080,50 | 9.028,70 | 9.277,20 |

casals.com/fanware



HGX

**ATEX short cased axial
Helicoidal tubular camisa corta ATEX**



MANUFACTURING FEATURES

- Reinforced fan short casing manufactured in rolling steel sheet.
- Motor-impeller modular assembly for complete versatility.
- Protected against corrosion by powder coating of epoxy-polyester resin.
- Cast aluminium impeller with variable pitch angle (stopped and in origin).
- ATEX standard asynchronous motor. ATEX certified: II2G Ex-d, Ex-e / II3GD Ex-nA. Standard voltages 230/400V 50Hz for three phase motors up to 4kW and 400/690V 50Hz for higher powers. IP55 protection.

APPLICATIONS

Designed for wall or duct installation, they are suitable for:

- Air renewal in buildings and industries.
- Smoke extraction (max. 45-50°C).
- Maximum continuous working temperature: 50°C.

UNDER REQUEST

- B form impeller (air flow from impeller to motor). 5% additional cost.
- 100% reversible impeller. 5% additional cost.
- ATEX classification for other areas.

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador con envoltorio tubular reforzado de camisa corta fabricada en chapa de acero laminado.
- Montaje modular del conjunto motor hélice que permite una total versatilidad en caso de cualquier cambio.
- Protegidos contra la corrosión mediante recubrimiento en polvo de resina epoxy-poliéster.
- Hélice en fundición de aluminio de ángulo variable en paro y en origen.
- Motor asíncrono normalizado ATEX. Certificación ATEX: II2G Ex-d, Ex-e / II3GD Ex-nA. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores. Protección IP55.

APLICACIONES

Diseñados para montaje en pared o en conducto, son indicados para:

- Renovación de aire en todo tipo de edificios e industrias.
- Extracción de humos (máximo 45-50°C).
- Temperatura máxima de trabajo en continuo: 50°C.

BAJO DEMANDA

- Hélice impelente (sentido de aire hélice-motor). Incremento 5% sobre PVP.
- Hélice reversible 100%. Incremento 5% sobre PVP.
- Clasificación ATEX para otras zonas.

ATEX OPTIONS UNDER REQUEST | OPCIONES ATEX BAJO DEMANDA

Three-phase MOTOR explosion-proof under the ATEX 2014/34/EU Directive for working temperatures from -20°C to +40°C.
MOTORES trifásicos antiexplosivos bajo Directiva ATEX 2014/34/UE para temperaturas de trabajo de -20°C a +40°C.

- ATEX Explosion-proof for GAS | ATEX Antidiflagrantes para GAS
- ExII2G Ex-d IIB T4 IP66
- ExII2G Ex-d IIC T4 IP66 (OPTIONAL PTC PROBE | Sonda PTC OPCIONAL)
- ExII2G Ex-d IIC T5 IP66
- ATEX Increased security for GAS | ATEX Seguridad aumentada para GAS:
- ExII2G Ex-e T3 IP55
- ATEX Protection "n" for GAS | ATEX Protección "n" para GAS:
- ExII3G Ex-nA IIC T4 Gc
- ATEX Protection "n" for GAS and NON-CONDUCTIVE DUST | ATEX Protección "n" para GAS y POLVO NO CONDUCTOR:
- ExII3GD Ex-nA IIC T4 Gc Ex-ic IIB T125° IP55 ZONA 22
- ATEX Explosion-proof for GAS and DUST | ATEX Antidiflagrantes para GAS y POLVO:
- ExII2GD Ex-d IIC T4 IP66
- ExII2GD Ex-d IIC T5 IP66
- ATEX Increased security for DUST | ATEX Seguridad aumentada para POLVO:
- ExII3D Ex-e Dc
- ATEX Protection by enclosure for DRIVER DUST | ATEX Protección por recinto para POLVO CONDUCTOR:
- ExII3D Ex-ic IIC T125° Dc IP55 ZONA 22

To carry out the selection of an ATEX fan, please use the curves that you will find in the Fanware by Casals selection software. The electrical data of these ATEX models can be modified.
Para llevar a cabo la selección de un ventilador ATEX, por favor use las curvas que encontrará en el programa de selección Fanware by Casals. Los datos eléctricos de estos Modelos ATEX pueden verse modificados.

ACCESSORIES | ACCESORIOS



INT ATEX pg.434

Switch for ATEX environments.
Interruptor para funcionar en entornos ATEX.



SFC pg.433

Speed controller for single phase motors.
Regulador de velocidad monofásico.



RP pg.396

Protection guard.
Rejilla de protección.



AC pg.411

Connexion flange.
Brida de conexión.



JE 45 pg.416

Flexible joint.
Junta elástica.



BA-400 pg.416

Anti-vibrating flange 400º/2h. flexible.
Brida antivibratoria 400º/2h.



PO pg.408

Long cased axial fans mounting support.
Pie soporte para ventiladores tubulares.



RP1 pg.397

Inlet protection guard.
Rejilla de protección.



BAD pg.416

Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



SIL-C pg.426

Circular silencer.
Silenciador circular.

HCX | Eex-nA

THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | |
|-------------------|-----------------------|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| HCX 45 T4 (A0:6) | 584,20 | | | | | | | | | | | | |
| HCX 45 T4 (A5:6) | 717,20 | 732,20 | 787,10 | | | | | | | | | | |
| HCX 50 T4 (A0:6) | | 694,40 | | | | | | | | | | | |
| HCX 50 T4 (A5:6) | 812,40 | 827,40 | 882,30 | 907,30 | | | | | | | | | |
| HCX 56 T4 (A5:6) | | 877,10 | 932,00 | 957,00 | 1.016,90 | 1.071,80 | 1.226,70 | | | | | | |
| HCX 63 T4 (A5:6) | | 955,20 | 1.010,20 | 1.035,10 | 1.095,10 | 1.150,00 | 1.304,80 | 1.354,80 | | | | | |
| HCX 71 T4 (A5:6) | | | | 1.163,40 | 1.223,40 | 1.278,30 | 1.433,20 | 1.483,20 | 1.603,00 | | | | |
| HCX 80 T4 (A5:6) | | | | | 1.326,50 | 1.381,40 | 1.536,30 | 1.586,10 | 1.706,00 | | | | |
| HCX 90 T4 (A6:6) | | | | | | | | 2.455,10 | 2.575,00 | 2.819,80 | 2.969,60 | 3.698,60 | 3.899,30 |
| HCX 90 T4 (A6:3) | | | | | | | | 2.225,60 | 2.345,40 | 2.590,20 | 2.740,00 | 3.469,00 | 3.669,60 |
| HCX 100 T4 (A6:6) | | | | | | | | | | 3.086,50 | 3.236,30 | 3.965,30 | 4.166,00 |
| HCX 100 T4 (A6:3) | | | | | | | | | | 2.856,90 | 3.006,70 | 3.735,70 | 3.936,30 |
| HCX 112 T4 (A6:6) | | | | | | | | | | 4.114,10 | 4.263,90 | 4.992,90 | 5.193,50 |
| HCX 112 T4 (A6:3) | | | | | | | | | | 3.884,50 | 4.034,30 | 4.763,30 | 4.964,00 |
| HCX 125 T4 (A7:8) | | | | | | | | | | | | 5.609,50 | 5.810,20 |
| HCX 125 T4 (A7:4) | | | | | | | | | | | 4.574,40 | 5.303,30 | 5.504,00 |

THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | |
|-------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | |
| HCX 45 T6 (A0:6) | 735,80 | | | | | | | | | | | | |
| HCX 45 T6 (A5:6) | 868,80 | | | | | | | | | | | | |
| HCX 50 T6 (A0:6) | 831,00 | | | | | | | | | | | | |
| HCX 50 T6 (A5:6) | 964,00 | | | | | | | | | | | | |
| HCX 56 T6 (A5:6) | 1.013,60 | 1.013,60 | 1.060,30 | | | | | | | | | | |
| HCX 63 T6 (A5:6) | | 1.091,80 | 1.138,50 | 1.120,10 | | | | | | | | | |
| HCX 71 T6 (A5:6) | | 1.220,20 | 1.266,70 | 1.248,40 | 1.293,30 | | | | | | | | |
| HCX 80 T6 (A5:6) | | 1.323,10 | 1.369,80 | 1.351,40 | 1.396,30 | 1.481,30 | 1.646,10 | | | | | | |
| HCX 90 T6 (A6:6) | | | | 2.220,40 | 2.265,30 | 2.350,30 | 2.515,10 | 2.694,90 | 2.784,80 | | | | |
| HCX 90 T6 (A6:3) | | | | 1.990,80 | 2.035,70 | 2.120,60 | 2.285,50 | 2.465,30 | 2.555,20 | | | | |
| HCX 100 T6 (A6:6) | | | | | 2.532,00 | 2.617,00 | 2.781,80 | 2.961,70 | 3.051,50 | 3.216,40 | 4.137,30 | | |
| HCX 100 T6 (A6:3) | | | | | 2.302,50 | 2.387,30 | 2.552,20 | 2.732,00 | 2.821,90 | 2.986,70 | 3.907,70 | | |
| HCX 112 T6 (A6:6) | | | | | | 3.644,50 | 3.809,40 | 3.989,20 | 4.079,10 | 4.243,90 | 5.165,00 | 5.327,40 | |
| HCX 112 T6 (A6:3) | | | | | | 3.415,00 | 3.579,80 | 3.759,60 | 3.849,50 | 4.014,40 | 4.935,30 | 5.097,80 | |
| HCX 125 T6 (A7:8) | | | | | | | | 4.605,80 | 4.695,70 | 4.860,60 | 5.781,50 | 5.943,90 | |
| HCX 125 T6 (A7:4) | | | | | | | | 4.119,80 | 4.299,60 | 4.389,50 | 4.554,40 | 5.475,40 | 5.637,70 |

HCX | Eex-e

THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | |
|-------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| HCX 45 T4 (A0:6) | 706,90 | | | | | | | | | | | | |
| HCX 45 T4 (A5:6) | 839,90 | 858,40 | 920,30 | | | | | | | | | | |
| HCX 50 T4 (A0:6) | | 820,70 | | | | | | | | | | | |
| HCX 50 T4 (A5:6) | 935,10 | 953,60 | 1.015,50 | 1.045,00 | | | | | | | | | |
| HCX 56 T4 (A5:6) | | 1.003,30 | 1.065,20 | 1.094,60 | 1.199,90 | 1.261,90 | 1.487,80 | | | | | | |
| HCX 63 T4 (A5:6) | | 1.081,60 | 1.143,50 | 1.172,90 | 1.278,10 | 1.340,00 | 1.566,10 | 1.628,00 | | | | | |
| HCX 71 T4 (A5:6) | | | | 1.301,20 | 1.406,50 | 1.468,40 | 1.694,40 | 1.756,30 | 2.025,60 | | | | |
| HCX 80 T4 (A5:6) | | | | | 1.509,40 | 1.571,40 | 1.797,40 | 1.859,30 | 2.128,70 | | | | |
| HCX 90 T4 (A6:6) | | | | | | | | 2.728,30 | 2.997,70 | 3.678,80 | 3.815,00 | 4.986,80 | 5.457,50 |
| HCX 90 T4 (A6:3) | | | | | | | | 2.498,70 | 2.768,00 | 3.449,10 | 3.585,30 | 4.757,20 | 5.227,80 |
| HCX 100 T4 (A6:6) | | | | | | | | | | 3.945,50 | 4.081,70 | 5.253,60 | 5.724,20 |
| HCX 100 T4 (A6:3) | | | | | | | | | | 3.715,90 | 3.852,10 | 5.023,90 | 5.494,60 |
| HCX 112 T4 (A6:6) | | | | | | | | | | 4.973,10 | 5.109,30 | 6.281,10 | 6.751,80 |
| HCX 112 T4 (A6:3) | | | | | | | | | | 4.743,50 | 4.879,70 | 6.051,50 | 6.522,20 |
| HCX 125 T4 (A7:8) | | | | | | | | | | | | 6.897,80 | 7.368,40 |
| HCX 125 T4 (A7:4) | | | | | | | | | | | 5.419,80 | 6.591,60 | 7.062,20 |

HCX | Eex-e

THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | |
|-------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--|
| | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | |
| HCX 45 T6 (A0:6) | 841,60 | | | | | | | | | | | | |
| HCX 45 T6 (A5:6) | 974,60 | | | | | | | | | | | | |
| HCX 50 T6 (A0:6) | 936,80 | | | | | | | | | | | | |
| HCX 50 T6 (A5:6) | 1.069,80 | | | | | | | | | | | | |
| HCX 56 T6 (A5:6) | 1.119,50 | 1.147,30 | 1.187,60 | | | | | | | | | | |
| HCX 63 T6 (A5:6) | 1.225,40 | 1.265,70 | 1.346,20 | | | | | | | | | | |
| HCX 71 T6 (A5:6) | 1.353,80 | 1.394,00 | 1.474,60 | 1.569,00 | | | | | | | | | |
| HCX 80 T6 (A5:6) | 1.456,90 | 1.497,10 | 1.577,70 | 1.672,00 | 2.103,90 | 2.523,40 | | | | | | | |
| HCX 90 T6 (A6:6) | | | 2.446,60 | 2.541,00 | 2.972,90 | 3.392,40 | 4.093,60 | 4.324,30 | | | | | |
| HCX 90 T6 (A6:3) | | | 2.217,00 | 2.311,40 | 2.743,30 | 3.162,80 | 3.864,10 | 4.094,70 | | | | | |
| HCX 100 T6 (A6:6) | | | | 2.807,70 | 3.239,70 | 3.659,10 | 4.360,40 | 4.591,10 | 4.820,10 | 6.683,90 | | | |
| HCX 100 T6 (A6:3) | | | | 2.578,10 | 3.010,00 | 3.429,50 | 4.130,80 | 4.361,40 | 4.590,50 | 6.454,30 | | | |
| HCX 112 T6 (A6:6) | | | | | 4.267,20 | 4.686,70 | 5.388,00 | 5.618,60 | 5.847,80 | 7.711,50 | 7.872,50 | | |
| HCX 112 T6 (A6:3) | | | | | 4.037,60 | 4.457,10 | 5.158,30 | 5.389,00 | 5.618,20 | 7.481,90 | 7.643,00 | | |
| HCX 125 T6 (A7:8) | | | | | | | 6.004,60 | 6.235,30 | 6.464,30 | 8.328,10 | 8.489,10 | | |
| HCX 125 T6 (A7:4) | | | | | | | 4.997,20 | 5.698,40 | 5.929,10 | 6.158,10 | 8.022,00 | 8.182,90 | |

HCX | Eex-d

THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | |
|-------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--|
| | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | |
| HCX 45 T4 (A0:6) | 923,60 | | | | | | | | | | | | | |
| HCX 45 T4 (A5:6) | 1.056,60 | 1.083,40 | 1.130,10 | | | | | | | | | | | |
| HCX 50 T4 (A0:6) | | 1.045,70 | | | | | | | | | | | | |
| HCX 50 T4 (A5:6) | 1.151,70 | 1.178,70 | 1.225,30 | 1.252,10 | | | | | | | | | | |
| HCX 56 T4 (A5:6) | | 1.228,30 | 1.274,90 | 1.301,80 | 1.378,20 | 1.515,20 | 1.880,00 | | | | | | | |
| HCX 63 T4 (A5:6) | | 1.306,50 | 1.353,20 | 1.380,10 | 1.456,30 | 1.593,50 | 1.958,20 | 2.106,60 | | | | | | |
| HCX 71 T4 (A5:6) | | | | 1.508,30 | 1.584,70 | 1.721,80 | 2.086,60 | 2.235,00 | 2.611,00 | | | | | |
| HCX 80 T4 (A5:6) | | | | | 1.687,70 | 1.824,80 | 2.189,50 | 2.338,10 | 2.714,10 | | | | | |
| HCX 90 T4 (A6:6) | | | | | | | | 3.207,10 | 3.583,10 | 4.068,00 | 4.419,70 | 6.059,70 | 6.428,30 | |
| HCX 90 T4 (A6:3) | | | | | | | | 2.977,40 | 3.353,40 | 3.838,30 | 4.190,00 | 5.830,10 | 6.198,60 | |
| HCX 100 T4 (A6:6) | | | | | | | | | | 4.334,70 | 4.686,40 | 6.326,40 | 6.695,00 | |
| HCX 100 T4 (A6:3) | | | | | | | | | | 4.105,00 | 4.456,70 | 6.096,90 | 6.465,40 | |
| HCX 112 T4 (A6:6) | | | | | | | | | | 5.362,20 | 5.713,90 | 7.354,10 | 7.722,70 | |
| HCX 112 T4 (A6:3) | | | | | | | | | | 5.132,70 | 5.484,40 | 7.124,40 | 7.493,00 | |
| HCX 125 T4 (A7:8) | | | | | | | | | | | | 7.970,60 | 8.339,20 | |
| HCX 125 T4 (A7:4) | | | | | | | | | | | 6.024,40 | 7.664,50 | 8.033,00 | |

THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | |
|-------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--|
| | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | |
| HCX 45 T6 (A0:6) | 988,60 | | | | | | | | | | | | |
| HCX 45 T6 (A5:6) | 1.121,60 | | | | | | | | | | | | |
| HCX 50 T6 (A0:6) | 1.083,90 | | | | | | | | | | | | |
| HCX 50 T6 (A5:6) | 1.216,80 | | | | | | | | | | | | |
| HCX 56 T6 (A5:6) | 1.266,40 | 1.301,80 | 1.328,60 | | | | | | | | | | |
| HCX 63 T6 (A5:6) | 1.380,10 | 1.406,90 | 1.493,10 | | | | | | | | | | |
| HCX 71 T6 (A5:6) | 1.508,30 | 1.535,20 | 1.621,40 | 1.793,90 | | | | | | | | | |
| HCX 80 T6 (A5:6) | 1.611,40 | 1.638,20 | 1.724,50 | 1.896,90 | 2.258,90 | 2.633,20 | | | | | | | |
| HCX 90 T6 (A6:6) | | | 2.593,50 | 2.765,90 | 3.127,90 | 3.502,20 | 4.301,50 | 4.407,20 | | | | | |
| HCX 90 T6 (A6:3) | | | 2.363,80 | 2.536,30 | 2.898,20 | 3.272,60 | 4.071,90 | 4.177,60 | | | | | |
| HCX 100 T6 (A6:6) | | | | 3.032,70 | 3.394,60 | 3.769,00 | 4.568,20 | 4.674,00 | 4.879,00 | 6.827,20 | | | |
| HCX 100 T6 (A6:3) | | | | 2.803,10 | 3.164,90 | 3.539,30 | 4.338,60 | 4.444,30 | 4.649,30 | 6.597,60 | | | |
| HCX 112 T6 (A6:6) | | | | | 4.422,10 | 4.796,50 | 5.595,80 | 5.701,50 | 5.906,50 | 7.854,80 | 8.103,30 | | |
| HCX 112 T6 (A6:3) | | | | | 4.192,60 | 4.566,90 | 5.366,20 | 5.471,90 | 5.677,00 | 7.625,20 | 7.873,70 | | |
| HCX 125 T6 (A7:8) | | | | | | | | 6.212,40 | 6.318,20 | 6.523,10 | 8.471,40 | 8.719,90 | |
| HCX 125 T6 (A7:4) | | | | | | | 5.106,90 | 5.906,20 | 6.012,00 | 6.216,90 | 8.165,20 | 8.413,70 | |

HMX

ATEX long cased axial

Helicoidal tubular ATEX



MANUFACTURING FEATURES

- Reinforced fan casing manufactured in rolling steel sheet.
- Motor-impeller modular assembly for complete versatility.
- Protected against corrosion by powder coating of epoxy-polyester resin.
- Cast aluminium impeller with variable pitch angle.
- ATEX standard asynchronous motor. ATEX certified: II2G Ex-d, Ex-e / II3GD Ex-nA. Standard voltages 230/400V 50Hz for three phase motors up to 4kW and 400/690V 50Hz for higher powers.

APPLICATIONS

Designed for wall or duct installation, they are suitable for:

- Air renewal in buildings and industries.
- Smoke extraction (max. 45-50°C).
- Maximum continuous working temperature: 50°C.

UNDER REQUEST

- B form impeller (air flow from impeller to motor). 5% additional cost.
- 100% reversible impeller. 5% additional cost.
- ATEX classification for other areas.

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador con envolvente tubular reforzada fabricada en chapa de acero laminado.
- Montaje modular del conjunto motor hélice que permite una total versatilidad en caso de cualquier cambio.
- Protegidos contra la corrosión mediante recubrimiento en polvo de resina epoxy-poliéster.
- Hélice en fundición de aluminio de ángulo variable en paro y en origen.
- Motor asíncrono normalizado ATEX, IP55. Certificación ATEX: II2G Ex-d, Ex-e / II3GD Ex-nA. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.

APLICACIONES

Diseñados para montaje en pared o en conducto, son indicados para:

- Renovación de aire en todo tipo de edificios e industrias.
- Extracción de humos (máximo 45-50°C).
- Temperatura máxima de trabajo en continuo: 50°C.

BAJO DEMANDA

- Hélice impelente (sentido de aire hélice-motor). Incremento 5% sobre PVP.
- Hélice reversible 100%. Incremento 5% sobre PVP.
- Clasificación ATEX para otras zonas.

ATEX OPTIONS UNDER REQUEST | OPCIONES ATEX BAJO DEMANDA

Three-phase MOTOR explosion-proof under the ATEX 2014/34/EU Directive for working temperatures from -20°C to +40°C.
MOTORES trifásicos antiexplosivos bajo Directiva ATEX 2014/34/UE para temperaturas de trabajo de -20°C a +40°C.

- ATEX Explosion-proof for GAS | ATEX Antideflagrantes para GAS

ⓂII2G Ex-d IIB T4 IP66

ⓂII2G Ex-d IIC T4 IP66 (OPTIONAL PTC PROBE | SONDA PTC OPCIONAL)

ⓂII2G Ex-d IIC T5 IP66

- ATEX Increased security for GAS | ATEX Seguridad aumentada para GAS:

ⓂII2G Ex-e T3 IP55

- ATEX Protection "n" for GAS | ATEX Protección "n" para GAS:

ⓂII3G Ex-nA IIC T4 Gc

- ATEX Protection "n" for GAS and NON-CONDUCTIVE DUST |

ATEX Protección "n" para GAS y POLVO NO CONDUCTOR:

ⓂII3GD Ex-Na IIC T4 Gc Ex-rc IIB T125° IP55 ZONA 22

- ATEX Explosion-proof for GAS and DUST | ATEX Antideflagrantes para GAS y POLVO:

ⓂII2GD Ex-d IIC T4 IP66

ⓂII2GD Ex-d IIC T5 IP66

- ATEX Increased security for DUST | ATEX Seguridad aumentada para POLVO:

ⓂII3D Ex-e Dc

- ATEX Protection by enclosure for DRIVER DUST | ATEX Protección por recinto

para POLVO CONDUCTOR:

ⓂII3D Ex-rc IIC T125° Dc IP55 ZONA 22

To carry out the selection of an ATEX fan, please use the curves that you will find in the Fanware by Casals selection software. The electrical data of these ATEX models can be modified.

Para llevar a cabo la selección de un ventilador ATEX, por favor use las curvas que encontrará en el programa de selección Fanware by Casals. Los datos eléctricos de estos Modelos ATEX pueden verse modificados.

ACCESSORIES | ACCESORIOS



INT ATEX pg.434

Switch for ATEX environments.
Interruptor para funcionar en entornos ATEX.



PS pg.408

Tilt mounting support for HM.
Pie soporte inclinable para HM.



PO pg.408

Long cased axial fans mounting support.
Pie soporte para ventiladores tubulares.



SIL-C pg.426

Circular silencer.
Silenciador circular.



SFC pg.433

Speed controller for single phase motors.
Regulador de velocidad monofásico.



JE 45 pg.416

Flexible joint.
Junta elástica.



AC pg.411

Connexion flange.
Brida de conexión.



RP pg.396

Protection guard.
Rejilla de protección.



BA-400 pg.416

Anti-vibrating flange 400°/2h. flexible.
Brida antivibratoria 400°/2h.



BAD pg.416

Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.

HMX | Eex-nA

THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | |
|-------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| HMX 35 T4 (A0:6) | 527,40 | | | | | | | | | | | | |
| HMX 40 T4 (A0:6) | 570,70 | | | | | | | | | | | | |
| HMX 45 T4 (A0:6) | 627,40 | | | | | | | | | | | | |
| HMX 45 T4 (A5:6) | 760,40 | 775,40 | 830,40 | | | | | | | | | | |
| HMX 50 T4 (A0:6) | | 758,60 | | | | | | | | | | | |
| HMX 50 T4 (A5:6) | 876,50 | | | | | | | | | | | | |
| HMX 56 T4 (A5:6) | | 891,30 | 946,40 | 971,50 | | | | | | | | | |
| HMX 63 T4 (A5:6) | | 1.082,50 | 1.137,50 | 1.162,40 | 1.133,10 | 1.188,10 | 1.342,90 | | | | | | |
| HMX 71 T4 (A5:6) | | | | 1.283,40 | 1.343,30 | 1.398,30 | 1.553,10 | 1.603,00 | 1.722,90 | | | | |
| HMX 80 T4 (A5:6) | | | | | 1.460,60 | 1.515,60 | 1.670,40 | 1.720,40 | 1.840,20 | | | | |
| HMX 90 T4 (A6:6) | | | | | | | | 2.754,10 | 2.874,00 | 3.118,80 | 3.268,60 | 3.997,60 | 4.198,30 |
| HMX 90 T4 (A6:3) | | | | | | | | 2.524,60 | 2.644,40 | 2.889,20 | 3.039,00 | 3.768,00 | 3.968,60 |
| HMX 100 T4 (A6:6) | | | | | | | | | | 3.212,50 | 3.362,30 | 4.091,40 | 4.292,00 |
| HMX 100 T4 (A6:3) | | | | | | | | | | 2.982,90 | 3.132,70 | 3.861,70 | 4.062,40 |
| HMX 112 T4 (A6:6) | | | | | | | | | | 4.444,80 | 4.594,60 | 5.323,60 | 5.524,30 |
| HMX 112 T4 (A6:3) | | | | | | | | | | 4.215,10 | 4.365,00 | 5.094,10 | 5.294,60 |
| HMX 125 T4 (A7:8) | | | | | | | | | | | | 5.969,10 | 6.169,60 |
| HMX 125 T4 (A7:4) | | | | | | | | | | | 4.933,80 | 5.662,90 | 5.863,50 |

THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | |
|-------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | |
| HMX 40 T6 (A0:6) | 722,30 | | | | | | | | | | | | |
| HMX 45 T6 (A0:6) | 779,00 | | | | | | | | | | | | |
| HMX 45 T6 (A5:6) | 912,00 | | | | | | | | | | | | |
| HMX 50 T6 (A0:6) | 895,10 | | | | | | | | | | | | |
| HMX 50 T6 (A5:6) | 1.028,10 | | | | | | | | | | | | |
| HMX 56 T6 (A5:6) | 1.129,80 | 1.129,80 | 1.176,50 | | | | | | | | | | |
| HMX 63 T6 (A5:6) | | 1.219,10 | 1.265,80 | 1.247,40 | | | | | | | | | |
| HMX 71 T6 (A5:6) | | 1.340,00 | 1.386,70 | 1.368,30 | 1.413,20 | | | | | | | | |
| HMX 80 T6 (A5:6) | | 1.457,40 | 1.504,00 | 1.485,60 | 1.530,60 | 1.615,40 | 1.780,30 | | | | | | |
| HMX 90 T6 (A6:6) | | | | 2.519,40 | 2.564,30 | 2.649,30 | 2.814,10 | 2.993,90 | 3.083,80 | | | | |
| HMX 90 T6 (A6:3) | | | | 2.289,80 | 2.334,80 | 2.419,60 | 2.584,50 | 2.764,30 | 2.854,20 | | | | |
| HMX 100 T6 (A6:6) | | | | | 2.658,10 | 2.743,00 | 2.907,80 | 3.087,60 | 3.177,60 | 3.342,30 | 4.263,40 | | |
| HMX 100 T6 (A6:3) | | | | | 2.428,50 | 2.513,40 | 2.678,30 | 2.858,00 | 2.947,90 | 3.112,80 | 4.033,70 | | |
| HMX 112 T6 (A6:6) | | | | | | 3.975,30 | 4.140,10 | 4.319,90 | 4.409,80 | 4.574,60 | 5.495,60 | 5.658,00 | |
| HMX 112 T6 (A6:3) | | | | | | 3.745,70 | 3.910,50 | 4.090,30 | 4.180,30 | 4.345,00 | 5.266,00 | 5.428,50 | |
| HMX 125 T6 (A7:8) | | | | | | | | 4.965,30 | 5.055,30 | 5.220,00 | 6.141,00 | 6.303,50 | |
| HMX 125 T6 (A7:4) | | | | | | | | 4.479,40 | 4.659,20 | 4.749,10 | 4.913,90 | 5.834,80 | 5.997,30 |

HMX | Eex-e

THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | |
|-------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 |
| HMX 35 T4 (A0:6) | 650,20 | | | | | | | | | | | | |
| HMX 40 T4 (A0:6) | 693,50 | | | | | | | | | | | | |
| HMX 45 T4 (A0:6) | 750,20 | | | | | | | | | | | | |
| HMX 45 T4 (A5:6) | 883,20 | 901,70 | 963,60 | | | | | | | | | | |
| HMX 50 T4 (A0:6) | | 884,80 | | | | | | | | | | | |
| HMX 50 T4 (A5:6) | 999,20 | 1.017,80 | 1.079,70 | 1.109,10 | | | | | | | | | |
| HMX 56 T4 (A5:6) | | 1.119,60 | 1.181,50 | 1.210,80 | 1.316,10 | 1.378,10 | 1.604,00 | | | | | | |
| HMX 63 T4 (A5:6) | | 1.208,90 | 1.270,70 | 1.300,20 | 1.405,40 | 1.467,30 | 1.693,40 | 1.755,30 | | | | | |
| HMX 71 T4 (A5:6) | | | | 1.421,10 | 1.526,30 | 1.588,20 | 1.814,30 | 1.876,10 | 2.145,60 | | | | |
| HMX 80 T4 (A5:6) | | | | | 1.643,70 | 1.705,60 | 1.931,60 | 1.993,50 | 2.262,80 | | | | |
| HMX 90 T4 (A6:6) | | | | | | | | 3.027,30 | 3.296,70 | 3.977,80 | 4.114,00 | 5.285,80 | 5.756,50 |
| HMX 90 T4 (A6:3) | | | | | | | | 2.797,70 | 3.067,00 | 3.748,10 | 3.884,40 | 5.056,20 | 5.526,90 |
| HMX 100 T4 (A6:6) | | | | | | | | | | 4.071,60 | 4.207,70 | 5.379,50 | 5.850,20 |
| HMX 100 T4 (A6:3) | | | | | | | | | | 3.841,90 | 3.978,10 | 5.150,00 | 5.620,60 |
| HMX 112 T4 (A6:6) | | | | | | | | | | 5.303,90 | 5.440,10 | 6.611,90 | 7.082,50 |
| HMX 112 T4 (A6:3) | | | | | | | | | | 5.074,20 | 5.210,40 | 6.382,20 | 6.852,80 |
| HMX 125 T4 (A7:8) | | | | | | | | | | | | 7.257,20 | 7.727,80 |
| HMX 125 T4 (A7:4) | | | | | | | | | | | 5.779,20 | 6.951,10 | 7.421,70 |

HMX | Eex-e

THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | |
|-------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | |
| HMX 40 T6 (A0:6) | 828,10 | | | | | | | | | | | | |
| HMX 45 T6 (A0:6) | 884,80 | | | | | | | | | | | | |
| HMX 45 T6 (A5:6) | 1.017,80 | | | | | | | | | | | | |
| HMX 50 T6 (A0:6) | 1.000,80 | | | | | | | | | | | | |
| HMX 50 T6 (A5:6) | 1.133,90 | | | | | | | | | | | | |
| HMX 56 T6 (A5:6) | 1.235,70 | 1.263,50 | 1.303,80 | | | | | | | | | | |
| HMX 63 T6 (A5:6) | | 1.352,70 | 1.393,00 | 1.473,50 | | | | | | | | | |
| HMX 71 T6 (A5:6) | | 1.473,60 | 1.513,90 | 1.594,40 | 1.688,90 | | | | | | | | |
| HMX 80 T6 (A5:6) | | 1.591,00 | 1.631,30 | 1.711,80 | 1.806,20 | 2.238,10 | 2.657,60 | | | | | | |
| HMX 90 T6 (A6:6) | | | | 2.745,60 | 2.840,00 | 3.271,90 | 3.691,40 | 4.392,60 | 4.623,30 | | | | |
| HMX 90 T6 (A6:3) | | | | 2.516,00 | 2.610,40 | 3.042,30 | 3.461,80 | 4.163,10 | 4.393,70 | | | | |
| HMX 100 T6 (A6:6) | | | | | 2.933,70 | 3.365,60 | 3.785,10 | 4.486,40 | 4.717,00 | 4.946,20 | 6.810,00 | | |
| HMX 100 T6 (A6:3) | | | | | 2.704,10 | 3.136,10 | 3.555,50 | 4.256,70 | 4.487,40 | 4.716,60 | 6.580,30 | | |
| HMX 112 T6 (A6:6) | | | | | | 4.597,90 | 5.017,50 | 5.718,70 | 5.949,40 | 6.178,40 | 8.042,30 | 8.203,20 | |
| HMX 112 T6 (A6:3) | | | | | | 4.368,30 | 4.787,80 | 5.489,00 | 5.719,70 | 5.948,90 | 7.812,60 | 7.973,60 | |
| HMX 125 T6 (A7:8) | | | | | | | | 6.364,10 | 6.594,70 | 6.823,90 | 8.687,60 | 8.848,60 | |
| HMX 125 T6 (A7:4) | | | | | | | | 5.356,60 | 6.058,00 | 6.288,60 | 6.517,70 | 8.381,40 | 8.542,50 |

HMX | Eex-d

THREE PHASE RANGE 4 POLE | SERIE TRIFÁSICA 4 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | | |
|-------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | 15 | |
| HMX 35 T4 (A0:6) | 866,80 | | | | | | | | | | | | | |
| HMX 40 T4 (A0:6) | 910,10 | | | | | | | | | | | | | |
| HMX 45 T4 (A0:6) | 966,90 | | | | | | | | | | | | | |
| HMX 45 T4 (A5:6) | 1.099,90 | 1.126,70 | 1.173,40 | | | | | | | | | | | |
| HMX 50 T4 (A0:6) | | 1.109,80 | | | | | | | | | | | | |
| HMX 50 T4 (A5:6) | 1.215,90 | 1.242,80 | 1.289,40 | 1.316,30 | | | | | | | | | | |
| HMX 56 T4 (A5:6) | | 1.344,60 | 1.391,10 | 1.418,10 | 1.494,30 | 1.631,50 | 1.996,20 | | | | | | | |
| HMX 63 T4 (A5:6) | | 1.433,80 | 1.480,50 | 1.507,30 | 1.583,70 | 1.720,80 | 2.085,50 | 2.233,90 | | | | | | |
| HMX 71 T4 (A5:6) | | | | 1.628,30 | 1.704,50 | 1.841,70 | 2.206,40 | 2.354,80 | 2.731,00 | | | | | |
| HMX 80 T4 (A5:6) | | | | | 1.821,90 | 1.959,00 | 2.323,80 | 2.472,20 | 2.848,20 | | | | | |
| HMX 90 T4 (A6:6) | | | | | | | | 3.506,10 | 3.882,10 | 4.367,00 | 4.718,70 | 6.358,70 | 6.727,30 | |
| HMX 90 T4 (A6:3) | | | | | | | | 3.276,40 | 3.652,40 | 4.137,30 | 4.489,00 | 6.129,20 | 6.497,60 | |
| HMX 100 T4 (A6:6) | | | | | | | | | | 4.460,70 | 4.812,40 | 6.452,50 | 6.821,10 | |
| HMX 100 T4 (A6:3) | | | | | | | | | | 4.231,10 | 4.582,80 | 6.222,80 | 6.591,40 | |
| HMX 112 T4 (A6:6) | | | | | | | | | | 5.693,00 | 6.044,70 | 7.684,80 | 8.053,30 | |
| HMX 112 T4 (A6:3) | | | | | | | | | | 5.463,40 | 5.815,00 | 7.455,10 | 7.823,70 | |
| HMX 125 T4 (A7:8) | | | | | | | | | | | | 8.330,10 | 8.698,70 | |
| HMX 125 T4 (A7:4) | | | | | | | | | | | | 6.383,90 | 8.023,90 | 8.392,50 |

THREE PHASE RANGE 6 POLE | SERIE TRIFÁSICA 6 POLOS

| Modelo Modelo | Power Potencia (kW) | | | | | | | | | | | | |
|-------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 0,25 | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 11 | |
| HMX 40 T6 (A0:6) | 975,20 | | | | | | | | | | | | |
| HMX 45 T6 (A0:6) | 1.031,90 | | | | | | | | | | | | |
| HMX 45 T6 (A5:6) | 1.164,90 | | | | | | | | | | | | |
| HMX 50 T6 (A0:6) | 1.147,90 | | | | | | | | | | | | |
| HMX 50 T6 (A5:6) | 1.280,90 | | | | | | | | | | | | |
| HMX 56 T6 (A5:6) | 1.382,70 | 1.418,10 | 1.444,90 | | | | | | | | | | |
| HMX 63 T6 (A5:6) | | 1.507,30 | 1.534,20 | 1.620,40 | | | | | | | | | |
| HMX 71 T6 (A5:6) | | 1.628,30 | 1.655,10 | 1.741,40 | 1.913,80 | | | | | | | | |
| HMX 80 T6 (A5:6) | | 1.745,50 | 1.772,40 | 1.858,70 | 2.031,10 | 2.393,00 | 2.767,40 | | | | | | |
| HMX 90 T6 (A6:6) | | | | 2.892,50 | 3.064,90 | 3.426,90 | 3.801,20 | 4.600,50 | 4.706,20 | | | | |
| HMX 90 T6 (A6:3) | | | | 2.662,80 | 2.835,40 | 3.197,20 | 3.571,60 | 4.370,90 | 4.476,60 | | | | |
| HMX 100 T6 (A6:6) | | | | | 3.158,70 | 3.520,60 | 3.894,90 | 4.694,20 | 4.800,00 | 5.004,90 | 6.953,20 | | |
| HMX 100 T6 (A6:3) | | | | | 2.929,10 | 3.291,00 | 3.665,30 | 4.464,70 | 4.570,40 | 4.775,40 | 6.723,60 | | |
| HMX 112 T6 (A6:6) | | | | | | 4.752,80 | 5.127,20 | 5.926,50 | 6.032,30 | 6.237,20 | 8.185,50 | 8.434,00 | |
| HMX 112 T6 (A6:3) | | | | | | 4.523,30 | 4.897,60 | 5.697,00 | 5.802,60 | 6.007,70 | 7.955,80 | 8.204,30 | |
| HMX 125 T6 (A7:8) | | | | | | | | 6.571,90 | 6.677,60 | 6.882,60 | 8.830,80 | 9.079,30 | |
| HMX 125 T6 (A7:4) | | | | | | | | 5.466,50 | 6.265,80 | 6.371,50 | 6.576,50 | 8.524,70 | 8.773,20 |

HHX

External motor, variable pitch blades, ATEX

Motor externo pala variable ATEX



ATEX OPTIONS UNDER REQUEST | OPCIONES ATEX BAJO DEMANDA

Three-phase MOTOR explosion-proof under the ATEX 2014/34/EU Directive for working temperatures from -20°C to +40°C.
MOTORES trifásicos antiexplosivos bajo Directiva ATEX 2014/34/UE para temperaturas de trabajo de -20°C a +40°C.

- ATEX Explosion-proof for GAS | ATEX Antideflagrantes para GAS
- ExII2G Ex-d IIB T4 IP66
- ExII2G Ex-d IICT4 IP66 (OPTIONAL PTC PROBE | Sonda PTC OPCIONAL)
- ExII2G Ex-e T3 IP55
- ATEX Increased security for GAS | ATEX Seguridad aumentada para GAS:
- ExII2G Ex-e T3 IP55
- ATEX Protection "n" for GAS | ATEX Protección "n" para GAS:
- ExII3G Ex-nA IICT4 Gc
- ATEX Protection "n" for GAS and NON-CONDUCTIVE DUST | ATEX Protección "n" para GAS y POLVO NO CONDUCTOR:
- ExII3GD Ex-nA IICT4 Gc Ex-tc IIIB T125° IP55 ZONA 22
- ATEX Explosion-proof for GAS and DUST | ATEX Antideflagrantes para GAS y POLVO:
- ExII2GD Ex-d IICT4 IP66
- ExII2GD Ex-d IICT5 IP66
- ATEX Increased security for DUST | ATEX Seguridad aumentada para POLVO:
- ExII3D Ex-e Dc
- ATEX Protection by enclosure for DRIVER DUST | ATEX Protección por recinto para POLVO CONDUCTOR:
- ExII3D Ex-tc IIIC T125° Dc IP55 ZONA 22

To carry out the selection of an ATEX fan, please use the curves that you will find in the Fanware by Casals selection software. The electrical data of these ATEX models can be modified.

Para llevar a cabo la selección de un ventilador ATEX, por favor use las curvas que encontrará en el programa de selección Fanware by Casals. Los datos eléctricos de estos Modelos ATEX pueden verse modificados.

MANUFACTURING FEATURES

- Long cased fan.
- Transmission ball bearings set inside a sealed box manufactured in steel or cast aluminium. Ball bearings permanently greased.
- Cast aluminium impeller with variable pitch angle in origin.
- Protected against corrosion by powder coating epoxy resin.
- Standard asynchronous squirrel-cage motor with IP-55 protection and class F insulation and ATEX certified: II2G Ex-d, Ex-e / II3GD Ex-nA. Standard voltages 230V 50Hz in single phase motors, 230/400V 50Hz in three phase motors up to 4kW, and 400/690V 50Hz for higher powers.
- Inspection door for motor access and transmission set located on the lower part of the housing.

APPLICATIONS

Designed for inline installation, they are suitable for:

- Air renewal in buildings and industries.
- Hot air extraction up to 110°C.
- Maximum working temperature: carried air 110°C; environment 60°C.

UNDER REQUEST

- B form impeller (air flow from impeller to motor). 5% additional cost.
- 100% reversible impeller. 5% additional cost.
- Polyamide impeller.
- Special voltages.
- 2 speed motors.
- Hot-dipped galvanised or stainless steel housing.

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador envoltorio tubular.
- Conjunto de rodamientos de la transmisión y poleas protegidos en alojamiento estanco construido en chapa de acero o fundición de aluminio. Rodamientos a bolas con engrase permanente.
- Hélice en fundición de aluminio de ángulo variable en origen.
- Protegidos contra la corrosión mediante recubrimiento en polvo de resina epoxy.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F y certificación ATEX: II2G Ex-d, Ex-e / II3GD Ex-nA. Voltajes estándar 230V 50Hz para motores monofásicos, 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Trampilla de inspección de acceso a hélice y rodamientos de la transmisión situada en la parte inferior del envoltorio.

APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Renovación de aire en todo tipo de edificios e industrias.
- Extracción aire caliente hasta 110°C.
- Temperatura máxima de trabajo en continuo: aire transportado: 110°C; ambiente: 60°C.

BAJO DEMANDA

- Hélice impelente (sentido de aire hélice-motor). Incremento 5% sobre PVP.
- Hélice reversible 100%. Incremento 5% sobre PVP.
- Hélice en poliamida.
- Voltajes especiales.
- Motor 2 velocidades.
- Envoltorio en chapa galvanizada en caliente o acero inoxidable.

ACCESSORIES | ACCESORIOS



INT ATEX pg.434

Switch for ATEX environments. Interruptor para funcionar en entornos ATEX.



SFC pg.433

Speed controller for single phase motors. Regulador de velocidad monofásico.



RP pg.396

Protection guard. Rejilla de protección.



JE 45 pg.416

Flexible joint. Junta elástica.



RI pg.398

Outlet guard. Reja impulsión.



BA-400 pg.416

Anti-vibrating flange 400º/2h. flexible. Brida antivibratoria 400º/2h.



PO pg.408

Long cased axial fans mounting support. Pie soporte para ventiladores tubulares.



BAD pg.416

Circular-Circular coupling flange. Brida de acoplamiento circular-circular.



PC2 pg.402

Overpressure damper for facade. Rejilla de sobrepresión antirretorno para fachada.



SIL-C pg.426

Circular silencer. Silenciador circular.



AC pg.411

Connexion flange. Brida de conexión.

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | R.P.M. | Rated I (A) 400V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € Ex-nA | R.R.P € Ex-e | R.R.P € Ex-d |
|-------------|------------------|--------|------------------|---------------|---------------|---------------|-----------|---------------|--------------|--------------|
| Código | Modelo | R.P.M. | I nom. (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € Ex-nA | P.V.P € Ex-e | P.V.P € Ex-d |
| 264100106XY | HHX 35 T2 0,55kW | 2800 | 1,45 | 0,55 | 4.100 | 64 | 22 | 1.622,60 | 1.789,40 | 2.046,60 |
| 264310106XY | HHX 35 T4 0,12kW | 1400 | 0,71 | 0,12 | 3.150 | 49 | 20 | 1.589,20 | 1.673,50 | 1.890,40 |
| 264340120XY | HHX 45 T4 0,37kW | 1400 | 1,2 | 0,37 | 6.290 | 49 | 36 | 1.695,20 | 1.821,50 | 2.046,50 |
| 264380106XY | HHX 56 T4 0,55kW | 1400 | 1,75 | 0,55 | 8.680 | 57 | 36 | 1.888,50 | 2.021,80 | 2.231,50 |
| 264380120XY | HHX 56 T4 0,75kW | 1390 | 2,1 | 0,75 | 10.940 | 57 | 36 | 1.946,00 | 2.083,80 | 2.291,00 |
| 264390106XY | HHX 56 T4 1,1kW | 1400 | 3,3 | 1,1 | 12.040 | 56 | 39 | 2.029,30 | 2.212,30 | 2.390,60 |
| 264400106XY | HHX 63 T4 1,1kW | 1400 | 3,3 | 1,1 | 14.010 | 56 | 59 | 2.325,00 | 2.508,00 | 2.686,20 |
| 264420106XY | HHX 71 T4 1,1kW | 1400 | 3,3 | 1,1 | 15.970 | 70 | 74 | 2.398,50 | 2.581,50 | 2.759,70 |
| 264420120XY | HHX 71 T4 1,5kW | 1400 | 3,8 | 1,5 | 18.980 | 62 | 77 | 2.434,60 | 2.624,70 | 2.878,10 |
| 264440106XY | HHX 90 T4 3kW | 1430 | 6,8 | 3 | 29.940 | 77 | 113 | 4.602,90 | 4.876,00 | 5.354,80 |
| 264450106XY | HHX 90 T4 5,5kW | 1440 | 11,5 | 5,5 | 32.510 | 78 | 132 | 4.528,10 | 5.387,20 | 5.776,30 |

To place an order for an ATEX fan, you must replace the Y of the code with D if it is explosion-proof, with E if it is anti-explosive, or with N if it is non-sparking. Para cursar un pedido de un ventilador ATEX se debe sustituir la Y del código por D si es antideflagrante, por E si es antiexplosivo, o por N si es antichispas.

MAX
ATEX centrifugal medium pressure
Centrífugo media presión ATEX

MANUFACTURING FEATURES

- Rolling steel sheet housing.
- Cast aluminium impeller.
- Protected against corrosion by powder coating of epoxy-polyester resin.
- Standard asynchronous squirrel-cage motor with IP-55 protection and Class F insulation and ATEX certified: II2G Ex-d, Ex-e / II3GD Ex-nA. Standard voltages 230V 50Hz for single phase motors and 230/400V 50Hz in three phase motors.
- Default assembly orientation is LG270.

APPLICATIONS

Designed for inline installation, they are suitable for:

- Maximum working temperature: carried air -20°C to 80°C.

UNDER REQUEST

- Orientations: LG0, LG45, LG90, LG135, LG180, LG315.
- ATEX motor for different categories.

CARACTERÍSTICAS CONSTRUCTIVAS

- Carcasa fabricada en fundición de aluminio.
- Turbina fabricada en fundición de aluminio.
- Protegidos contra la corrosión mediante recubrimiento en polvo de resina epoxy-poliéster.
- Motor con rodamientos a bolas con protección IP-55, aislamiento clase F y certificación ATEX: II2G Ex-d, Ex-e / II3GD Ex-nA. Voltajes estándar 230V 50Hz para monofásicos y 230/400V 50Hz para trifásicos.
- La orientación de montaje por defecto es LG270.

APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Temperatura máxima del aire de -20°C a 80°C.

BAJO DEMANDA

- Orientaciones: LG0, LG45, LG90, LG135, LG180, LG315.
- Motor ATEX para diferentes categorías.


ATEX OPTIONS UNDER REQUEST | OPCIONES ATEX BAJO DEMANDA

Three-phase MOTOR explosion-proof under the ATEX 2014/34/EU Directive for working temperatures from -20°C to +40°C.
MOTORES trifásicos antiexplosivos bajo Directiva ATEX 2014/34/UE para temperaturas de trabajo de -20°C a +40°C.

- ATEX Explosion-proof for GAS | ATEX Antideflagrantes para GAS
- ⓂII2G Ex-d IIB T4 IP66
- ⓂII2G Ex-d IIC T4 IP66 (OPTIONAL PTC PROBE) | Sonda PTC OPCIONAL
- ⓂII2G Ex-d IIC T5 IP66
- ATEX Increased security for GAS | ATEX Seguridad aumentada para GAS:
- ⓂII2G Ex-e T3 IP55
- ATEX Protection "n" for GAS | ATEX Protección "n" para GAS:
- ⓂII3G Ex-nA IIC T4 Gc
- ATEX Protection "n" for GAS and NON-CONDUCTIVE DUST | ATEX Protección "n" para GAS y POLVO NO CONDUCTOR:
- ⓂII3GD Ex-na IIC T4 Gc Ex-rc IIB T125° IP55 ZONA 22
- ATEX Explosion-proof for GAS and DUST | ATEX Antideflagrantes para GAS y POLVO:
- ⓂII2GD Ex-d IIC T4 IP66
- ⓂII2GD Ex-d IIC T5 IP66
- ATEX Increased security for DUST | ATEX Seguridad aumentada para POLVO:
- ⓂII3D Ex-e Dc
- ATEX Protection by enclosure for DRIVER DUST | ATEX Protección por recinto para POLVO CONDUCTOR:
- ⓂII3D Ex-rc IIC T125° Dc IP55 ZONA 22

To carry out the selection of an ATEX fan, please use the curves that you will find in the Fanware by Casals selection software. The electrical data of these ATEX models can be modified.
Para llevar a cabo la selección de un ventilador ATEX, por favor use las curvas que encontrará en el programa de selección Fanware by Casals. Los datos eléctricos de estos Modelos ATEX pueden verse modificados.

ACCESSORIES | ACCESORIOS

INT ATEX pg.434

Switch for ATEX environments.
Interruptor para funcionar en entornos ATEX.


SFC pg.433

Speed controller for single phase motors.
Regulador de velocidad monofásico.


RA pg.400

Inlet protection guard.
Rejilla de protección para la embocadura de aspiración.


SIL-C pg.426

Duct circular silencer.
Silenciador circular conducto.


JE 45 pg.416

Flexible joint.
Junta elástica.


BA-400 pg.416

Anti-vibrating flange 400°/2h. flexible.
Brida antivibratoria 400°/2h.


AC pg.411

Connexion flange.
Brida de conexión.


BAD pg.416

Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.


RBS pg.400

Outlet protection guard.
Rejilla boca de salida.


AB pg.425

Acoustic cabins for Casals centrifugal fans.
Cabinas acústicas para ventiladores centrífugos Casals


AVR pg.422

Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.


AVS pg.423

Spring anti-vibration blocks.
Amortiguador de muelles.

SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | R.P.M. | Rated I (A) 230V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € Ex-d |
|-------------|------------------|--------|------------------|---------------|---------------|---------------|-----------|---------------|
| Código | Modelo | R.P.M. | I nom. (A) 230V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € Ex-d |
| 253300104XD | MAX 26 M2 0,37kW | 2800 | 2,61 | 0,37 | 750 | 64 | 13 | 638,00 |

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | R.P.M. | Rated I (A) 400V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € Ex-nA | R.R.P. € Ex-e | R.R.P. € Ex-d |
|------------|------------------|--------|------------------|---------------|---------------|---------------|-----------|-----------------|-----------------|-----------------|
| Código | Modelo | R.P.M. | I nom. (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € Ex-nA | P.V.P € Ex-e | P.V.P € Ex-d |
| 300951500X | MAX 26 T2 0,37kW | 2850 | 1 | 0,37 | 750 | 64 | 13 | 690,10 | 813,10 | 1.031,90 |
| 300318200X | MAX 27 T2 0,55kW | 2840 | 1,45 | 0,55 | 860 | 66 | 14 | 808,50 | 929,00 | 1.156,90 |
| 300840800X | MAX 28 T2 1,1kW | 2830 | 2,6 | 1,1 | 1.450 | 69 | 20 | 986,30 | 1.150,10 | 1.372,10 |
| 300886500X | MAX 31 T2 1,5kW | 2850 | 3,95 | 1,5 | 1.900 | 71 | 28 | 1.205,20 | 1.454,70 | 1.574,80 |
| 253430106X | MAX 31 T2 2,2kW | 2840 | 5,4 | 2,2 | 2.170 | 72 | 30 | 1.233,40 | 1.473,20 | 1.673,00 |

To place an order for an ATEX fan, you must replace the Y of the code with D if it is explosion-proof, with E if it is anti-explosive, or with N if it is non-sparking.

Para cursar un pedido de un ventilador ATEX se debe sustituir la Y del código por D si es antideflagrante, por E si es antiexplosivo, o por N si es antichispas.

MBX

ATEX centrifugal medium pressure

Centrífugo media presión ATEX



MANUFACTURING FEATURES

- Rolling steel sheet housing.
- Completely joined or welded housing.
- Single inlet forward curved impeller made of aluminium sheet.
- Protected against corrosion by powder coating of epoxy-polyester resin.
- Inlet sparkproof ring made of copper or aluminium.
- Standard asynchronous squirrel-cage motor with IP-55 protection and Class F insulation and ATEX certified: II2G Ex-d, Ex-e / II3GD Ex-nA. Standard voltages 230V 50Hz in single phase motors, 230/400V in three phase motors up to 4kW, and 400/690V 50Hz for higher powers.
- Standard orientation: LG270.

APPLICATIONS

- Designed for inline installation, they are suitable for:
- Maximum air working temperature from -20°C to 80°C.

UNDER REQUEST

- ATEX motor executions.
- Orientation: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

CARACTERÍSTICAS CONSTRUCTIVAS

- Carcasa fabricada en chapa de acero laminado.
- Carcasa totalmente soldada o engatillada.
- Turbina multipala de álabes curvados hacia adelante de simple aspiración fabricada en chapa de aluminio.
- Protegidos contra la corrosión mediante recubrimiento en polvo de resina epoxy-poliéster.
- Aro de aspiración antichispas en cobre o aluminio.
- Motor asíncrono normalizado de jaula de ardilla con rodamientos a bolas, con protección IP-55, aislamiento clase F y certificación ATEX: II2G Ex-d, Ex-e / II3GD Ex-nA. Voltajes estándar 230V para motores monofásicos, 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Orientación estándar: LG270.

APLICACIONES

- Diseñados para instalación en conducto, son indicados para:
- Temperatura máxima del aire de -20°C a 80°C.

BAJO DEMANDA

- Motor ATEX para diferentes categorías.
- Orientación: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

ATEX OPTIONS UNDER REQUEST | OPCIONES ATEX BAJO DEMANDA

Three-phase MOTOR explosion-proof under the ATEX 2014/34/EU Directive for working temperatures from -20°C to +40°C.
MOTORES trifásicos antiexplosivos bajo Directiva ATEX 2014/34/UE para temperaturas de trabajo de -20°C a +40°C.

- ATEX Explosion-proof for GAS | ATEX Antideflagrantes para GAS

ⓂII2G Ex-d IIB T4 IP66

ⓂII2G Ex-d IIC T4 IP66 (OPTIONAL PTC PROBE | SONDA PTC OPCIONAL)

ⓂII2G Ex-d IIC T5 IP66

- ATEX Increased security for GAS | ATEX Seguridad aumentada para GAS:

ⓂII2G Ex-e T3 IP55

- ATEX Protection "n" for GAS | ATEX Protección "n" para GAS:

ⓂII3G Ex-nA IIC T4 Gc

- ATEX Protection "n" for GAS and NON-CONDUCTIVE DUST |

ATEX Protección "n" para GAS y POLVO NO CONDUCTOR:

ⓂII3GD Ex-nA IIC T4 Gc Ex-rc IIB T125° IP55 ZONA 22

- ATEX Explosion-proof for GAS and DUST | ATEX Antideflagrantes para GAS y POLVO:

ⓂII2GD Ex-d IIC T4 IP66

ⓂII2GD Ex-d IIC T5 IP66

- ATEX Increased security for DUST | ATEX Seguridad aumentada para POLVO:

ⓂII3D Ex-e Dc

- ATEX Protection by enclosure for DRIVER DUST | ATEX Protección por recinto para POLVO CONDUCTOR:

ⓂII3D Ex-rc IIC T125° Dc IP55 ZONA 22

To carry out the selection of an ATEX fan, please use the curves that you will find in the Fanware by Casals selection software. The electrical data of these ATEX models can be modified.

Para llevar a cabo la selección de un ventilador ATEX, por favor use las curvas que encontrará en el programa de selección Fanware by Casals. Los datos eléctricos de estos Modelos ATEX pueden verse modificados.

ACCESSORIES | ACCESORIOS



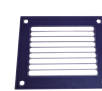
INT ATEX pg.434

Switch for ATEX environments. Interruptor para funcionar en entornos ATEX.



SFC pg.433

Speed controller for single phase motors. Regulador de velocidad monofásico.



RBS pg.400

Outlet protection guard. Rejilla de protección.



RA pg.400

Inlet protection guard. Rejilla aspiración.



JE 45 pg.416

Flexible joint. Junta elástica.



BA-400 pg.416

Anti-vibrating flange 400°/2h. flexible. Brida antivibratoria 400°/2h.



SIL-C pg.426

Circular silencer. Silenciador circular.



EI pg.412

Connection to be fitted in the centrifugal fans outlet. Brida de conexión para boca de impulsión rectangular de ventiladores centrifugos.



AC pg.411

Connexion flange. Brida de conexión.



BAD pg.416

Circular-Circular coupling flange. Brida de acoplamiento circular-circular.



FS pg.409

Front support for medium and high pressure fans. Pie soporte delantero para ventiladores de media y alta presión



AB pg.425

Acoustic cabins for Casals centrifugal fans. Cabinas acústicas para ventiladores centrifugos Casals



AVR pg.422

Anti-vibration rubber block. Amortiguador antivibrátil de caucho.



AVS pg.423

Spring anti-vibration blocks. Amortiguador de muelles.

SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | R.P.M. | Rated I (A) 230V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € Ex-d |
|-------------|--------------------|--------|---------------------|---------------|---------------|---------------|-----------|------------------|
| Código | Modelo | R.P.M. | I nom. (A) 230V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € Ex-d |
| 253100103XD | MBX 14/5 M2 0,25kW | 2800 | 1,87 | 0,25 | 830 | 58 | 7 | 1.099,10 |
| 253110103XD | MBX 16/6 M2 0,37kW | 2800 | 2,61 | 0,37 | 1.340 | 61 | 9,5 | 1.170,20 |
| 253170103XD | MBX 18/7 M2 0,75kW | 2800 | 4,93 | 0,75 | 1.940 | 63 | 15 | 1.539,60 |
| 253240103XD | MBX 20/6 M2 0,37kW | 2800 | 2,61 | 0,37 | 800 | 61 | 14 | 1.432,90 |
| 253190103XD | MBX 20/8 M2 1,1kW | 2820 | 7,45 | 1,1 | 2.240 | 66 | 19 | 1.685,60 |
| 253080103XD | MBX 12/5 M4 0,08kW | 1370 | 0,9 | 0,08 | 240 | 47 | 5 | 1.028,90 |
| 253090103XD | MBX 14/5 M4 0,08kW | 1370 | 0,9 | 0,08 | 420 | 47 | 6 | 1.044,10 |
| 253150103XD | MBX 16/6 M4 0,08kW | 1370 | 0,9 | 0,08 | 710 | 54 | 7,5 | 1.063,40 |

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € Ex-nA | R.R.P. € Ex-e | R.R.P. € Ex-d |
|-------------|---------------------|--------|-------------|------|---------------|---------------|---------------|-----------|-------------------|------------------|------------------|
| | | | 230V | 400V | | | | | | | |
| Código | Modelo | R.P.M. | I nom. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € Ex-nA | P.V.P € Ex-e | P.V.P € Ex-d |
| | | | 230V | 400V | | | | | | | |
| 253100106XY | MBX 14/5 T2 0,25kW | 2800 | 1,12 | 0,65 | 0,25 | 830 | 58 | 7 | 388,30 | 474,50 | 747,80 |
| 253110106XY | MBX 16/6 T2 0,37kW | 2800 | 1,58 | 0,91 | 0,37 | 1.340 | 61 | 9,5 | 413,90 | 536,90 | 755,70 |
| 253170106XY | MBX 18/7 T2 0,75kW | 2800 | 2,75 | 1,58 | 0,75 | 1.940 | 63 | 15 | 612,80 | 760,00 | 934,30 |
| 253240106XY | MBX 20/6 T2 0,37kW | 2800 | 1,58 | 0,91 | 0,37 | 800 | 61 | 14 | 653,00 | 775,80 | 994,70 |
| 253190106XY | MBX 20/8 T2 1,1kW | 2800 | 4,05 | 2,33 | 1,1 | 2.240 | 66 | 19 | 682,80 | 846,60 | 1.068,60 |
| 253080106XY | MBX 12/5 T4 0,08kW | 1400 | 0,035 | 0,2 | 0,08 | 250 | 47 | 5 | 350,80 | 464,00 | 726,50 |
| 253090106XY | MBX 14/5 T4 0,08kW | 1400 | 0,035 | 0,2 | 0,08 | 420 | 47 | 6 | 368,60 | 481,80 | 744,30 |
| 253150106XY | MBX 16/6 T4 0,08kW | 1400 | 0,035 | 0,2 | 0,08 | 710 | 54 | 7,5 | 382,30 | 495,50 | 758,00 |
| 253210120XY | MBX 22/9 T2 1,1kW | 2800 | 4,05 | 2,33 | 1,1 | 1.570 | 55 | 24 | 872,60 | 1.036,40 | 1.258,40 |
| 253200106XY | MBX 22/9 T2 2,2kW | 2800 | 7,97 | 4,58 | 2,2 | 2.750 | 65 | 30 | 902,40 | 1.142,10 | 1.342,00 |
| 253280106XY | MBX 25/10 T2 2,2kW | 2800 | 7,97 | 4,58 | 2,2 | 2.550 | 62 | 32 | 958,90 | 1.198,60 | 1.398,60 |
| 253290106XY | MBX 25/10 T2 3kW | 2870 | 10,3 | 5,92 | 3 | 3.700 | 66 | 38 | 1.147,80 | 1.336,70 | 1.730,40 |
| 253360106XY | MBX 28/11 T2 4kW | 2890 | 13,3 | 7,63 | 4 | 3.800 | 70 | 46 | 1.471,90 | 1.942,50 | 2.184,50 |
| 253260106XY | MBX 22/9 T4 0,37kW | 1400 | 1,86 | 1,07 | 0,37 | 1.930 | 59 | 21 | 743,30 | 833,00 | 1.098,40 |
| 253320106XY | MBX 25/10 T4 0,75kW | 1390 | 2,83 | 1,63 | 0,75 | 2.530 | 59 | 26 | 1.046,40 | 1.104,20 | 1.415,90 |
| 253410106XY | MBX 28/11 T4 1,1kW | 1400 | 4,33 | 2,49 | 1,1 | 3.490 | 65 | 32 | 1.193,50 | 1.298,50 | 1.510,40 |
| 253420106XY | MBX 31/12 T4 2,2kW | 1430 | 8,07 | 4,64 | 2,2 | 6.160 | 63 | 54 | 1.659,60 | 1.820,90 | 2.229,30 |
| 253480106XY | MBX 35/14 T4 3kW | 1430 | 10,7 | 6,17 | 3 | 6.500 | 65 | 63 | 1.764,20 | 1.920,80 | 2.419,20 |
| 253490106XY | MBX 35/14 T4 4kW | 1440 | 14,5 | 8,32 | 4 | 8.290 | 64 | 69 | 2.083,20 | 2.267,20 | 2.876,90 |
| 253510121XY | MBX 40/16 T4 5,5kW | 1440 | - | 10,5 | 5,5 | 9.000 | 68 | 101 | 2.580,60 | 3.002,10 | 3.407,30 |
| 253510106XY | MBX 40/16 T4 7,5kW | 1440 | - | 14,1 | 7,5 | 11.500 | 72 | 110 | 2.692,40 | 3.089,10 | 3.718,70 |
| 253530120XY | MBX 45/18 T4 7,5kW | 1440 | - | 14,1 | 7,5 | 9.500 | 75 | 119 | 2.954,10 | 3.350,90 | 3.980,50 |
| 253530121XY | MBX 45/18 T4 11kW | 1460 | - | 21,2 | 11 | 14.000 | 76 | 190 | 3.566,50 | 3.969,20 | 4.434,80 |
| 253500106XY | MBX 35/14 T6 1,1kW | 910 | 4,83 | 2,78 | 1,1 | 5.170 | 58 | 53 | 1.781,10 | 1.857,40 | 2.091,60 |
| 253520106XY | MBX 40/16 T6 1,5kW | 940 | 6,45 | 3,71 | 1,5 | 7.150 | 59 | 94 | 2.210,70 | 2.533,30 | 2.694,50 |
| 253560106XY | MBX 45/18 T6 2,2kW | 940 | 10,3 | 5,94 | 2,2 | 6.800 | 64 | 112 | 2.454,80 | 2.627,70 | 2.916,70 |

To place an order for an ATEX fan, you must replace the Y of the code with D if it is explosion-proof, with E if it is anti-explosive, or with N if it is non-sparking. Para cursar un pedido de un ventilador ATEX se debe sustituir la Y del código por D si es antideflagrante, por E si es antiexplosivo, o por N si es antichispas.

MBPX

ATEX centrifugal medium pressure with backward impeller, anticorrosion

Centrífugo media presión ATEX a reacción, anticorrosión



| MANUFACTURING FEATURES

- Antistatic PE-el antistatic housing.
- Backward curved impeller in PP plastic.
- Motor support made of rolled steel sheet protected against corrosion by powder coating of epoxy-polyester resin.
- Stainless steel nuts and bolts.
- Standard asynchronous squirrel-cage ATEX motor, IP-55, class F insulation and ATEX certified: II2G Ex-d, Ex-e / II3GD Ex-nA. Standard voltages 230/400V 50Hz.
- Standard orientation: LG270.

| APPLICATIONS

Designed for inline installation, they are suitable for:

- Air transport with corrosive components.
- Chemical and petrochemical industry.
- Laboratories and gas cabinets.
- Maximum temperature of transported air: if it is clean air 70°C, other depends on the gas (see table in documentation).

| UNDER REQUEST

- Stainless steel motor support.
- Motors with PTC/PTO temperature probes.
- Orientation: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315

| CARACTERÍSTICAS CONSTRUCTIVAS

- Carcasa fabricada en PE-el antiestático.
- Turbina a reacción en plástico PP.
- Soporte motor fabricado en chapa de acero recubierto contra la corrosión en polvo de resina epoxy.
- Tornillería en acero inoxidable.
- Motor asíncrono ATEX normalizado de jaula de ardilla con protección IP-55, aislamiento clase F y certificación ATEX: II2G Ex-d, Ex-e / II3GD Ex-nA. Voltajes estándar 230/400V 50Hz.
- Orientación estándar: LG270.

| APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Transporte de aire con componentes corrosivos.
- Industria química y petroquímica.
- Laboratorios y vitrinas de gases.
- Temperatura máxima del aire transportado: si es aire limpio a 70°C, otros dependerá del gas (consulte la tabla en la documentación).

| BAJO DEMANDA

- Pie soporte en acero inoxidable.
- Motores con sondas de temperatura PTC/PTO.
- Orientación: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

ATEX OPTIONS UNDER REQUEST | OPCIONES ATEX BAJO DEMANDA

Three-phase MOTOR explosion-proof under the ATEX 2014/34/EU Directive for working temperatures from -20°C to +40°C.

MOTORES trifásicos antiexplosivos bajo Directiva ATEX 2014/34/UE para temperaturas de trabajo de -20°C a +40°C.

- ATEX Explosion-proof for GAS | ATEX Antideflagrantes para GAS

ⓂII2G Ex-d IIB T4 IP66

ⓂII2G Ex-d IIC T4 IP66 (OPTIONAL PTC PROBE | Sonda PTC OPCIONAL)

ⓂII2G Ex-d IIC T5 IP66

- ATEX Increased security for GAS | ATEX Seguridad aumentada para GAS:

ⓂII2G Ex-e T3 IP55

- ATEX Protection "n" for GAS | ATEX Protección "n" para GAS:

ⓂII3G Ex-nA IIC T4 Gc

- ATEX Protection "n" for GAS and NON-CONDUCTIVE DUST |

ATEX Protección "n" para GAS y POLVO NO CONDUCTOR:

ⓂII3GD Ex-Na IIC T4 Gc Ex-tc IIIB T125° IP55 ZONA 22

- ATEX Explosion-proof for GAS and DUST | ATEX Antideflagrantes para GAS y POLVO:

ⓂII2GD Ex-d IIC T4 IP66

ⓂII2GD Ex-d IIC T5 IP66

- ATEX Increased security for DUST | ATEX Seguridad aumentada para POLVO:

ⓂII3D Ex-e Dc

- ATEX Protection by enclosure for DRIVER DUST | ATEX Protección por recinto

para POLVO CONDUCTOR:

ⓂII3D Ec-tc IIIC T125° Dc IP55 ZONA 22

To carry out the selection of an ATEX fan, please use the curves that you will find in the Fanware by Casals selection software. The electrical data of these ATEX models can be modified.

Para llevar a cabo la selección de un ventilador ATEX, por favor use las curvas que encontrará en el programa de selección Fanware by Casals. Los datos eléctricos de estos Modelos ATEX pueden verse modificados.

ACCESSORIES | ACCESORIOS



INT ATEX pg.434

Switch for ATEX environments.
Interruptor para funcionar en entornos ATEX.



SIL-C pg.426

Circular silencer.
Silenciador circular.



JE 45 pg.416

Flexible joint.
Junta elástica.



AVS pg.423

Spring anti-vibration blocks.
Amortiguador de muelles.



SFC pg.433

Speed controller for single phase motors.
Regulador de velocidad monofásico.



BA-400 pg.416

Anti-vibrating flange 400º/2h.
flexible.
Brida antivibratoria 400º/2h.



AVR pg.422

Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | R.P.M. | Rated I (A) 400V | Rat. Power kW | Air flow m ³ /h | Sound dB (A) | Weight Kg | R.R.P. € Ex-d |
|-------------|-------------------|--------|------------------|---------------|----------------------------|---------------|-----------|---------------|
| Código | Modelo | R.P.M. | I nom. (A) 400V | P. Nom. kW | Q máx. m ³ /h | Sonido dB (A) | Peso Kg | P.V.P € Ex-d |
| 502202013XD | MBPX 20 T2 0,18kW | 2800 | 0,62 | 0,18 | 1.150 | 58 | 17 | 1.799,10 |
| 502202515XD | MBPX 25 T2 0,37kW | 2800 | 1 | 0,37 | 2.150 | 66 | 24 | 2.409,80 |
| 502202817XD | MBPX 28 T2 0,75kW | 2800 | 2 | 0,75 | 3.170 | 69 | 33 | 2.511,30 |
| 502203119XD | MBPX 31 T2 1,5kW | 2800 | 3,95 | 1,5 | 4.700 | 72 | 45 | 3.584,70 |
| 502203527XD | MBPX 35 T2 2,2kW | 2800 | 5,4 | 2,2 | 6.700 | 74 | 51 | 4.118,30 |
| 502202039XD | MBPX 20 T4 0,12kW | 1400 | 0,71 | 0,12 | 570 | 43 | 17 | 1.744,70 |
| 502202539XD | MBPX 25 T4 0,12kW | 1400 | 0,71 | 0,12 | 1.090 | 50 | 18 | 2.033,90 |
| 502202840XD | MBPX 28 T4 0,18kW | 1400 | 0,76 | 0,18 | 1.610 | 53 | 23 | 2.462,80 |
| 502203141XD | MBPX 31 T4 0,25kW | 1400 | 0,84 | 0,25 | 2.390 | 56 | 30 | 2.529,10 |
| 502203542XD | MBPX 35 T4 0,37kW | 1400 | 1,2 | 0,37 | 3.400 | 58 | 34 | 2.898,30 |
| 502204043XD | MBPX 40 T4 0,55kW | 1400 | 1,75 | 0,55 | 4.850 | 63 | 47 | 3.804,60 |
| 502204545XD | MBPX 45 T4 1,1kW | 1400 | 3,3 | 1,1 | 6.400 | 63 | 61 | 4.626,70 |
| 502203168XD | MBPX 31 T6 0,18kW | 900 | 0,61 | 0,18 | 1.570 | 45 | 30 | 2.548,00 |
| 502203568XD | MBPX 35 T6 0,18kW | 900 | 0,61 | 0,18 | 2.230 | 47 | 34 | 2.790,90 |
| 502204069XD | MBPX 40 T6 0,25kW | 900 | 1 | 0,25 | 3.180 | 52 | 41 | 3.727,00 |
| 502204570XD | MBPX 45 T6 0,37kW | 900 | 1,4 | 0,37 | 4.190 | 52 | 51 | 4.224,60 |

ACCESSORIES FOR MBPX | ACCESORIOS PARA MBPX

| Application model | Ø inlet / outlet | R.R.P. / P.V.P € | | | | | | | | | | |
|-------------------|--------------------------|------------------|--------|--------|--------|--------|-------|-------|-------|-------|--------|--|
| | | FJ | DG | CSC | AD | PC | PCM | AV | PD | RPI | WS | |
| Modelo a aplicar | Ø aspiración / impulsión | | | | | | | | | | | |
| MBPX 20 | 160 | 44,40 | 96,20 | 184,90 | 173,80 | 62,80 | 29,60 | 33,30 | 18,50 | 44,40 | 147,90 | |
| MBPX 25 | 200 | 51,80 | 125,80 | 229,30 | 196,00 | 62,80 | 29,60 | 33,30 | 18,50 | 48,00 | 147,90 | |
| MBPX 28 | 225 | 55,50 | 144,20 | 266,20 | 207,10 | 103,50 | 29,60 | 33,30 | 18,50 | 55,50 | 147,90 | |
| MBPX 31 | 250 | 62,80 | 170,10 | 295,80 | 214,50 | 114,70 | 36,90 | 44,40 | 18,50 | 59,20 | 147,90 | |
| MBPX 35 | 280 | 66,60 | 181,20 | 318,00 | 225,50 | 125,80 | 36,90 | 44,40 | 18,50 | 66,20 | 147,90 | |
| MBPX 40 | 315 | 74,00 | 188,60 | 336,50 | 266,20 | 125,80 | 36,90 | 44,40 | 18,50 | 81,40 | 147,90 | |
| MBPX 45 | 355 | 85,10 | 233,00 | 373,40 | 269,90 | 140,60 | 44,40 | 44,40 | 18,50 | 88,70 | 147,90 | |

FJ = Flexible joint/ Junta flexible DG = Diffusor with grid/ Difusor con rejilla CSC = Gravity shutter/ Compuerta sobrepresión circular AD = Adjustable damper/ Compuerta ajustable
 PC = Housing protection/ Protección de carcasa PCM = Motor protection cover/ Tapa protección motor AV = Anti-vibration mounts kit/ Kit soporte antivibración PD = Drain plug/ Tapón de drenaje RPI = Stainless protection grid/ Rejilla de protección inoxidable WS = Wall bracket/ Soporte para pared

Put a Storm in every industrial application
Un Storm para cada aplicación industrial

MBPCX

ATEX centrifugal medium pressure fan with forward impeller, anticorrosion
Centrífuga media presión ATEX a acción, anticorrosión

MANUFACTURING FEATURES

- Antistatic PE-el housing.
- Forward curved impeller in PP plastic.
- Motor support made of rolled steel sheet protected against corrosion by powder coating of epoxy-polyester resin.
- Stainless steel nuts and bolts.
- Standard asynchronous squirrel-cage ATEX motor, IP-55, class F insulation and ATEX certified: II2G Ex-d, Ex-e / II3GD Ex-nA. Standard voltages 230/400V 50Hz.
- Standard orientation: LG270.

APPLICATIONS

- Designed for inline installation, they are suitable for:
- Air transport with corrosive components.
 - Chemical and petrochemical industry.
 - Laboratories and gas cabinets.
 - Maximum temperature of transported air: if it is clean air 70°C, other depends on the gas (see table in documentation).

UNDER REQUEST

- Stainless steel motor support.
- Motors with PTC/PTO temperature probes.
- Orientation: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

CARACTERÍSTICAS CONSTRUCTIVAS

- Carcasa fabricada en PE-el antiestático.
- Turbina a acción en plástico PP.
- Soporte motor fabricado en chapa de acero recubierto contra la corrosión en polvo de resina epoxy.
- Tornillería en acero inoxidable.
- Motor asíncrono ATEX normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F para ATEX certified: II2G Ex-d, Ex-e / II3GD Ex-nA. Voltajes estándar 230/400V 50Hz.
- Orientación estándar: LG270.

APLICACIONES

- Diseñados para instalación en conducto, son indicados para:
- Transporte de aire con componentes corrosivos.
 - Industria química y petroquímica.
 - Laboratorios y vitrinas de gases.
 - Temperatura máxima del aire transportado: si es aire limpio a 70°C, otros dependerá del gas (consulte la tabla en la documentación).

BAJO DEMANDA

- Pie soporte en acero inoxidable.
- Motores con sondas de temperatura PTC/PTO.
- Orientación: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

ATEX OPTIONS UNDER REQUEST | OPCIONES ATEX BAJO DEMANDA

Three-phase MOTOR explosion-proof under the ATEX 2014/34/EU Directive for working temperatures from -20°C to +40°C.
MOTORES trifásicos antiexplosivos bajo Directiva ATEX 2014/34/UE para temperaturas de trabajo de -20°C a +40°C.

- ATEX Explosion-proof for GAS | ATEX Antideflagrantes para GAS

⊕ II2G Ex-d IIB T4 IP66

⊕ II2G Ex-d IIC T4 IP66 (OPTIONAL PTC PROBE | Sonda PTC OPCIONAL)

⊕ II2G Ex-d IIC T5 IP66

- ATEX Increased security for GAS | ATEX Seguridad aumentada para GAS:

⊕ II2G Ex-e T3 IP55

- ATEX Protection "n" for GAS | ATEX Protección "n" para GAS:

⊕ II3G Ex-nA IIC T4 Gc

- ATEX Protection "n" for GAS and NON-CONDUCTIVE DUST |

ATEX Protección "n" para GAS y POLVO NO CONDUCTOR:

⊕ II3GD Ex-nA IIC T4 Gc Ex-rc IIB T125° IP55 ZONA 22

- ATEX Explosion-proof for GAS and DUST | ATEX Antideflagrantes para GAS y POLVO:

⊕ II2GD Ex-d IIC T4 IP66

⊕ II2GD Ex-d IIC T5 IP66

- ATEX Increased security for DUST | ATEX Seguridad aumentada para POLVO:

⊕ II3D Ex-e Dc

- ATEX Protection by enclosure for DRIVER DUST | ATEX Protección por recinto

para POLVO CONDUCTOR:

⊕ II3D Ex-rc IIC T125° Dc IP55 ZONA 22

To carry out the selection of an ATEX fan, please use the curves that you will find in the Fanware by Casals selection software. The electrical data of these ATEX models can be modified.

Para llevar a cabo la selección de un ventilador ATEX, por favor use las curvas que encontrará en el programa de selección Fanware by Casals. Los datos eléctricos de estos Modelos ATEX pueden verse modificados.

ACCESSORIES | ACCESORIOS

INT ATEX pg.434

Switch for ATEX environments.
Interruptor para funcionar en entornos ATEX.


SIL-C pg.426

Circular silencer.
Silenciador circular.


JE 45 pg.416

Flexible joint.
Junta elástica.


AVS pg.423

Spring anti-vibration blocks.
Amortiguador de muelles.


SFC pg.433

Speed controller for single phase motors.
Regulador de velocidad monofásico.


BA-400 pg.416

Anti-vibrating flange 400º/2h.
flexible.
Brida antivibratoria 400º/2h.


AVR pg.422

Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | R.P.M. | Rated I (A) 400V | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € Ex-d |
|-------------|--------------------|--------|------------------|---------------|---------------|---------------|-----------|------------------|
| Código | Modelo | R.P.M. | I nom. (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € Ex-d |
| 502302014XD | MBPCX 20 T2 0,25kW | 2850 | 0,74 | 0,25 | 800 | 68 | 17 | 1.653,50 |
| 502302517XD | MBPCX 25 T2 0,75kW | 2850 | 2 | 0,75 | 1.500 | 74 | 24 | 2.256,00 |
| 502302818XD | MBPCX 28 T2 1,1kW | 2850 | 2,6 | 1,1 | 2.100 | 78 | 33 | 2.741,40 |
| 502303119XD | MBPCX 31 T2 1,5kW | 2850 | 3,95 | 1,5 | 2.510 | 83 | 45 | 3.237,40 |
| 502303527XD | MBPCX 35 T2 2,2kW | 2850 | 5,4 | 2,2 | 2.710 | 81 | 82 | 4.179,60 |
| 502302039XD | MBPCX 20 T4 0,12kW | 1370 | 0,71 | 0,12 | 440 | 52 | 17 | 1.572,80 |
| 502302540XD | MBPCX 25 T4 0,18kW | 1370 | 0,76 | 0,18 | 780 | 58 | 18 | 1.785,50 |
| 502302840XD | MBPCX 28 T4 0,18kW | 1370 | 0,76 | 0,18 | 1.100 | 62 | 23 | 2.046,90 |
| 502303141XD | MBPCX 31 T4 0,25kW | 1400 | 0,84 | 0,25 | 1.400 | 67 | 30 | 2.310,00 |
| 502303542XD | MBPCX 35 T4 0,37kW | 1450 | 1,2 | 0,37 | 2.110 | 65 | 53 | 3.622,40 |
| 502304044XD | MBPCX 40 T4 0,75kW | 1410 | 2,1 | 0,75 | 2.710 | 70 | 47 | 3.578,90 |
| 502304545XD | MBPCX 45 T4 1,5kW | 1450 | 3,8 | 1,5 | 3.650 | 72 | 85 | 7.129,70 |
| 502305054XD | MBPCX 50 T4 2,2kW | 1450 | 5,8 | 2,2 | 5.440 | 75 | 140 | 8.609,10 |
| 502303167XD | MBPCX 31 T6 0,12kW | 930 | 0,55 | 0,12 | 920 | 57 | 30 | 2.312,30 |
| 502304069XD | MBPCX 40 T6 0,25kW | 920 | 1 | 0,25 | 1.930 | 58 | 41 | 3.430,20 |
| 502305072XD | MBPCX 50 T6 0,75kW | 900 | 2,2 | 0,75 | 4.090 | 64 | 125 | 8.355,00 |
| 502305678XD | MBPCX 56 T6 2,2kW | 900 | 5,2 | 2,2 | 8.100 | 67 | 130 | 10.272,00 |

ACCESSORIES FOR MBPCX | ACCESORIOS PARA MBPCX

| Application model | Ø inlet / outlet | R.R.P. / P.V.P. € | | | | | | |
|-------------------|------------------|-------------------|--------|--------|--------|-------|-------|--------|
| | | FJ | DG | CSC | AV | PD | RPI | WS |
| MBPCX 20 | 125 | 33,30 | 81,40 | 155,40 | 33,30 | 18,50 | 40,70 | 147,90 |
| MBPCX 22 | 160 | 44,40 | 96,20 | 184,90 | 33,30 | 18,50 | 44,40 | 147,90 |
| MBPCX 28 | 180 | 48,00 | 107,20 | 210,70 | 33,30 | 18,50 | 48,00 | 147,90 |
| MBPCX 31 | 200 | 51,80 | 125,80 | 229,30 | 44,40 | 18,50 | 48,00 | 147,90 |
| MBPCX 40 | 250 | 62,80 | 170,10 | 295,80 | 44,40 | 18,50 | 59,20 | 147,90 |
| MBPCX45 | 280 | 66,60 | 181,20 | 318,00 | 44,40 | 18,50 | 66,60 | 147,90 |
| MBPCX50 | 315 | 74,00 | 188,60 | 336,50 | 103,50 | 59,20 | 81,40 | - |
| MBPCX56 | 400 | 92,40 | 266,20 | 395,70 | 103,50 | 59,20 | - | - |

FJ = Flexible joint/ Junta flexible DG = Diffusor with grid/ Difusor con rejilla CSC = Gravity shutter/ Compuerta sobrepresión circular AV = Anti-vibration mounts kit/ Kit soporte antivibración PD = Drain plug/ Tapón de drenaje RPI = Stainless protection grid/ Rejilla de protección inoxidable WS = Wall bracket/ Soporte para pared

AAX

ATEX high pressure with aluminium backward impeller

Ventilador con turbina de aluminio a reacción ATEX



ATEX OPTIONS UNDER REQUEST | OPCIONES ATEX BAJO DEMANDA

Three-phase MOTOR explosion-proof under the ATEX 2014/34/EU Directive for working temperatures from -20°C to +40°C.
MOTORES trifásicos antiexplosivos bajo Directiva ATEX 2014/34/UE para temperaturas de trabajo de -20°C a +40°C

- ATEX Explosion-proof for GAS | ATEX Antideflagrantes para GAS

ⓍII26 Ex-d IIB T4 IP66

ⓍII26 Ex-d IIC T4 IP66 (OPTIONAL PTC PROBE | SONDA PTC OPCIONAL)

ⓍII26 Ex-d IIC T5 IP66

- ATEX Increased security for GAS | ATEX Seguridad aumentada para GAS:

ⓍII26 Ex-e T3 IP55

- ATEX Protection "n" for GAS | ATEX Protección "n" para GAS:

ⓍII36 Ex-nA IIC T4 Gc

- ATEX Protection "n" for GAS and NON-CONDUCTIVE DUST |

ATEX Protección "n" para GAS y POLVO NO CONDUCTOR:

ⓍII36D Ex-nA IIC T4 Gc Ex-ic IIIB T125° IP55 ZONA 22

- ATEX Explosion-proof for GAS and DUST | ATEX Antideflagrantes para GAS y POLVO:

ⓍII26D Ex-d IIC T4 IP66

ⓍII26D Ex-d IIC T5 IP66

- ATEX Increased security for DUST | ATEX Seguridad aumentada para POLVO:

ⓍII30 Ex-e Dc

- ATEX Protection by enclosure for DRIVER DUST | ATEX Protección por recinto para POLVO CONDUCTOR:

ⓍII30D Ex-ic IIC T125° Dc IP55 ZONA 22

To carry out the selection of an ATEX fan, please use the curves that you will find in the Fanware by Casals selection software. The electrical data of these ATEX models can be modified.

Para llevar a cabo la selección de un ventilador ATEX, por favor use las curvas que encontrará en el programa de selección Fanware by Casals. Los datos eléctricos de estos Modelos ATEX pueden verse modificados.

MANUFACTURING FEATURES

- Rolling steel sheet housing.
- Fully welded housing.
- High efficiency simple inlet backward curved impeller made of cast aluminium.
- Protected against corrosion by powder coating of epoxy-polyester resin.
- Standard asynchronous squirrel-cage motor with IP-55 protection and class F insulation and ATEX certified: II2G Ex-d, Ex-e / II3GD Ex-nA. Standard voltages 230/400V 50Hz motors up to 4kW and 400/690V 50Hz for higher powers.
- Standard orientation: LG270.

APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, extraction or injection of air.
- Cooling of machines and parts.
- Clean air transport.
- Exhaust after filters, separators and cyclones.
- Pneumatic transport.
- Maximum working temperature: carried air 130°C, environment 60°C.

UNDER REQUEST

- 2 speed motors.
- Orientation: LG0, LG45, LG90, LG135, LG180. LG225, LG315.

CARACTERÍSTICAS CONSTRUCTIVAS

- Carcasa fabricada en chapa de acero laminado.
- Carcasa totalmente soldada.
- Turbina de álabes curvados hacia atrás (a reacción) de simple aspiración y alto rendimiento, fabricada en fundición de aluminio.
- Protegidos contra la corrosión mediante recubrimiento en polvo de resina epoxy-poliéster.
- Motor asíncrono ATEX normalizado de jaula de ardilla con protección IP-55, aislamiento clase F y certificación ATEX: II2G Ex-d, Ex-e / II3GD Ex-nA. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Orientación estándar: LG270.

APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Transporte de aire limpio.
- Aspiración después de filtros, separadores y ciclones.
- Transporte neumático.
- Temperatura máxima de trabajo en continuo: aire transportado 130°C, ambiente 60°C.

BAJO DEMANDA

- Motores de 2 velocidades.
- Orientación: LG0, LG45, LG90, LG135, LG180. LG225, LG315.

ACCESSORIES | ACCESORIOS



INT ATEX pg.434

Switch for ATEX environments. Interruptor para funcionar en entornos ATEX.



SFC pg.433

Frecuency speed controller. Variador de velocidad frecuencial.



RA pg.400

Inlet protection guard. Rejilla aspiración.



JE 45 pg.416

Flexible joint. Junta elástica.



SIL-C pg.426

Duct circular silencer. Silenciador circular conducto.



EI pg.412

Outlet flange. Embocadura impulsión.



BA-400 pg.416

Anti-vibrating flange 400º/2h. flexible. Brida antivibratoria 400º/2h.



FS pg.409

Front support for medium and high pressure fans. Pie soporte delantero para ventiladores de media y alta presión



AB pg.425

Acoustic cabins for Casals centrifugal fans. Cabinas acústicas para ventiladores centrífugos Casals



AVR pg.422

Anti-vibration rubber block. Amortiguador antivibrátil de caucho.



AVS pg.423

Spring anti-vibration blocks. Amortiguador de muelles.



RBS pg.400

Outlet protection guard. Rejilla de protección.



AC pg.411

Connexion flange. Brida de conexión.



BAD pg.416

Circular-Circular coupling flange. Brida de acoplamiento circular-circular.



RI pg.398

Outlet protection guard. Reja de protección.

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € Ex-nA | R.R.P. € Ex-e | R.R.P. € Ex-d |
|-------------|-------------------|--------|-------------|------|---------------|---------------|---------------|-----------|----------------|---------------|---------------|
| | | | 230V | 400V | | | | | | | |
| Código | Modelo | R.P.M. | I nom. (A) | | P Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € Ex-nA | P.V.P. € Ex-e | P.V.P. € Ex-d |
| | | | 230V | 400V | | | | | | | |
| 255170160XY | AAX 47 T2 1,1kW | 2800 | 4,05 | 2,33 | 1,1 | 520 | 64 | 49,5 | 1.824,00 | 1.959,20 | 2.163,60 |
| 255280160XY | AAX 53 T2 2,2kW | 2800 | 7,97 | 4,58 | 2,2 | 880 | 67 | 67 | 1.948,60 | 2.151,20 | 2.333,80 |
| 255350160XY | AAX 59 T2 2,2kW | 2800 | 7,97 | 4,58 | 2,2 | 580 | 69 | 70 | 2.123,70 | 2.326,50 | 2.508,80 |
| 255350163XY | AAX 59 T2 3kW | 2870 | 10,3 | 5,92 | 3 | 890 | 69 | 77 | 2.377,70 | 2.566,60 | 2.883,90 |
| 255450160XY | AAX 66 T2 4kW | 2890 | 13,3 | 7,63 | 4 | 900 | 72 | 82 | 2.894,70 | 3.365,10 | 3.509,90 |
| 255500160XY | AAX 70 T2 5,5kW | 2900 | - | 10,6 | 5,5 | 1.030 | 77 | 118,5 | 3.359,20 | 3.532,20 | 4.108,10 |
| 255510160XY | AAX 70 T2 7,5kW | 2900 | - | 14,1 | 7,5 | 1.790 | 78 | 125 | 3.490,70 | 3.678,40 | 4.375,90 |
| 255120106XY | AAX 45/5 T2 2,2kW | 2800 | 7,97 | 4,58 | 2,2 | 1.680 | 83 | 62,5 | 1.905,80 | 2.108,50 | 2.291,10 |
| 255120120XY | AAX 45/5 T2 3kW | 2870 | 10,3 | 5,92 | 3 | 2.760 | 83 | 69,5 | 2.219,70 | 2.408,40 | 2.725,70 |
| 255150106XY | AAX 50/5 T2 4kW | 2890 | 13,3 | 7,63 | 4 | 2.930 | 86 | 79 | 2.957,50 | 3.428,10 | 3.572,80 |
| 255150120XY | AAX 50/5 T2 5,5kW | 2900 | - | 10,6 | 5,5 | 4.650 | 87 | 92 | 3.629,20 | 3.802,20 | 4.378,20 |
| 255520120XY | AAX 60/7 T2 11kW | 2930 | - | 20,8 | 11 | 5.480 | 91 | 141 | 5.145,10 | 5.377,20 | 5.898,20 |

To place an order for an ATEX fan, you must replace the Y of the code with D if it is explosion-proof, with E if it is anti-explosive, or with N if it is non-sparking.

Para cursar un pedido de un ventilador ATEX se debe sustituir la Y del código por D si es antideflagrante, por E si es antiexplosivo, o por N si es antichispas.

NIMUS ATEX

ATEX centrifugal fan for clean or dusty air
Ventilador centrífugo, para aire limpio o polvoriento ATEX

ATEX OPTIONS UNDER REQUEST | OPCIONES ATEX BAJO DEMANDA

Three-phase MOTOR explosion-proof under the ATEX 2014/34/EU Directive for working temperatures from -20°C to +40°C.
MOTORES trifásicos antiexplosivos bajo Directiva ATEX 2014/34/UE para temperaturas de trabajo de -20°C a +40°C.

- ATEX Explosion-proof for GAS | ATEX Antidiflagrantes para GAS

⊕ I12G Ex-d IIB T4 IP66

⊕ I12G Ex-d IIC T4 IP66 (OPTIONAL PTC PROBE | Sonda PTC OPCIONAL)

⊕ I12G Ex-d IIC T5 IP66

- ATEX Increased security for GAS | ATEX Seguridad aumentada para GAS:

⊕ I12G Ex-e T3 IP55

- ATEX Protection "n" for GAS | ATEX Protección "n" para GAS:

⊕ I13G Ex-nA IIC T4 Gc

- ATEX Protection "n" for GAS and NON-CONDUCTIVE DUST |

ATEX Protección "n" para GAS y POLVO NO CONDUCTOR:

⊕ I13GD Ex-nA IIC T4 Gc Ex-ic IIB T125° IP55 ZONA 22

- ATEX Explosion-proof for GAS and DUST | ATEX Antidiflagrantes para GAS y POLVO:

⊕ I12GD Ex-d IIC T4 IP66

⊕ I12GD Ex-d IIC T5 IP66

- ATEX Increased security for DUST | ATEX Seguridad aumentada para POLVO:

⊕ I13D Ex-e Dc

- ATEX Protection by enclosure for DRIVER DUST | ATEX Protección por recinto

para POLVO CONDUCTOR:

⊕ I13D Ex-ic IIC T125° Dc IP55 ZONA 22

To carry out the selection of an ATEX fan, please use the curves that you will find in the Fanware by Casals selection software. The electrical data of these ATEX models can be modified.

Para llevar a cabo la selección de un ventilador ATEX, por favor use las curvas que encontrará en el programa de selección Fanware by Casals. Los datos eléctricos de estos Modelos ATEX pueden verse modificados.

MANUFACTURING FEATURES

- Medium pressure centrifugal fan with direct coupling.
- Reinforced housing made of carbon laminated steel, protected against corrosion by powder coating polyester resin RAL 5010. Finish C3.
- Casing fully latched and adjustable.
- Self-cleaning impeller and reinforced impeller with high-performance backward (reaction) blades made of carbon laminated steel dynamically balanced to minimize noise and vibrations. Black painted RAL 9005
- Squirrel cage standardized asynchronous IEC motor with IP-55 protection and class F electrical insulation. Standard voltages 230/400V 50Hz for three-phase motors up to 4kW and 400/690V 50Hz for higher powers. ATEX certified ATEX: I12G Ex-d, Ex-e / I13GD Ex-nA.
- Motor with feet (B3) supported on motor support foot.
- Models of size 500 and above are supplied with a front support foot, for the other models the front support foot is optional.
- Available in the following orientations (to be indicated in case of order): LG0, LG45, LG90, LG135, LG180; LG225, LG270, LG315, RD0, RD45, RD90, RD135, RD180; RD225, RD270, RD315.
- Maximum continuous working temperature: air transported: 130°C, environment 60°C.

APPLICATIONS

Suitable for moving clean or dusty air. Designed to be installed in conduit for suction or impulsion.

- Paint booths
- Collection of dust
- Food industry dryers
- Food processing
- Incineration
- Odor control in industry
- Indoor / outdoor pollution control
- Big buildings
- Malls
- Factories / Industrial buildings
- Warehouses
- Extraction of smoke
- Boilers and ovens
- Manufacture and treatment of chemical products.
- Tunnels, underground stations.

UNDER REQUEST

- Fans for special voltages.
- 2 speed motor.
- C4 or C5 coating painting.
- Hot dip galvanized.
- Inox 304 (normal or electropolished finish).
- Inox 316 (normal or electropolished finish).
- Cooling wheel.
- Anticorrosive paint.
- Fully welded housing (waterproof).
- Inspection door to facilitate maintenance and cleaning.
- Drain plug.
- Airtight axle.
- Other brands of motors.

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador centrífugo de media presión con acoplamiento directo.
- Carcasa reforzada fabricada en acero laminado al carbono, protegida contra la corrosión mediante recubrimiento de polvo de resina poliéster de color RAL 5010. Acabado C3.
- Carcasa totalmente engatillada y orientable.
- Turbina autolimpiante y rodete reforzado de álabes hacia atrás (a reacción) de alto rendimiento fabricado en acero laminado al carbono equilibrado dinámicamente para minimizar el ruido y las vibraciones. Pintada de color negro RAL 9005.
- Motor IEC asínrono normalizado de jaula de ardilla con protección IP-55 y aislamiento eléctrico clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores. Certificación ATEX: I12G Ex-d, Ex-e / I13GD Ex-nA.
- Motor con patas (B3) soportado sobre pie soporte motor.
- Los Modelos de tamaño 500 y superiores se suministran con pie soporte delantero, para el resto de Modelos el pie soporte delantero es opcional.
- Disponible en las siguientes orientaciones (a indicar en caso de pedido): LG0, LG45, LG90, LG135, LG180; LG225, LG270, LG315, RD0, RD45, RD90, RD135, RD180; RD225, RD270, RD315.
- Temperatura máxima de trabajo en continuo: aire transportado 130°C, ambiente 60°C.

APLICACIONES

Adecuados para mover aire limpio o polvoriento. Diseñados para instalarse en conducto para la aspiración o la impulsión:

- Cabinas de pintura.
- Recogida de polvo.
- Secadores de la industria alimenticia.
- Procesamiento de alimentos.
- Incineración.
- Control de olores en industria.
- Control de polución interior/exterior.
- Grandes edificios.
- Centros comerciales.
- Fábricas / Naves industriales.
- Almacenes.
- Extracción de humos.
- Calderas y hornos.
- Fabricación y tratamiento de productos químicos.
- Túneles, estaciones subterráneas.

BAJO DEMANDA

- Ventiladores para voltajes especiales.
- Motor 2 velocidades.
- Acabado pintura C4-C5.
- Galvanizado en caliente.
- Inox 304 (acabado normal o electropulido).
- Inox 316 (acabado normal o electropulido).
- Rodete de refrigeración.
- Pintura anticorrosiva.
- Carcasa totalmente soldada (estanca).
- Puerta inspección para facilitar el mantenimiento y la limpieza.
- Drenaje.
- Eje estanco.
- Otras marcas de motores.

ACCESSORIES | ACCESORIOS



INT ATEX pg.434
Switch for ATEX environments.
Interruptor para funcionar en entornos ATEX.



SFC pg.433
Frequency speed controller.
Variador de velocidad frecuencial.



RA pg.400
Inlet protection guard.
Rejilla aspiración.



AC pg.411
Connexion flange.
Brida de conexión.



JE 45 pg.416
Flexible joint.
Junta elástica.



AVR pg.422
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



EIS pg.414
Outlet flange.
Embocadura impulsión.



BADS ATEX pg.417
Coupling flange form Storm.
Brida antivibratoria circular-circular ATEX para Storm.



AVS pg.423
Spring anti-vibration blocks.
Amortiguador de muelles.



RIS pg.399
Outlet guard.
Reja de impulsión.



BIDS ATEX pg.418
Rectangular-Rectangular anti-vibration flange for Storm.
Brida antivibratoria rectangular-rectangular para Storm.



SIL-C pg.426
Duct circular silencer.
Silenciador circular conducto.



FS pg.409
Front support for medium and high pressure fans
Pie soporte delantero para ventiladores de media y alta presión



AB pg.425
Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrifugos Casals



BA-400 pg.416
Anti-vibrating flange 400º/2h. flexible.
Brida antivibratoria 400º/2h.

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | R.P.M. | Rated I (A) 400V | Rat.. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € Ex-nA | R.R.P. € Ex-e | R.R.P. € Ex-d |
|--------------|--------------------------|--------|------------------|----------------|---------------|---------------|-----------|----------------|---------------|---------------|
| Código | Modelo | R.P.M. | I nom. (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € Ex-nA | P.V.P. € Ex-e | P.V.P. € Ex-d |
| NS311280XY | NIMUS 311 T2 1,1kW ATEX | 2800 | 2,33 | 1,1 | 4.710 | 58 | 56 | 1.360,90 | 1.558,70 | 1.746,00 |
| NS312280XY | NIMUS 312 T2 1,1kW ATEX | 2800 | 2,33 | 1,1 | 4.960 | 59 | 58 | 1.367,10 | 1.564,90 | 1.752,30 |
| NS351290XY | NIMUS 351 T2 2,2kW ATEX | 2840 | 4,58 | 2,2 | 6.750 | 62 | 85 | 1.646,20 | 1.959,90 | 2.135,10 |
| NS352290XY | NIMUS 352 T2 2,2kW ATEX | 2840 | 4,58 | 2,2 | 7.100 | 63 | 88 | 1.654,40 | 1.968,20 | 2.143,40 |
| NS4012100XY | NIMUS 401 T2 3kW ATEX | 2880 | 5,92 | 3 | 9.650 | 66 | 109 | 2.017,90 | 2.369,60 | 2.674,20 |
| NS4022112XY | NIMUS 402 T2 4kW ATEX | 2880 | 7,63 | 4 | 10.160 | 67 | 117 | 2.180,60 | 2.893,20 | 3.032,20 |
| NS4512132XY | NIMUS 451 T2 7,5kW ATEX | 2910 | 14,1 | 7,5 | 13.740 | 69 | 153 | 2.759,30 | 3.526,70 | 4.196,50 |
| NS4522132XY | NIMUS 452 T2 7,5kW ATEX | 2910 | 14,1 | 7,5 | 14.460 | 70 | 156 | 2.991,90 | 3.759,10 | 4.429,10 |
| NS5012160XY | NIMUS 501 T2 11kW ATEX | 2940 | 20,8 | 11 | 18.850 | 73 | 185 | 4.171,10 | 5.225,60 | 5.725,80 |
| NS5022160XY | NIMUS 502 T2 11kW ATEX | 2940 | 20,8 | 11 | 19.840 | 73 | 189 | 4.185,90 | 5.240,40 | 5.740,60 |
| NS311471XY | NIMUS 311 T4 0,37kW ATEX | 1400 | 1,07 | 0,37 | 2.360 | 43 | 46 | 1.273,60 | 1.399,90 | 1.624,80 |
| NS312471XY | NIMUS 312 T4 0,37kW ATEX | 1400 | 1,07 | 0,37 | 2.480 | 44 | 48 | 1.280,20 | 1.406,50 | 1.631,50 |
| NS351471XY | NIMUS 351 T4 0,37kW ATEX | 1400 | 1,07 | 0,37 | 3.370 | 47 | 66 | 1.392,60 | 1.519,00 | 1.743,90 |
| NS352471XY | NIMUS 352 T4 0,37kW ATEX | 1400 | 1,07 | 0,37 | 3.550 | 48 | 69 | 1.400,90 | 1.527,20 | 1.752,20 |
| NS401480XY | NIMUS 401 T4 0,55kW ATEX | 1400 | 1,49 | 0,55 | 4.830 | 51 | 79 | 1.636,30 | 1.769,50 | 1.979,20 |
| NS402480XY | NIMUS 402 T4 0,55kW ATEX | 1400 | 1,49 | 0,55 | 5.080 | 51 | 82 | 1.645,70 | 1.778,90 | 1.988,50 |
| NS451480XY | NIMUS 451 T4 0,75kW ATEX | 1410 | 1,63 | 0,75 | 6.870 | 54 | 95 | 1.815,00 | 1.952,60 | 2.159,80 |
| NS452490XY | NIMUS 452 T4 1,1kW ATEX | 1450 | 2,49 | 1,1 | 7.230 | 55 | 106 | 1.886,20 | 2.069,20 | 2.247,40 |
| NS501490XY | NIMUS 501 T4 1,5kW ATEX | 1440 | 3,26 | 1,5 | 9.420 | 57 | 122 | 2.128,60 | 2.318,60 | 2.572,10 |
| NS502490XY | NIMUS 502 T4 1,5kW ATEX | 1440 | 3,26 | 1,5 | 9.920 | 58 | 126 | 2.140,70 | 2.330,70 | 2.584,20 |
| NS5614100XY | NIMUS 561 T4 2,2kW ATEX | 1435 | 4,64 | 2,2 | 13.240 | 61 | 154 | 2.757,30 | 3.018,60 | 3.410,70 |
| NS5624100XY | NIMUS 562 T4 3kW ATEX | 1420 | 6,17 | 3 | 13.940 | 62 | 158 | 2.826,50 | 3.099,60 | 3.578,30 |
| NS6314112XY | NIMUS 631 T4 4kW ATEX | 1440 | 8,32 | 4 | 18.850 | 65 | 201 | 3.362,90 | 3.785,60 | 4.371,00 |
| NS6324132XY | NIMUS 632 T4 5,5kW ATEX | 1460 | 10,5 | 5,5 | 19.850 | 65 | 237 | 3.683,60 | 4.542,60 | 4.931,80 |
| NS7114132XY | NIMUS 711 T4 7,5kW ATEX | 1455 | 14,1 | 7,5 | 26.980 | 68 | 308 | 4.224,20 | 5.069,60 | 5.674,30 |
| NS7124132XY | NIMUS 712 T4 9,2kW ATEX | 1465 | 17,4 | 9,2 | 28.410 | 69 | 330 | 5.143,20 | 6.012,80 | 6.481,50 |
| NS8014160XY | NIMUS 801 T4 15kW ATEX | 1465 | 29,8 | 15 | 38.600 | 72 | 430 | 6.328,70 | 7.886,90 | 8.857,70 |
| NS8024160XY | NIMUS 802 T4 15kW ATEX | 1465 | 29,8 | 15 | 40.640 | 73 | 440 | 6.356,20 | 7.914,40 | 8.885,30 |
| NS9014200XY | NIMUS 901 T4 30kW ATEX | 1475 | 56,3 | 30 | 54.960 | 75 | 748 | 8.872,60 | 14.296,50 | 15.169,40 |
| NS9024200XY | NIMUS 902 T4 30kW ATEX | 1475 | 56,3 | 30 | 57.860 | 76 | 758 | 8.911,20 | 14.335,20 | 15.208,00 |
| NS10014225XY | NIMUS 1001 T4 45kW ATEX | 1475 | 80,7 | 45 | 75.390 | 79 | 1.083 | 11.487,30 | 19.347,20 | 20.585,40 |
| NS10024225XY | NIMUS 1002 T4 45kW ATEX | 1475 | 80,7 | 45 | 79.370 | 79 | 1.093 | 11.536,50 | 19.396,50 | 20.634,80 |
| NS501680XY | NIMUS 501 T6 0,37kW ATEX | 900 | 1,27 | 0,37 | 6.280 | 49 | 109 | 2.050,10 | 2.183,70 | 2.338,40 |
| NS502680XY | NIMUS 502 T6 0,55kW ATEX | 900 | 1,8 | 0,55 | 6.610 | 49 | 114 | 2.101,70 | 2.228,90 | 2.370,00 |
| NS561690XY | NIMUS 561 T6 0,75kW ATEX | 925 | 1,95 | 0,75 | 8.830 | 52 | 139 | 2.594,70 | 2.820,90 | 2.967,90 |
| NS562690XY | NIMUS 562 T6 0,75kW ATEX | 925 | 1,95 | 0,75 | 9.290 | 53 | 143 | 2.609,20 | 2.835,40 | 2.982,40 |
| NS6316100XY | NIMUS 631 T6 1,5kW ATEX | 940 | 3,71 | 1,5 | 12.570 | 56 | 194 | 3.164,70 | 3.787,40 | 3.942,30 |
| NS6326100XY | NIMUS 632 T6 1,5kW ATEX | 940 | 3,71 | 1,5 | 13.230 | 57 | 199 | 3.182,60 | 3.805,30 | 3.960,20 |
| NS7116112XY | NIMUS 711 T6 2,2kW ATEX | 965 | 5,94 | 2,2 | 17.990 | 59 | 278 | 3.603,40 | 4.480,70 | 4.590,50 |
| NS7126132XY | NIMUS 712 T6 3kW ATEX | 960 | 7,3 | 3 | 18.940 | 60 | 302 | 4.030,10 | 5.428,80 | 5.636,60 |
| NS8016132XY | NIMUS 801 T6 4kW ATEX | 960 | 9,46 | 4 | 25.730 | 63 | 368 | 4.770,60 | 6.310,20 | 6.393,10 |
| NS8026132XY | NIMUS 802 T6 5,5kW ATEX | 960 | 12,8 | 5,5 | 27.090 | 64 | 382 | 4.964,20 | 6.568,00 | 6.626,80 |
| NS9016160XY | NIMUS 901 T6 7,5kW ATEX | 965 | 15,2 | 7,5 | 36.640 | 67 | 610 | 7.035,80 | 9.582,40 | 9.725,70 |
| NS9026160XY | NIMUS 902 T6 11kW ATEX | 975 | 18,2 | 11 | 38.570 | 67 | 660 | 7.428,10 | 9.973,40 | 10.204,10 |
| NS10016180XY | NIMUS 1001 T6 15kW ATEX | 970 | 27,7 | 15 | 50.260 | 70 | 890 | 9.558,70 | 14.222,60 | 14.775,60 |
| NS10026180XY | NIMUS 1002 T6 15kW ATEX | 970 | 27,7 | 15 | 52.910 | 71 | 900 | 9.605,30 | 14.269,10 | 14.822,10 |
| NS8018132XY | NIMUS 801 T8 2,2kW ATEX | 700 | 5,44 | 2,2 | 19.300 | 56 | 338 | 5.373,50 | 6.291,80 | 6.408,90 |
| NS8028132XY | NIMUS 802 T8 2,2kW ATEX | 700 | 5,44 | 2,2 | 20.320 | 57 | 353 | 5.401,10 | 6.319,30 | 6.436,60 |
| NS9018132XY | NIMUS 901 T8 3kW ATEX | 700 | 7,23 | 3 | 27.480 | 60 | 580 | 6.592,70 | 7.590,10 | 7.668,10 |
| NS9028160XY | NIMUS 902 T8 4kW ATEX | 725 | 9,43 | 4 | 28.930 | 60 | 595 | 6.772,10 | 9.562,50 | 10.042,40 |
| NS10018160XY | NIMUS 1001 T8 5,5kW ATEX | 725 | 12,7 | 5,5 | 37.700 | 63 | 860 | 8.241,30 | 10.929,80 | 11.443,20 |
| NS10028160XY | NIMUS 1002 T8 5,5kW ATEX | 725 | 12,7 | 5,5 | 39.680 | 64 | 875 | 8.287,60 | 10.976,10 | 11.489,30 |

To place an order for an ATEX fan, you must replace the Y of the code with D if it is explosion-proof, with E if it is anti-explosive, or with N if it is non-sparking. Para cursar un pedido de un ventilador ATEX se debe sustituir la Y del código por D si es antideflagrante, por E si es antiexplosivo, o por N si es antichispas.

NIMAX ATEX



ATEX OPTIONS UNDER REQUEST | OPCIONES ATEX BAJO DEMANDA

Three-phase MOTOR explosion-proof under the ATEX 2014/34/EU Directive for working temperatures from -20°C to +40°C.

MOTORES trifásicos antiexplosivos bajo Directiva ATEX 2014/34/UE para temperaturas de trabajo de -20°C a +40°C.

- ATEX Explosion-proof for GAS | ATEX Antideflagrantes para GAS

⊕ I12G Ex-d IIB T4 IP66

⊕ I12G Ex-d IIC T4 IP66 (OPTIONAL PTC PROBE | SONDA PTC OPCIONAL)

⊕ I12G Ex-d IIC T5 IP66

- ATEX Increased security for GAS | ATEX Seguridad aumentada para GAS:

⊕ I12G Ex-e T3 IP55

- ATEX Protection "n" for GAS | ATEX Protección "n" para GAS:

⊕ I13G Ex-nA IIC T4 Gc

- ATEX Protection "n" for GAS and NON-CONDUCTIVE DUST |

ATEX Protección "n" para GAS y POLVO NO CONDUCTOR:

⊕ I13GD Ex-na IIC T4 Gc Ex-tc IIB T125° IP55 ZONA 22

- ATEX Explosion-proof for GAS and DUST | ATEX Antideflagrantes para GAS y POLVO:

⊕ I12GD Ex-d IIC T4 IP66

⊕ I12GD Ex-d IIC T5 IP66

- ATEX Increased security for DUST | ATEX Seguridad aumentada para POLVO:

⊕ I13D Ex-e Dc

- ATEX Protection by enclosure for DRIVER DUST | ATEX Protección por recinto

para POLVO CONDUCTOR:

⊕ I13D Ex-tc IIC T125° Dc IP55 ZONA 22

To carry out the selection of an ATEX fan, please use the curves that you will find in the Fanware by Casals selection software. The electrical data of these ATEX models can be modified.

Para llevar a cabo la selección de un ventilador ATEX, por favor use las curvas que encontrará en el programa de selección Fanware by Casals. Los datos eléctricos de estos Modelos ATEX pueden verse modificados.

Centrifugal fan with backward impeller with feet ATEX

Ventilador centrífugo, para aire limpio o polvoriento ATEX

MANUFACTURING FEATURES

- Medium pressure centrifugal fan with direct coupling.
- Reinforced housing made of carbon laminated steel, protected against corrosion by powder coating polyester resin RAL 5010. Finish C3.
- Casing fully latched and adjustable.
- Self-cleaning impeller and reinforced impeller with high-performance backward (reaction) blades made of carbon laminated steel dynamically balanced to minimize noise and vibrations. Black painted RAL 9005.
- The size of the centrifugal impeller and casing is larger than a NIMUS ATEX, which increases the performance of the unit.
- Squirrel cage standardized asynchronous IEC motor with IP-55 protection and class F electrical insulation. Standard voltages 230/400V 50Hz for three-phase motors up to 4kW and 400/690V 50Hz for higher powers. ATEX certified ATEX: II2G Ex-d, Ex-e / II3GD Ex-nA.
- Motor with feet (B3) supported on motor support foot.
- Models of size 500 and above are supplied with a front support foot, for the other models the front support foot is optional.
- Available in the following orientations (to be indicated in case of order): LG0, LG45, LG90, LG135, LG180; LG225, LG270, LG315, RD0, RD45, RD90, RD135, RD180; RD225, RD270, RD315.
- Maximum continuous working temperature: air transported: 130°C, environment 60°C.

APPLICATIONS

Suitable for moving clean or dusty air. Designed to be installed in conduit for suction or impulsion.

- Paint booths.
- Collection of dust.
- Food industry dryers.
- Food processing.
- Incineration.
- Odor control in industry.
- Indoor / outdoor pollution control.
- Big buildings.
- Malls.
- Factories / Industrial buildings.
- Warehouses.
- Extraction of smoke.
- Boilers and ovens.
- Manufacture and treatment of chemical products.
- Tunnels, underground stations.

UNDER REQUEST

- Fans for special voltages.
- 2 speed motor.
- C4 or C5 coating painting.
- Hot dip galvanized.
- Inox 304 (normal or electropolished finish).
- Inox 316 (normal or electropolished finish).
- Cooling wheel.
- Anticorrosive paint.
- Fully welded housing (waterproof).
- Inspection door to facilitate maintenance and cleaning.
- Drain plug.
- Airtight axle.
- Other brands of motors.

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador centrífugo de media presión con acoplamiento directo.
- Carcasa reforzada fabricada en acero laminado al carbono, protegida contra la corrosión mediante recubrimiento de polvo de resina poliéster de color RAL 5010. Acabado C3.
- Carcasa totalmente engatillada y orientable.
- Turbina autolimpiante y rodete reforzado de álabes hacia atrás (a reacción) de alto rendimiento fabricado en acero laminado al carbono equilibrado dinámicamente para minimizar el ruido y las vibraciones. Pintada de color negro RAL 9005.
- El tamaño de la turbina centrífuga y la caja de viento es de mayores dimensiones que un NIMUS ATEX, con lo que se consigue incrementar las prestaciones de la máquina.
- Motor IEC asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento eléctrico clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores. Certificación ATEX: II2G Ex-d, Ex-e / II3GD Ex-nA.
- Motor con patas (B3) soportado sobre pie soporte motor.
- Los Modelos de tamaño 500 y superiores se suministran con pie soporte delantero, para el resto de Modelos el pie soporte delantero es opcional.
- Disponible en las siguientes orientaciones (a indicar en caso de pedido): LG0, LG45, LG90, LG135, LG180; LG225, LG270, LG315, RD0, RD45, RD90, RD135, RD180; RD225, RD270, RD315.
- Temperatura máxima de trabajo en continuo: aire transportado 130°C, ambiente 60°C.

APLICACIONES

Adecuados para mover aire limpio o polvoriento. Diseñados para instalarse en conducto para la aspiración o la impulsión.

- Cabinas de pintura
- Recogida de polvo
- Secadores de la industria alimenticia
- Procesamiento de alimentos
- Incineración
- Control de olores en industria
- Control de polución interior/externo
- Grandes edificios
- Centros comerciales
- Fábricas / Naves industriales
- Almacenes
- Extracción de humos
- Calderas y hornos
- Fabricación y tratamiento de productos químicos.
- Túneles, estaciones subterráneas.

BAJO DEMANDA

- Ventiladores para voltajes especiales.
- Motor 2 velocidades.
- Acabado pintura C4-C5
- Galvanizado en caliente
- Inox 304 (acabado normal o electropolido).
- Inox 316 (acabado normal o electropolido).
- Rodete de refrigeración.
- Pintura anticorrosiva.
- Carcasa totalmente soldada (estanca).
- Puerta inspección para facilitar el mantenimiento y la limpieza.
- Drenaje.
- Eje estanco.
- Otras marcas de motores.

ACCESSORIES | ACCESORIOS

INT ATEX pg.434
Switch for ATEX environments.
Interruptor para funcionar en entornos ATEX.

SFC pg.433
Frequency speed controller.
Variador de velocidad frecuencial.

RA pg.400
Inlet protection guard.
Rejilla aspiración.

AC pg.411
Connexion flange.
Brida de conexión.

JE 45 pg.416
Flexible joint.
Junta elástica.

AVR pg.422
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.

EIS pg.414
Outlet flange.
Embocadura impulsión.

BADS ATEX pg.417
Coupling flange form Storm.
Brida antivibratoria circular-circular ATEX para Storm.

AVS pg.423
Spring anti-vibration blocks.
Amortiguador de muelles.

RIS pg.399
Outlet guard.
Reja de impulsión.

BIDS ATEX pg.418
Rectangular-Rectangular anti-vibration flange for Storm.
Brida antivibratoria rectangular-rectangular para Storm.

SIL-C pg.426
Duct circular silencer.
Silenciador circular conducto.

FS pg.409
Front support for medium and high pressure fans
Pie soporte delantero para ventiladores de media y alta presión

AB pg.425
Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrifugos Casals

BA-400 pg.416
Anti-vibrating flange 400°/2h. flexible.
Brida antivibratoria 400°/2h.

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | R.P.M. | Rated I (A) 400V | Rated Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € Ex-nA | R.R.P. € Ex-e | R.R.P. € Ex-d |
|--------------|---------------------------|--------|------------------|----------------|---------------|---------------|-----------|----------------|---------------|---------------|
| Código | Modelo | R.P.M. | I nom. (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € Ex-nA | P.V.P. € Ex-e | P.V.P. € Ex-d |
| NX313290XY | NIMAX 313 T2 1,5kW ATEX | 2865 | 3,14 | 1,5 | 5.240 | 60 | 68 | 1.380,70 | 1.705,80 | 1.804,80 |
| NX314290XY | NIMAX 314 T2 1,5kW ATEX | 2865 | 3,14 | 1,5 | 5.500 | 60 | 70 | 1.386,90 | 1.712,00 | 1.811,00 |
| NX353290XY | NIMAX 353 T2 2,2kW ATEX | 2840 | 4,58 | 2,2 | 7.500 | 63 | 91 | 1.662,70 | 1.976,40 | 2.151,70 |
| NX3542100XY | NIMAX 354 T2 3kW ATEX | 2880 | 5,92 | 3 | 7.870 | 64 | 108 | 1.847,50 | 2.199,20 | 2.503,80 |
| NX4032112XY | NIMAX 403 T2 4kW ATEX | 2880 | 7,63 | 4 | 10.730 | 67 | 120 | 2.190,40 | 2.902,90 | 3.041,90 |
| NX4042132XY | NIMAX 404 T2 5,5kW ATEX | 2910 | 10,6 | 5,5 | 11.260 | 67 | 147 | 2.763,30 | 3.457,30 | 4.010,40 |
| NX4532132XY | NIMAX 453 T2 7,5kW ATEX | 2910 | 14,1 | 7,5 | 15.280 | 70 | 159 | 3.044,30 | 3.811,60 | 4.481,40 |
| NX4542132XY | NIMAX 454 T2 9,2kW ATEX | 2930 | 16,6 | 9,2 | 16.040 | 71 | 179 | 3.877,80 | 4.702,30 | 4.831,40 |
| NX5032160XY | NIMAX 503 T2 15kW ATEX | 2935 | 27,4 | 15 | 20.960 | 74 | 208 | 4.341,10 | 5.741,60 | 6.926,60 |
| NX5042160XY | NIMAX 504 T2 15kW ATEX | 2935 | 27,4 | 15 | 22.000 | 74 | 212 | 4.355,90 | 5.756,40 | 6.941,40 |
| NX313471XY | NIMAX 313 T4 0,37kW ATEX | 1400 | 1,07 | 0,37 | 2.620 | 45 | 50 | 1.286,40 | 1.412,70 | 1.637,70 |
| NX314471XY | NIMAX 314 T4 0,37kW ATEX | 1400 | 1,07 | 0,37 | 2.750 | 45 | 52 | 1.292,90 | 1.419,20 | 1.644,20 |
| NX353471XY | NIMAX 353 T4 0,37kW ATEX | 1400 | 1,07 | 0,37 | 3.750 | 48 | 72 | 1.408,10 | 1.534,50 | 1.759,40 |
| NX354471XY | NIMAX 354 T4 0,37kW ATEX | 1400 | 1,07 | 0,37 | 3.940 | 49 | 75 | 1.415,80 | 1.542,00 | 1.767,10 |
| NX403480XY | NIMAX 403 T4 0,55kW ATEX | 1400 | 1,49 | 0,55 | 5.370 | 52 | 85 | 1.654,60 | 1.787,90 | 1.997,60 |
| NX404480XY | NIMAX 404 T4 0,55kW ATEX | 1400 | 1,49 | 0,55 | 5.630 | 52 | 88 | 1.663,20 | 1.796,40 | 2.006,10 |
| NX453490XY | NIMAX 453 T4 1,1kW ATEX | 1450 | 2,49 | 1,1 | 7.640 | 55 | 109 | 1.896,10 | 2.079,20 | 2.257,40 |
| NX454490XY | NIMAX 454 T4 1,1kW ATEX | 1450 | 2,49 | 1,1 | 8.020 | 56 | 112 | 1.906,50 | 2.089,60 | 2.267,80 |
| NX503490XY | NIMAX 503 T4 1,5kW ATEX | 1440 | 3,26 | 1,5 | 10.480 | 59 | 130 | 2.153,10 | 2.343,10 | 2.596,60 |
| NX5044100XY | NIMAX 504 T4 2,2kW ATEX | 1435 | 4,64 | 2,2 | 11.000 | 59 | 146 | 2.315,10 | 2.576,30 | 2.968,50 |
| NX5634100XY | NIMAX 563 T4 3kW ATEX | 1420 | 6,17 | 3 | 14.730 | 62 | 162 | 2.841,70 | 3.114,80 | 3.593,50 |
| NX5644100XY | NIMAX 564 T4 3kW ATEX | 1420 | 6,17 | 3 | 15.460 | 63 | 166 | 2.857,20 | 3.130,40 | 3.609,00 |
| NX6334132XY | NIMAX 633 T4 5,5kW ATEX | 1460 | 10,5 | 5,5 | 20.970 | 66 | 242 | 3.701,50 | 4.560,50 | 4.949,70 |
| NX6344132XY | NIMAX 634 T4 5,5kW ATEX | 1460 | 10,5 | 5,5 | 22.010 | 66 | 247 | 3.987,50 | 4.846,60 | 5.235,80 |
| NX7134132XY | NIMAX 713 T4 9,2kW ATEX | 1465 | 17,4 | 9,2 | 30.010 | 69 | 335 | 5.165,30 | 6.034,90 | 6.503,50 |
| NX7144160XY | NIMAX 714 T4 11kW ATEX | 1455 | 21,2 | 11 | 31.500 | 70 | 355 | 5.298,90 | 6.587,20 | 7.660,00 |
| NX8034180XY | NIMAX 803 T4 18,5kW ATEX | 1470 | 35,6 | 18,5 | 42.930 | 73 | 520 | 6.522,10 | 10.426,20 | 10.748,40 |
| NX8044180XY | NIMAX 804 T4 18,5kW ATEX | 1470 | 35,6 | 18,5 | 45.060 | 73 | 530 | 6.549,70 | 10.453,80 | 10.775,90 |
| NX9034200XY | NIMAX 903 T4 30kW ATEX | 1475 | 56,3 | 30 | 61.130 | 76 | 768 | 8.949,90 | 14.373,80 | 15.246,60 |
| NX9044225XY | NIMAX 904 T4 37kW ATEX | 1470 | 69,2 | 37 | 64.160 | 77 | 782 | 9.702,80 | 16.444,80 | 17.514,00 |
| NX10034250XY | NIMAX 1003 T4 55kW ATEX | 1475 | 97,1 | 55 | 83.850 | 80 | 1.184 | 13.128,70 | 22.733,80 | 24.280,30 |
| NX10044250XY | NIMAX 1004 T4 55kW ATEX | 1475 | 97,1 | 55 | 88.010 | 80 | 1.194 | 13.181,90 | 22.787,00 | 24.333,50 |
| NX503680XY | NIMAX 503 T6 0,55kW ATEX | 900 | 1,8 | 0,55 | 6.990 | 50 | 118 | 2.114,10 | 2.241,30 | 2.382,50 |
| NX504680XY | NIMAX 504 T6 0,55kW ATEX | 900 | 1,8 | 0,55 | 7.330 | 50 | 122 | 2.126,10 | 2.253,40 | 2.394,60 |
| NX563690XY | NIMAX 563 T6 1,1kW ATEX | 925 | 2,78 | 1,1 | 9.820 | 53 | 151 | 2.682,70 | 2.958,30 | 3.183,30 |
| NX564690XY | NIMAX 564 T6 1,1kW ATEX | 925 | 2,78 | 1,1 | 10.300 | 54 | 155 | 2.697,90 | 2.973,60 | 3.198,50 |
| NX6336100XY | NIMAX 633 T6 5,5kW ATEX | 940 | 3,71 | 1,5 | 13.980 | 57 | 204 | 3.200,90 | 3.823,60 | 3.978,50 |
| NX6346112XY | NIMAX 634 T6 2,2kW ATEX | 965 | 5,94 | 2,2 | 14.670 | 57 | 218 | 3.247,70 | 4.125,00 | 4.234,80 |
| NX7136132XY | NIMAX 713 T6 3kW ATEX | 960 | 7,3 | 3 | 20.010 | 60 | 307 | 4.052,40 | 5.451,20 | 5.659,10 |
| NX7146132XY | NIMAX 714 T6 3kW ATEX | 960 | 7,3 | 3 | 21.000 | 61 | 312 | 4.074,20 | 5.473,00 | 5.680,80 |
| NX8036132XY | NIMAX 803 T6 5,5kW ATEX | 960 | 12,8 | 5,5 | 28.620 | 64 | 392 | 4.991,80 | 6.595,60 | 6.654,40 |
| NX8046132XY | NIMAX 804 T6 5,5kW ATEX | 960 | 12,8 | 5,5 | 30.040 | 65 | 402 | 5.019,40 | 6.623,20 | 6.682,10 |
| NX9036160XY | NIMAX 903 T6 11kW ATEX | 975 | 18,2 | 11 | 40.750 | 68 | 670 | 7.984,90 | 10.530,20 | 10.760,90 |
| NX9046160XY | NIMAX 904 T6 11kW ATEX | 965 | 22,6 | 11 | 42.770 | 68 | 675 | 8.022,90 | 10.568,10 | 10.798,90 |
| NX10036180XY | NIMAX 1003 T6 15kW ATEX | 970 | 27,7 | 15 | 55.900 | 71 | 910 | 9.651,90 | 14.315,70 | 14.868,70 |
| NX10046200XY | NIMAX 1004 T6 18,5kW ATEX | 975 | 35,7 | 18,5 | 58.670 | 71 | 964 | 10.399,30 | 15.741,40 | 16.616,30 |
| NX8038132XY | NIMAX 803 T8 2,2kW ATEX | 700 | 5,44 | 2,2 | 21.470 | 57 | 368 | 5.428,80 | 6.346,90 | 6.464,10 |
| NX8048132XY | NIMAX 804 T8 2,2kW ATEX | 700 | 5,44 | 2,2 | 22.530 | 58 | 382 | 5.456,30 | 6.374,60 | 6.491,70 |
| NX9038160XY | NIMAX 903 T8 4kW ATEX | 725 | 9,43 | 4 | 30.560 | 61 | 610 | 6.810,10 | 9.600,30 | 10.080,40 |
| NX9048160XY | NIMAX 904 T8 4kW ATEX | 725 | 9,43 | 4 | 32.080 | 61 | 660 | 6.847,40 | 9.637,60 | 10.117,60 |
| NX10038160XY | NIMAX 1003 T8 7,5kW ATEX | 725 | 17 | 7,5 | 41.930 | 64 | 890 | 9.450,90 | 11.919,40 | 12.466,00 |
| NX10048160XY | NIMAX 1004 T8 7,5kW ATEX | 725 | 17 | 7,5 | 44.000 | 65 | 900 | 9.497,10 | 11.965,60 | 12.512,20 |

To place an order for an ATEX fan, you must replace the Y of the code with D if it is explosion-proof, with E if it is anti-explosive, or with N if it is non-sparking.
Para cursar un pedido de un ventilador ATEX se debe sustituir la Y del código por D si es antideflagrante, por E si es antiexplosivo, o por N si es antichispas.

PRESTUR ATEX

Medium pressure fan, backward impeller ATEX

Ventilador centrífugo, para aire limpio o polvoriento ATEX



ATEX OPTIONS UNDER REQUEST | OPCIONES ATEX BAJO DEMANDA

Three-phase MOTOR explosion-proof under the ATEX 2014/34/EU Directive for working temperatures from -20°C to +40°C.

MOTORES trifásicos antiexplosivos bajo Directiva ATEX 2014/34/UE para temperaturas de trabajo de -20°C a +40°C.

- ATEX Explosion-proof for GAS | ATEX Antideflagrantes para GAS

ⓧII2G Ex-d IIB T4 IP66

ⓧII2G Ex-d IIC T4 IP66 (OPTIONAL PTC PROBE | Sonda PTC OPCIONAL)

ⓧII2G Ex-d IIC T5 IP66

- ATEX Increased security for GAS | ATEX Seguridad aumentada para GAS:

ⓧII2G Ex-e T3 IP55

- ATEX Protection "n" for GAS | ATEX Protección "n" para GAS:

ⓧII3G Ex-nA IIC T4 Gc

- ATEX Protection "n" for GAS and NON-CONDUCTIVE DUST |

ATEX Protección "n" para GAS y POLVO NO CONDUCTOR:

ⓧII3GD Ex-na IIC T4 Gc Ex-tc IIB T125° IP55 ZONA 22

- ATEX Explosion-proof for GAS and DUST | ATEX Antideflagrantes para GAS y POLVO:

ⓧII2GD Ex-d IIC T4 IP66

ⓧII2GD Ex-d IIC T5 IP66

- ATEX Increased security for DUST | ATEX Seguridad aumentada para POLVO:

ⓧII3D Ex-e Dc

- ATEX Protection by enclosure for DRIVER DUST | ATEX Protección por recinto

para POLVO CONDUCTOR:

ⓧII3D Ex-tc IIC T125° Dc IP55 ZONA 22

To carry out the selection of an ATEX fan, please use the curves that you will find in the Fanware by Casals selection software. The electrical data of these ATEX models can be modified.

Para llevar a cabo la selección de un ventilador ATEX, por favor use las curvas que encontrará en el programa de selección Fanware by Casals. Los datos eléctricos de estos Modelos ATEX pueden verse modificados.

MANUFACTURING FEATURES

- Medium pressure centrifugal fan with direct coupling.
- Reinforced housing made of carbon laminated steel, protected against corrosion by powder coating polyester resin RAL 5010. Finish C3.
- Casing fully latched and adjustable.
- Self-cleaning impeller and reinforced impeller with high-performance backward (reaction) blades made of carbon laminated steel dynamically balanced to minimize noise and vibrations. Black painting RAL 9005.
- Squirrel cage standardized asynchronous IEC motor with IP-55 protection and class F electrical insulation. Standard voltages 230/400V 50Hz for three-phase motors up to 4kW and 400/690V 50Hz for higher powers. ATEX certified: II2G Ex-d, Ex-e / II3GD Ex-nA.
- Motor with flange (B5).
- Double suction flange.
- Available in the following guidelines (to be indicated in case of order): LG and RD.
- Maximum continuous working temperature: transported air: 130°C, environment 60°C.

APPLICATIONS

Suitable for moving clean or dusty air. Designed to be fixed in the double suction flange, with the motor in vertical position.

- Paint booths.
- Collection of dust.
- Food industry dryers.
- Food processing.
- Incineration.
- Indoor / outdoor pollution control.
- Big buildings.
- Malls.
- Factories / Industrial buildings.
- Warehouses.
- Extraction of smoke.
- Boilers and ovens.
- Manufacture and treatment of chemical products.
- Tunnels, underground stations.

UNDER REQUEST

- Fans for special voltages.
- 2 speed motor.
- C4 or C5 coating painting.
- Hot dip galvanized.
- Inox 304 (normal or electropolished finish).
- Inox 316 (normal or electropolished finish).
- Cooling wheel.
- Anticorrosive paint.
- Fully welded housing (waterproof).
- Inspection door to facilitate maintenance and cleaning.
- Drain plug.
- Airtight axle.
- Other brands of motors.

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador centrífugo de media presión con acoplamiento directo.
- Carcasa reforzada fabricada en acero laminado al carbono, protegida contra la corrosión mediante recubrimiento de polvo de resina poliéster de color RAL 5010. Acabado C3.
- Carcasa totalmente engatillada y orientable.
- Turbina autolimpiante y rodete reforzado de álabes hacia atrás (a reacción) de alto rendimiento fabricado en acero laminado al carbono equilibrado dinámicamente para minimizar el ruido y las vibraciones. Pintada de color negro RAL 9005.
- Motor IEC asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento eléctrico clase F. Voltajes estándar 230/400V 50 o 50Hz para motores trifásicos hasta 4kW y 400/690V 50 o 50Hz para potencias superiores. Certificación ATEX: II2G Ex-d, Ex-e / II3GD Ex-nA.
- Motor con brida (B5)
- Doble brida de aspiración
- Disponible en las siguientes orientaciones (a indicar en caso de pedido): LG y RD.
- Temperatura máxima de trabajo en continuo: aire transportado 130°C, ambiente 60°C.

APLICACIONES

Adecuados para mover aire limpio o polvoriento. Diseñados para ser fijados en la doble brida de aspiración, con el motor en posición vertical.

- Cabinas de pintura
- Recogida de polvo
- Secadores de la industria alimenticia
- Procesamiento de alimentos
- Incineración
- Control de olores en industria
- Control de polución interior/exterior
- Grandes edificios
- Centros comerciales
- Fábricas / Naves industriales
- Almacenes
- Extracción de humos
- Calderas y hornos
- Fabricación y tratamiento de productos químicos.
- Túneles, estaciones subterráneas.

BAJO DEMANDA

- Ventiladores para voltajes especiales.
- Motor 2 velocidades.
- Acabado pintura C4-C5.
- Galvanizado en caliente.
- Inox 304 (acabado normal o electropulido).
- Inox 316 (acabado normal o electropulido).
- Rodete de refrigeración.
- Pintura anticorrosiva.
- Carcasa totalmente soldada (estanca).
- Puerta inspección para facilitar el mantenimiento y la limpieza.
- Drenaje.
- Eje estanco.
- Otras marcas de motores.

ACCESSORIES | ACCESORIOS



INT ATEX pg.434

Switch for ATEX environments.
Interrupor para funcionar en entonos ATEX.



SFC pg.433

Frecuency speed controller.
Variador de velocidad frecuencial.



RA pg.400

Inlet protection guard.
Rejilla aspiración.



AC pg.411

Connexion flange.
Brida de connexion.



JE 45 pg.416

Flexible joint.
Junta elástica.



AVR pg.422

Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



EIS pg.414

Outlet flange.
Embocadura impulsión.



BADS ATEX pg.417

Coupling flange form Storm.
Brida antivibratoria circular-circular ATEX para Storm.



AVS pg.423

Spring anti-vibration blocks.
Amortiguador de muelles.



RIS pg.399

Outlet guard.
Reja de impulsión.



BIDS ATEX pg.418

Rectangular-Rectangular anti-vibration flange for Storm.
Brida antivibratoria rectangular-rectangular para Storm.



SIL-C pg.426

Duct circular silencer.
Silenciador circular conducto.



FS pg.409

Front support for medium and high pressure fans
Pie soporte delantero para ventiladores de media y alta presión



AB pg.425

Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrifugos Casals



BA-400 pg.416

Anti-vibrating flange 400º/2h. flexible.
Brida antivibratoria 400º/2h.



CPS pg.424

Elbow for STORM fans.
Codo para ventiladores STORM.

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | Rated I (A) 400V | Rat.. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € Ex-nA | R.R.P. € Ex-e | R.R.P. € Ex-d |
|-------------|----------------------------|------------------|----------------|---------------|---------------|-----------|----------------|---------------|---------------|
| Código | Modelo | I nom. (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € Ex-nA | P.V.P € Ex-e | P.V.P € Ex-d |
| PS311280XY | PRESTUR 311 T2 1,1kW ATEX | 2,33 | 1,1 | 4710 | 58 | 56 | 1.354,10 | 1.551,80 | 1.739,20 |
| PS312280XY | PRESTUR 312 T2 1,1kW ATEX | 2,33 | 1,1 | 4960 | 59 | 58 | 1.360,30 | 1.558,00 | 1.745,40 |
| PS351290XY | PRESTUR 351 T2 2,2kW ATEX | 4,58 | 2,2 | 6750 | 62 | 85 | 1.632,00 | 1.945,70 | 2.120,90 |
| PS352290XY | PRESTUR 352 T2 2,2kW ATEX | 4,58 | 2,2 | 7100 | 63 | 88 | 1.639,20 | 1.952,90 | 2.128,20 |
| PS4012100XY | PRESTUR 401 T2 3kW ATEX | 5,92 | 3 | 9650 | 66 | 109 | 2.016,20 | 2.367,90 | 2.672,50 |
| PS4022112XY | PRESTUR 402 T2 4kW ATEX | 7,63 | 4 | 10160 | 67 | 117 | 2.182,10 | 2.894,60 | 3.033,60 |
| PS311471XY | PRESTUR 311 T4 0,37kW ATEX | 1,07 | 0,37 | 2360 | 43 | 46 | 1.266,30 | 1.392,70 | 1.617,60 |
| PS312471XY | PRESTUR 312 T4 0,37kW ATEX | 1,07 | 0,37 | 2480 | 44 | 48 | 1.272,50 | 1.398,90 | 1.623,80 |
| PS351471XY | PRESTUR 351 T4 0,37kW ATEX | 1,07 | 0,37 | 3370 | 47 | 66 | 1.379,60 | 1.505,80 | 1.730,80 |
| PS352471XY | PRESTUR 352 T4 0,37kW ATEX | 1,07 | 0,37 | 3550 | 48 | 69 | 1.386,40 | 1.512,80 | 1.737,70 |
| PS401480XY | PRESTUR 401 T4 0,55kW ATEX | 1,49 | 0,55 | 4830 | 51 | 79 | 1.634,30 | 1.767,50 | 1.977,20 |
| PS402480XY | PRESTUR 402 T4 0,55kW ATEX | 1,49 | 0,55 | 5080 | 51 | 82 | 1.642,50 | 1.775,70 | 1.985,40 |
| PS451480XY | PRESTUR 451 T4 0,75kW ATEX | 1,63 | 0,75 | 6870 | 54 | 95 | 1.825,90 | 1.963,70 | 2.170,90 |
| PS452490XY | PRESTUR 452 T4 1,1kW ATEX | 2,49 | 1,1 | 7230 | 55 | 106 | 1.875,80 | 2.058,80 | 2.237,00 |
| PS501490XY | PRESTUR 501 T4 1,5kW ATEX | 3,26 | 1,5 | 9420 | 57 | 122 | 2.159,30 | 2.349,30 | 2.602,80 |
| PS502490XY | PRESTUR 502 T4 1,5kW ATEX | 3,26 | 1,5 | 9920 | 58 | 126 | 2.159,30 | 2.349,30 | 2.602,80 |
| PS5614100XY | PRESTUR 561 T4 2,2kW ATEX | 4,64 | 2,2 | 13240 | 61 | 154 | 2.616,30 | 2.877,50 | 3.269,70 |
| PS5624100XY | PRESTUR 562 T4 3kW ATEX | 6,17 | 3 | 13940 | 62 | 158 | 2.669,90 | 2.943,00 | 3.421,70 |
| PS6314112XY | PRESTUR 631 T4 4kW ATEX | 8,32 | 4 | 18850 | 65 | 201 | 3.257,80 | 3.680,40 | 4.265,80 |
| PS6324132XY | PRESTUR 632 T4 5,5kW ATEX | 10,5 | 5,5 | 19850 | 65 | 237 | 3.580,10 | 4.439,10 | 4.828,30 |
| PS7114132XY | PRESTUR 711 T4 7,5kW ATEX | 14,1 | 7,5 | 26980 | 68 | 308 | 4.066,20 | 4.911,60 | 5.516,20 |
| PS7124132XY | PRESTUR 712 T4 9,2kW ATEX | 17,4 | 9,2 | 28410 | 69 | 330 | 5.058,60 | - | 6.396,80 |
| PS7124160XY | PRESTUR 712 T4 11kW ATEX | 21,2 | 11 | 28410 | 69 | 330 | - | 6.045,40 | - |
| PS8014160XY | PRESTUR 801 T4 15kW ATEX | 29,8 | 15 | 38600 | 72 | 430 | 6.231,70 | 7.789,90 | 8.760,80 |
| PS8024160XY | PRESTUR 802 T4 15kW ATEX | 29,8 | 15 | 40640 | 73 | 440 | 6.257,30 | 7.815,50 | 8.786,30 |

To place an order for an ATEX fan, you must replace the Y of the code with D if it is explosion-proof, with E if it is anti-explosive, or with N if it is non-sparking.
Para cursar un pedido de un ventilador ATEX se debe sustituir la Y del código por D si es antideflagrante, por E si es antiexplosivo, o por N si es antichispas.

PREXTUR ATEX

Medium pressure fan, backward impeller, direct driven with ATEX

Ventilador centrífugo, para aire limpio o polvoriento ATEX



ATEX OPTIONS UNDER REQUEST | OPCIONES ATEX BAJO DEMANDA

Three-phase MOTOR explosion-proof under the ATEX 2014/34/EU Directive for working temperatures from -20°C to +40°C.

MOTORES trifásicos antiexplosivos bajo Directiva ATEX 2014/34/UE para temperaturas de trabajo de -20°C a +40°C.

- ATEX Explosion-proof for GAS | ATEX Antideflagrantes para GAS

⊕II2G Ex-d IIB T4 IP66

⊕II2G Ex-d IIC T4 IP66 (OPTIONAL PTC PROBE | SONDA PTC OPCIONAL)

⊕II2G Ex-d IIC T5 IP66

- ATEX Increased security for GAS | ATEX Seguridad aumentada para GAS:

⊕II2G Ex-e T3 IP55

- ATEX Protection "n" for GAS | ATEX Protección "n" para GAS:

⊕II3G Ex-nA IIC T4 Gc

- ATEX Protection "n" for GAS and NON-CONDUCTIVE DUST |

ATEX Protección "n" para GAS y POLVO NO CONDUCTOR:

⊕II3GD Ex-na IIC T4 Gc Ex-tc IIB T125° IP55 ZONA 22

- ATEX Explosion-proof for GAS and DUST | ATEX Antideflagrantes para GAS y POLVO:

⊕II2GD Ex-d IIC T4 IP66

⊕II2GD Ex-d IIC T5 IP66

- ATEX Increased security for DUST | ATEX Seguridad aumentada para POLVO:

⊕II3D Ex-e Dc

- ATEX Protection by enclosure for DRIVER DUST | ATEX Protección por recinto

para POLVO CONDUCTOR:

⊕II3D Ex-tc IIC T125° Dc IP55 ZONA 22

To carry out the selection of an ATEX fan, please use the curves that you will find in the Fanware by Casals selection software. The electrical data of these ATEX models can be modified.

Para llevar a cabo la selección de un ventilador ATEX, por favor use las curvas que encontrará en el programa de selección Fanware by Casals. Los datos eléctricos de estos Modelos ATEX pueden verse modificados.

MANUFACTURING FEATURES

- Medium pressure centrifugal fan with direct coupling.
- Reinforced housing made of carbon laminated steel, protected against corrosion by powder coating polyester resin RAL 5010. Finish C3.
- Casing fully latched and adjustable.
- Self-cleaning impeller and reinforced impeller with high-performance backward (reaction) blades made of carbon laminated steel dynamically balanced to minimize noise and vibrations. Black painting RAL 9005.
- The size of the centrifugal impeller and casing is larger than a PREXTUR ATEX, which increases the performance of the unit.
- Squirrel cage standardized asynchronous IEC motor with IP-55 protection and class F electrical insulation. Standard voltages 230/400V 50Hz for three-phase motors up to 4kW and 400/690V 50Hz for higher powers. ATEX certified: II2G Ex-d, Ex-e / II3GD Ex-nA.
- Motor with flange (B5).
- Double suction flange.
- Available in the following guidelines (to be indicated in case of order): LG and RD.
- Maximum continuous working temperature: transported air: 130°C, environment 60°C.

APPLICATIONS

Suitable for moving clean or dusty air. Designed to be fixed in the double suction flange, with the motor in vertical position.

- Paint booths.
- Collection of dust.
- Food industry dryers.
- Food processing.
- Incineration.
- Odor control in industry.
- Indoor / outdoor pollution control.
- Big buildings.
- Malls.
- Factories / Industrial buildings.
- Warehouses
- Extraction of smoke
- Boilers and ovens
- Manufacture and treatment of chemical products.
- Tunnels, underground stations.

UNDER REQUEST

- Fans for special voltages.
- 2 speed motor.
- C4 or C5 coating painting.
- Hot dip galvanized.
- Inox 304 (normal or electropolished finish).
- Inox 316 (normal or electropolished finish).
- Cooling wheel.
- Anticorrosive paint.
- Fully welded housing (waterproof).
- Inspection door to facilitate maintenance and cleaning.
- Drain plug.
- Airtight axle.
- Other brands of motors.

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador centrífugo de media presión con acoplamiento directo.
- Carcasa reforzada fabricada en acero laminado al carbono, protegida contra la corrosión mediante recubrimiento de polvo de resina poliéster de color RAL 5010. Acabado C3.
- Carcasa totalmente engatillada y orientable.
- Turbina autolimpiante y rodete reforzado de álabes hacia atrás (a reacción) de alto rendimiento fabricado en acero laminado al carbono equilibrado dinámicamente para minimizar el ruido y las vibraciones. Pintada de color negro RAL 9005.
- El tamaño de la turbina centrífuga y la caja de viento es de mayores dimensiones que un PREXTUR ATEX, con lo que se consigue incrementar las prestaciones de la máquina.
- Motor IEC asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento eléctrico clase F. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores. Certificación ATEX: II2G Ex-d, Ex-e / II3GD Ex-nA.
- Motor con brida (B5).
- Doble brida de aspiración.
- Disponible en las siguientes orientaciones (a indicar en caso de pedido): LG y RD.
- Temperatura máxima de trabajo en continuo: aire transportado 130°C, ambiente 60°C.

APLICACIONES

Adecuados para mover aire limpio o polvoriento. Diseñados para ser fijados en la doble brida de aspiración, con el motor en posición vertical.

- Cabinas de pintura.
- Recogida de polvo.
- Secadores de la industria alimenticia.
- Procesamiento de alimentos.
- Incineración.
- Control de olores en industria.
- Control de polución interior/externo.
- Grandes edificios.
- Centros comerciales.
- Fábricas / Naves industriales.
- Almacenes.
- Extracción de humos.
- Calderas y hornos.
- Fabricación y tratamiento de productos químicos.
- Túneles, estaciones subterráneas.

BAJO DEMANDA

- Ventiladores para voltajes especiales.
- Motor 2 velocidades.
- Acabado pintura C4-C5
- Galvanizado en caliente
- Inox 304 (acabado normal o electropulido).
- Inox 316 (acabado normal o electropulido).
- Rodete de refrigeración.
- Pintura anticorrosiva.
- Carcasa totalmente soldada (estanca).
- Puerta inspección para facilitar el mantenimiento y la limpieza.
- Drenaje.
- Eje estanco.
- Otras marcas de motores.

ACCESSORIES | ACCESORIOS



INT ATEX pg.434

Switch for ATEX environments.
Interrupor para funcionar en entonos ATEX.



SFC pg.433

Frecuency speed controller.
Variador de velocidad frecuencial.



RA pg.400

Inlet protection guard.
Rejilla aspiración.



AC pg.411

Connexion flange.
Brida de connexion.



JE 45 pg.416

Flexible joint.
Junta elástica.



AVR pg.422

Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



EIS pg.414

Outlet flange.
Embocadura impulsión.



BADS ATEX pg.417

Coupling flange form Storm.
Brida antivibratoria circular-circular ATEX para Storm.



AVS pg.423

Spring anti-vibration blocks.
Amortiguador de muelles.



RIS pg.399

Outlet guard.
Reja de impulsión.



BIDS ATEX pg.418

Rectangular-Rectangular anti-vibration flange for Storm.
Brida antivibratoria rectangular-rectangular para Storm.



SIL-C pg.426

Duct circular silencer.
Silenciador circular conducto.



FS pg.409

Front support for medium and high pressure fans
Pie soporte delantero para ventiladores de media y alta presión



AB pg.425

Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrifugos Casals



BA-400 pg.416

Anti-vibrating flange 400º/2h. flexible.
Brida antivibratoria 400º/2h.



CPS pg.424

Elbow for STORM fans.
Codo para ventiladores STORM.

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | Rated I (A) 400V | Rat.. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € Ex-nA | R.R.P. € Ex-e | R.R.P. € Ex-d |
|-------------|----------------------------|------------------|----------------|---------------|---------------|-----------|----------------|---------------|---------------|
| Código | Modelo | I nom. (A) 400V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € Ex-nA | P.V.P € Ex-e | P.V.P € Ex-d |
| PX313290XY | PREXTUR 313 T2 1,5kW ATEX | 3,14 | 1,5 | 5240 | 60 | 68 | 1.436,00 | 1.761,10 | 1.860,10 |
| PX314290XY | PREXTUR 314 T2 1,5kW ATEX | 3,14 | 1,5 | 5500 | 60 | 70 | 1.441,80 | 1.766,80 | 1.865,90 |
| PX353290XY | PREXTUR 353 T2 2,2kW ATEX | 4,58 | 2,2 | 7500 | 63 | 91 | 1.647,50 | 1.961,20 | 2.136,40 |
| PX3542100XY | PREXTUR 354 T2 3kW ATEX | 5,92 | 3 | 7870 | 64 | 108 | 1.833,00 | 2.184,70 | 2.489,30 |
| PX4032112XY | PREXTUR 403 T2 4kW ATEX | 7,63 | 4 | 10730 | 67 | 120 | 2.191,00 | 2.903,60 | 3.042,60 |
| PX4042132XY | PREXTUR 404 T2 5,5kW ATEX | 10,6 | 5,5 | 11260 | 67 | 147 | 2.776,80 | 3.470,80 | 4.023,90 |
| PX313471XY | PREXTUR 313 T4 0,37kW ATEX | 1,07 | 0,37 | 2620 | 45 | 50 | 1.278,40 | 1.404,70 | 1.629,70 |
| PX314471XY | PREXTUR 314 T4 0,37kW ATEX | 1,07 | 0,37 | 2750 | 45 | 52 | 1.284,60 | 1.410,90 | 1.635,90 |
| PX353471XY | PREXTUR 353 T4 0,37kW ATEX | 1,07 | 0,37 | 3750 | 48 | 72 | 1.393,30 | 1.519,60 | 1.744,60 |
| PX354471XY | PREXTUR 354 T4 0,37kW ATEX | 1,07 | 0,37 | 3940 | 49 | 75 | 1.400,30 | 1.526,50 | 1.751,50 |
| PX403480XY | PREXTUR 403 T4 0,55kW ATEX | 1,49 | 0,55 | 5370 | 52 | 85 | 1.650,80 | 1.784,00 | 1.993,70 |
| PX404480XY | PREXTUR 404 T4 0,55kW ATEX | 1,49 | 0,55 | 5630 | 52 | 88 | 1.659,10 | 1.792,30 | 2.002,00 |
| PX453490XY | PREXTUR 453 T4 1,1kW ATEX | 2,49 | 1,1 | 7640 | 55 | 109 | 1.885,80 | 2.068,90 | 2.247,10 |
| PX454490XY | PREXTUR 454 T4 1,1kW ATEX | 2,49 | 1,1 | 8020 | 56 | 112 | 1.895,10 | 2.078,20 | 2.256,40 |
| PX503490XY | PREXTUR 503 T4 1,5kW ATEX | 3,26 | 1,5 | 10480 | 59 | 130 | 2.159,30 | 2.349,30 | 2.602,80 |
| PX5044100XY | PREXTUR 504 T4 2,2kW ATEX | 4,64 | 2,2 | 11000 | 59 | 146 | 2.312,30 | 2.573,50 | 2.965,70 |
| PX5634100XY | PREXTUR 563 T4 3kW ATEX | 6,17 | 3 | 14730 | 62 | 162 | 2.669,90 | 2.943,00 | 3.421,70 |
| PX5644100XY | PREXTUR 564 T4 3kW ATEX | 6,17 | 3 | 15460 | 63 | 166 | 2.669,90 | 2.943,00 | 3.421,70 |
| PX6334132XY | PREXTUR 633 T4 5,5kW ATEX | 10,5 | 5,5 | 20970 | 66 | 242 | 3.596,90 | 4.456,00 | 4.845,10 |
| PX6344132XY | PREXTUR 634 T4 5,5kW ATEX | 10,5 | 5,5 | 22010 | 66 | 247 | 3.873,30 | 4.732,30 | 5.121,50 |
| PX7134132XY | PREXTUR 713 T4 9,2kW ATEX | 17,4 | 9,2 | 30010 | 69 | 335 | 5.078,70 | - | 6.417,00 |
| PX7134160XY | PREXTUR 713 T4 11kW ATEX | 21,2 | 11 | 30010 | 69 | 335 | - | 6.065,10 | - |
| PX7144160XY | PREXTUR 714 T4 11kW ATEX | 21,2 | 11 | 31500 | 70 | 355 | 5.191,20 | 6.479,50 | 7.552,40 |

To place an order for an ATEX fan, you must replace the Y of the code with D if it is explosion-proof, with E if it is anti-explosive, or with N if it is non-sparking.
Para cursar un pedido de un ventilador ATEX se debe sustituir la Y del código por D si es antideflagrante, por E si es antifexplosivo, o por N si es antichispas.

CTH3 | CTH3-A ATEX

ATEX roof fan

Ventilador de tejado ATEX

CTH3 ATEX



CTH3-A ATEX



MANUFACTURING FEATURES

- Roof cowl made of ABS in CTH3 version. In CTH3-A models, cowl made of aluminium.
- Structure, roof base support and bird protection guard made of galvanised steel.
- High efficiency backward impeller with self-cleaning system made of steel.
- Standard asynchronous motor with IP-55 protection and Class F insulation for ATEX certified: II2G Ex-d, Ex-e / II3GD Ex-nA. Standard voltages 230/400V 50Hz in three phase motors.

APPLICATIONS

- Specially designed for roof installation, they are suitable for:
- Smoke extraction.
 - Smoke emergency exhaust with motor outside the hazardous area.
 - Air renewal in buildings and industries.
 - Industrial and professional kitchen hoods.
 - Maximum continuous operation temperature: 80°C.

UNDER REQUEST

- Special voltages.

CARACTERÍSTICAS CONSTRUCTIVAS

- Sombrerete de protección en ABS para la versión CTH3 ATEX. Modelos CTH3-A ATEX con sombrero de aluminio.
- Estructura, marco soporte de adaptación a tejado y rejilla de protección anti pájaros en acero galvanizado.
- Turbinas de álabes curvados hacia atrás (a reacción) de alto rendimiento con sistema autolimpiante construidas en acero.
- Motor asíncrono normalizado de jaula de ardilla con protección IP-55 y aislamiento clase F. Certificación ATEX: II2G Ex-d, Ex-e / II3GD Ex-nA. Voltajes estándar 230/400V 50Hz para motores trifásicos.

APLICACIONES

- Diseñados para montaje en cubierta o tejado, son indicados para:
- Extracción de humos.
 - Extracción de humo en caso de incendio estando el motor fuera de la zona de riesgo.
 - Renovación de aire en todo tipo de edificios e industrias.
 - Campanas de cocina industriales y profesionales.
 - Temperatura máxima de trabajo en continuo: 80°C.

BAJO DEMANDA

- Ventiladores para trabajar a tensiones especiales.



ATEX OPTIONS UNDER REQUEST | OPCIONES ATEX BAJO DEMANDA

Three-phase MOTOR explosion-proof under the ATEX 2014/34/EU Directive for working temperatures from -20°C to +40°C.
MOTORES trifásicos antiexplosivos bajo Directiva ATEX 2014/34/UE para temperaturas de trabajo de -20°C a +40°C.

- ATEX Explosion-proof for GAS | ATEX Antideflagrantes para GAS

ⓍII2G Ex-d IIB T4 IP66

ⓍII2G Ex-d IIC T4 IP66 (OPTIONAL PTC PROBE | SONDA PTC OPCIONAL)

ⓍII2G Ex-d IIC T5 IP66

- ATEX Increased security for GAS | ATEX Seguridad aumentada para GAS:

ⓍII2G Ex-e T3 IP55

- ATEX Protection "n" for GAS | ATEX Protección "n" para GAS:

ⓍII3G Ex-nA IIC T4 Gc

- ATEX Protection "n" for GAS and NON-CONDUCTIVE DUST |

ATEX Protección "n" para GAS y POLVO NO CONDUCTOR:

ⓍII3GD Ex-Na IIC T4 Gc Ex-tc IIB T125° IP55 ZONA 22

- ATEX Explosion-proof for GAS and DUST | ATEX Antideflagrantes para GAS y POLVO:

ⓍII2GD Ex-d IIC T4 IP66

ⓍII2GD Ex-d IIC T5 IP66

- ATEX Increased security for DUST | ATEX Seguridad aumentada para POLVO:

ⓍII3D Ex-e Dc

- ATEX Protection by enclosure for DRIVER DUST | ATEX Protección por recinto

para POLVO CONDUCTOR:

ⓍII3D Ex-tc IIC T125° Dc IP55 ZONA 22

To carry out the selection of an ATEX fan, please use the curves that you will find in the Fanware by Casals selection software. The electrical data of these ATEX models can be modified.

Para llevar a cabo la selección de un ventilador ATEX, por favor use las curvas que encontrará en el programa de selección Fanware by Casals. Los datos eléctricos de estos Modelos ATEX pueden verse modificados.

ACCESSORIES | ACCESORIOS



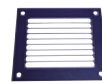
INT ATEX pg.434

Switch for ATEX environments.
Interruptor para funcionar en entornos ATEX.



SFC pg.433

Speed controller for single phase motors.
Regulador de velocidad monofásico.



RBS pg.400

Outlet protection guard.
Rejilla de protección.



RA pg.400

Inlet protection guard.
Rejilla de protección para la embocadura de aspiración.



JE 45 pg.416

Flexible joint.
Junta elástica.



BA-400 pg.416

Anti-vibrating flange 400º/2h. flexible.
Brida antivibratoria 400º/2h.



EI pg.412

Connection to be fitted in the centrifugal fans outlet.
Brida de conexión para boca de impulsión rectangular de ventiladores centrifugos.



AC pg.411

Connexion flange.
Brida de conexión.



BAD pg.416

Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.

CTH3 ATEX

SINGLE PHASE RANGE with plastic cowl | SERIE MONOFÁSICA con sombrero de plástico

| Code | Model | R.P.M. | Rated I (A) 230V | Rated Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € Ex-d |
|-------------|-------------------------|--------|------------------|----------------|---------------|---------------|-----------|---------------|
| Código | Modelo | R.P.M. | I nom. (A) 230V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € Ex-d |
| 279220103XD | CTH3 225 M4 0,12kW ATEX | 1380 | 1,15 | 0,12 | 750 | 37 | 9 | 1.623,50 |
| 279250103XD | CTH3 250 M4 0,12kW ATEX | 1380 | 1,15 | 0,12 | 900 | 40 | 10 | 1.637,60 |
| 279280103XD | CTH3 280 M4 0,12kW ATEX | 1380 | 1,15 | 0,12 | 1.550 | 44 | 11 | 1.650,10 |
| 279310103XD | CTH3 315 M4 0,25kW ATEX | 1400 | 1,93 | 0,25 | 2.300 | 48 | 15 | 1.841,00 |
| 279410103XD | CTH3 400 M6 0,37kW ATEX | 890 | 2,9 | 0,37 | 3.550 | 47 | 21 | 1.972,30 |

THREE PHASE RANGE with plastic cowl | SERIE TRIFÁSICA con sombrero de plástico

| Code | Model | R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € Ex-nA | R.R.P. € Ex-e | R.R.P. € Ex-d |
|-------------|-------------------------|--------|-------------|------|---------------|---------------|---------------|-----------|----------------|---------------|---------------|
| | | | 230V | 400V | | | | | | | |
| Código | Modelo | R.P.M. | I nom. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € Ex-nA | P.V.P. € Ex-e | P.V.P. € Ex-d |
| | | | 230V | 400V | | | | | | | |
| 279220106XY | CTH3 225 T4 0,12kW ATEX | 1400 | 0,8 | 0,46 | 0,12 | 750 | 37 | 9 | 836,60 | 926,70 | 1.249,90 |
| 279250106XY | CTH3 250 T4 0,12kW ATEX | 1400 | 0,8 | 0,46 | 0,12 | 900 | 40 | 10 | 842,60 | 932,60 | 1.255,80 |
| 279280106XY | CTH3 280 T4 0,12kW ATEX | 1400 | 0,8 | 0,46 | 0,12 | 1.550 | 44 | 11 | 854,70 | 944,70 | 1.267,90 |
| 279310106XY | CTH3 315 T4 0,25kW ATEX | 1400 | 1,38 | 0,79 | 0,25 | 2.300 | 48 | 15 | 975,70 | 1.058,70 | 1.383,00 |
| 279350106XY | CTH3 355 T4 0,55kW ATEX | 1400 | 2,57 | 1,49 | 0,55 | 3.400 | 53 | 19 | 1.036,60 | 1.126,90 | 1.373,90 |
| 279400106XY | CTH3 400 T4 0,75kW ATEX | 1390 | 2,83 | 1,63 | 0,75 | 5.400 | 57 | 21 | 1.175,40 | 1.233,20 | 1.544,90 |
| 279450106XY | CTH3 450 T4 1,1kW ATEX | 1400 | 4,33 | 2,49 | 1,1 | 7.600 | 60 | 38 | 1.393,90 | 1.499,10 | 1.710,90 |
| 279500106XY | CTH3 500 T4 1,5kW ATEX | 1400 | 5,67 | 3,26 | 1,5 | 10.200 | 63 | 50 | 1.862,40 | 1.984,50 | 2.286,00 |
| 279560106XY | CTH3 560 T4 3kW ATEX | 1430 | 10,7 | 6,17 | 3 | 13.200 | 66 | 55 | 2.058,00 | 2.261,30 | 2.798,40 |
| 279410106XY | CTH3 400 T6 0,37kW ATEX | 900 | 2,2 | 1,27 | 0,37 | 3.550 | 47 | 21 | 1.004,20 | 1.130,80 | 1.371,90 |
| 279460106XY | CTH3 450 T6 0,37kW ATEX | 910 | 3,39 | 1,95 | 0,37 | 4.850 | 51 | 38 | 1.181,70 | 1.308,30 | 1.549,50 |
| 279510106XY | CTH3 500 T6 0,75kW ATEX | 910 | 3,39 | 1,95 | 0,75 | 6.450 | 54 | 50 | 1.818,50 | 1.923,70 | 2.063,70 |
| 279570106XY | CTH3 560 T6 0,75kW ATEX | 910 | 3,39 | 1,95 | 0,75 | 8.400 | 56 | 55 | 1.978,80 | 2.084,00 | 2.223,90 |
| 279630106XY | CTH3 630 T6 1,5kW ATEX | 940 | 6,45 | 3,71 | 1,5 | 12.200 | 60 | 70 | 2.323,30 | 2.707,00 | 2.888,20 |
| 279710106XY | CTH3 710 T6 2,2kW ATEX | 940 | 10,3 | 5,94 | 2,2 | 19.000 | 65 | 101 | 2.798,00 | 3.386,50 | 3.421,80 |
| 279800106XY | CTH3 800 T6 4kW ATEX | 960 | 16,5 | 9,46 | 4 | 25.000 | 67 | 118 | 3.528,10 | 4.488,40 | 4.601,60 |

To place an order for an ATEX fan, you must replace the Y of the code with D if it is explosion-proof, with E if it is anti-explosive, or with N if it is non-sparking. Para cursar un pedido de un ventilador ATEX se debe sustituir la Y del código por D si es antideflagrante, por E si es antiexplosivo, o por N si es antichispas.

CTH3-A ATEX

SINGLE PHASE RANGE with aluminium cowl | SERIE MONOFÁSICA con sombrero de aluminio

| Code | Model | R.P.M. | Rated I (A) 230V | Rated Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € Ex-d |
|--------------|---------------------------|--------|------------------|----------------|---------------|---------------|-----------|---------------|
| Código | Modelo | R.P.M. | I nom. (A) 230V | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € Ex-d |
| 279220103AXD | CTH3-A 225 M4 0,12kW ATEX | 1380 | 1,15 | 0,12 | 750 | 37 | 9 | 1.647,80 |
| 279250103AXD | CTH3-A 250 M4 0,12kW ATEX | 1380 | 1,15 | 0,12 | 900 | 40 | 10 | 1.662,10 |
| 279280103AXD | CTH3-A 280 M4 0,12kW ATEX | 1380 | 1,15 | 0,12 | 1.550 | 44 | 11 | 1.674,80 |
| 279310103AXD | CTH3-A 315 M4 0,25kW ATEX | 1400 | 1,93 | 0,25 | 2.300 | 48 | 15 | 1.868,60 |
| 279410103AXD | CTH3-A 400 M6 0,37kW ATEX | 890 | 2,9 | 0,37 | 3.550 | 47 | 21 | 2.001,90 |

THREE PHASE RANGE with aluminium cowl | SERIE TRIFÁSICA con sombrero de aluminio

| Code | Model | R.P.M. | Rated I (A) | | Rat. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € Ex-nA | R.R.P. € Ex-e | R.R.P. € Ex-d |
|--------------|---------------------------|--------|-------------|------|---------------|---------------|---------------|-----------|----------------|---------------|---------------|
| | | | 230V | 400V | | | | | | | |
| Código | Modelo | R.P.M. | I nom. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € Ex-nA | P.V.P. € Ex-e | P.V.P. € Ex-d |
| | | | 230V | 400V | | | | | | | |
| 279220106AXY | CTH3-A 225 T4 0,12kW ATEX | 1400 | 0,8 | 0,46 | 0,12 | 750 | 37 | 9 | 857,00 | 946,90 | 1.270,20 |
| 279250106AXY | CTH3-A 250 T4 0,12kW ATEX | 1400 | 0,8 | 0,46 | 0,12 | 900 | 40 | 10 | 863,20 | 953,10 | 1.276,40 |
| 279280106AXY | CTH3-A 280 T4 0,12kW ATEX | 1400 | 0,8 | 0,46 | 0,12 | 1.550 | 44 | 11 | 875,60 | 965,80 | 1.288,90 |
| 279310106AXY | CTH3-A 315 T4 0,25kW ATEX | 1400 | 1,38 | 0,79 | 0,25 | 2.300 | 48 | 15 | 999,20 | 1.082,20 | 1.406,50 |
| 279350106AXY | CTH3-A 355 T4 0,55kW ATEX | 1400 | 2,57 | 1,49 | 0,55 | 3.400 | 53 | 19 | 1.059,20 | 1.149,70 | 1.396,50 |
| 279400106AXY | CTH3-A 400 T4 0,75kW ATEX | 1390 | 2,83 | 1,63 | 0,75 | 5.400 | 57 | 21 | 1.200,60 | 1.258,40 | 1.570,10 |
| 279450106AXY | CTH3-A 450 T4 1,1kW ATEX | 1400 | 4,33 | 2,49 | 1,1 | 7.600 | 60 | 38 | 1.424,30 | 1.529,30 | 1.741,20 |
| 279500106AXY | CTH3-A 500 T4 1,5kW ATEX | 1400 | 5,67 | 3,26 | 1,5 | 10.200 | 63 | 50 | 1.907,30 | 2.029,40 | 2.330,90 |
| 279560106AXY | CTH3-A 560 T4 3kW ATEX | 1430 | 10,7 | 6,17 | 3 | 13.200 | 66 | 55 | 2.102,70 | 2.306,00 | 2.843,00 |
| 279410106AXY | CTH3-A 400 T6 0,37kW ATEX | 900 | 2,2 | 1,27 | 0,37 | 3.550 | 47 | 21 | 1.024,50 | 1.151,30 | 1.392,40 |
| 279460106AXY | CTH3-A 450 T6 0,37kW ATEX | 910 | 3,39 | 1,95 | 0,37 | 4.850 | 51 | 38 | 1.208,40 | 1.335,00 | 1.576,20 |
| 279510106AXY | CTH3-A 500 T6 0,75kW ATEX | 910 | 3,39 | 1,95 | 0,75 | 6.450 | 54 | 50 | 1.862,10 | 1.967,30 | 2.107,20 |
| 279570106AXY | CTH3-A 560 T6 0,75kW ATEX | 910 | 3,39 | 1,95 | 0,75 | 8.400 | 56 | 55 | 2.028,00 | 2.133,10 | 2.273,20 |
| 279630106AXY | CTH3-A 630 T6 1,5kW ATEX | 940 | 6,45 | 3,71 | 1,5 | 12.200 | 60 | 70 | 2.374,10 | 2.757,80 | 2.938,90 |
| 279710106AXY | CTH3-A 710 T6 2,2kW ATEX | 940 | 10,3 | 5,94 | 2,2 | 19.000 | 65 | 101 | 2.856,60 | 3.445,00 | 3.480,40 |
| 279800106AXY | CTH3-A 800 T6 4kW ATEX | 960 | 16,5 | 9,46 | 4 | 25.000 | 67 | 118 | 3.589,50 | 4.549,80 | 4.663,10 |

To place an order for an ATEX fan, you must replace the Y of the code with D if it is explosion-proof, with E if it is anti-explosive, or with N if it is non-sparking. Para cursar un pedido de un ventilador ATEX se debe sustituir la Y del código por D si es antideflagrante, por E si es antiexplosivo, o por N si es antichispas.

MBCA ATEX

Centrifugal fan for clean air in ATEX environment

Ventilador centrífugo para mover aire limpio ATEX



ATEX OPTIONS UNDER REQUEST | OPCIONES ATEX BAJO DEMANDA

Three-phase MOTOR explosion-proof under the ATEX 2014/34/EU Directive for working temperatures from -20°C to +40°C.
MOTORES trifásicos antiexplosivos bajo Directiva ATEX 2014/34/UE para temperaturas de trabajo de -20°C a +40°C.

- ATEX Explosion-proof for GAS | ATEX Antideflagrantes para GAS
Ⓜ I12G Ex-d IIB T4 IP66
- Ⓜ I12G Ex-d IIC T4 IP66 (OPTIONAL PTC PROBE | SONDA PTC OPCIONAL)
- Ⓜ I12G Ex-d IIC T5 IP66
- ATEX Increased security for GAS | ATEX Seguridad aumentada para GAS:
Ⓜ I12G Ex-e T3 IP55
- ATEX Protection "n" for GAS | ATEX Protección "n" para GAS:
Ⓜ I13G Ex-nA IIC T4 Gc
- ATEX Protection "n" for GAS and NON-CONDUCTIVE DUST | ATEX Protección "n" para GAS y POLVO NO CONDUCTOR:
Ⓜ I13GD Ex-nA IIC T4 Gc Ex-nc IIB T125° IP55 ZONA 22
- ATEX Explosion-proof for GAS and DUST | ATEX Antideflagrantes para GAS y POLVO:
Ⓜ I12GD Ex-d IIC T4 IP66
- Ⓜ I12GD Ex-d IIC T5 IP66
- ATEX Increased security for DUST | ATEX Seguridad aumentada para POLVO:
Ⓜ I13D Ex-e Dc
- ATEX Protection by enclosure for DRIVER DUST | ATEX Protección por recinto para POLVO CONDUCTOR:
Ⓜ I13D Ex-nc IIC T125° Dc IP55 ZONA 22

To carry out the selection of an ATEX fan, please use the curves that you will find in the Fanware by Casals selection software. The electrical data of these ATEX models can be modified.

Para llevar a cabo la selección de un ventilador ATEX, por favor use las curvas que encontrará en el programa de selección Fanware by Casals. Los datos eléctricos de estos Modelos ATEX pueden verse modificados.

MANUFACTURING FEATURES

- Fan made of Fe360 sheet.
- The fan paint finish is based on a Qualicoat polyester powder coating stoved at 200°C, with an average film thickness of 70 microns. Average heat resistance of coating is 180°C with peaks of 200°C.
- Single inlet forward curved impeller made of Fe360 sheet statically and dynamically balanced.
- Impellers are painted with epoxy primer up to 300°C temperature resistant.
- Fans are equipped with protective grilles on the inlet and outlet.
- Standard asynchronous motor with IP-55 protection and Class F insulation. ATEX certified: I12G Ex-d, Ex-e / I13GD Ex-nA. Standard voltages 230/400V 50Hz three phase motors.
- Standard orientation LG270.
- It allows adjusting the orientation locally from models 180 to 630. Models sizes from 710 to 1000 size the orientation is fixed

APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, air extraction or injection.
- Cooling of machines and parts.
- Clean air transport.
- Steam aspiration in places where moving large volumes of air at low pressures.
- Maximum working temperature: carried air 130°C; environment 60°C.

UNDER REQUEST

- 2 speed motors.
- Hot-dipped galvanised or stainless steel fans.
- Orientations: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador fabricado en chapa Fe360.
- La pintura de los ventiladores está formulada a base de poliéster en polvo Qualicoat polimerizada a 200°C con un grosor medio de 70 micras. La resistencia térmica media de la pintura es de 180°C con picos de 200°C.
- Turbina multipala de álabes curvados hacia adelante de simple aspiración fabricada en Fe360 equilibrada estática y dinámicamente.
- Las turbinas se pintan con imprimación epoxídica con una resistencia térmica de 300°C.
- Los ventiladores se suministran con rejilla de protección tanto en la boca de aspiración como en la de impulsión.
- Motor asíncrono ATEX normalizado de jaula de ardilla con protección IP-55, aislamiento clase F. Certificación ATEX: I12G Ex-d, Ex-e / I13GD Ex-nA. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Orientación estándar LG270.
- Permite variar la orientación en destino, en los Modelos del 180 al 630. En los tamaños que van del 710 al 1000, la orientación es fija.

APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Transporte de aire limpio.
- Aspiración de vapores en lugares donde se desplazan grandes volúmenes de aire con bajas presiones.
- Temperatura máxima de trabajo en continuo: aire transportado 130°C, ambiente 60°C.

BAJO DEMANDA

- Motor 2 velocidades.
- Ventiladores fabricados en chapa galvanizada en caliente o acero inoxidable.
- Orientaciones: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

ACCESSORIES | ACCESORIOS



INT ATEX pg.434

Switch for ATEX environments.
Interruptor para funcionar en entornos ATEX.



SFC pg.433

Frequency speed controller.
Variador de velocidad frecuencial.



BAD pg.416

Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



JE 45 pg.416

Flexible joint.
Junta elástica.



SIL-C pg.426

Duct circular silencer.
Silenciador circular conducto.



EI pg.412

Outlet flange.
Embocadura impulsión.



BA-400 pg.416

Anti-vibrating flange 400°/2h. flexible.
Brida antivibratoria 400°/2h.



AC pg.411

Connexion flange.
Brida de conexión.



RI pg.398

Outlet guard.
Reja impulsión.



FS pg.409

Front support for medium and high pressure fans
Pie soporte delantero para ventiladores de media y alta presión



AB pg.425

Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals



AVR pg.422

Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



AVS pg.423

Spring anti-vibration blocks.
Amortiguador de muelles.

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | Rated. R.P.M. | Rated I (A) 400V | | Rat.. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € Ex-nA | R.R.P. € Ex-e | R.R.P. € Ex-d |
|-------------|-------------------------|------------------|------------------|------|-------------------|------------------|------------------|--------------|-------------------|------------------|------------------|
| | | | 230V | 400V | | | | | | | |
| Código | Modelo | R.P.M. nom. | I nom. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € Ex-nA | P.V.P. € Ex-e | P.V.P. € Ex-d |
| | | | 230V | 400V | | | | | | | |
| 501401816XY | MBCA 180 T2 0,55kW ATEX | 2800 | 2,23 | 1,29 | 1,29 | 1.230 | 48 | 19 | 1.398,30 | 1.565,10 | 1.822,40 |
| 501401818XY | MBCA 180 T2 1,1kW ATEX | 2800 | 4,05 | 2,33 | 2,33 | 1.800 | 52 | 25 | 1.488,10 | 1.685,90 | 1.873,20 |
| 501402018XY | MBCA 200 T2 1,1kW ATEX | 2800 | 4,05 | 2,33 | 2,33 | 1.800 | 52 | 27 | 1.591,90 | 1.789,60 | 1.977,10 |
| 501402027XY | MBCA 200 T2 2,2kW ATEX | 2800 | 7,97 | 4,58 | 4,58 | 2.880 | 57 | 33 | 1.815,30 | 2.129,00 | 2.304,10 |
| 501402219XY | MBCA 220 T2 1,5kW ATEX | 2800 | 5,46 | 3,14 | 3,14 | 2.160 | 53 | 32 | 1.790,20 | 2.115,30 | 2.214,40 |
| 501402229XY | MBCA 220 T2 3kW ATEX | 2870 | 10,3 | 5,92 | 5,92 | 3.960 | 59 | 41 | 2.165,30 | 2.517,00 | 2.821,60 |
| 501402529XY | MBCA 250 T2 3kW ATEX | 2870 | 10,3 | 5,92 | 5,92 | 3.240 | 56 | 51 | 2.246,80 | 2.598,50 | 2.903,10 |
| 501402532XY | MBCA 250 T2 4kW ATEX | 2890 | 13,3 | 7,63 | 7,63 | 4.680 | 60 | 60 | 2.534,90 | 3.247,40 | 3.386,40 |
| 501402834XY | MBCA 280 T2 5,5kW ATEX | 2900 | - | 10,6 | 10,6 | 4.680 | 60 | 82 | 2.955,20 | 3.649,20 | 4.202,30 |
| 501402836XY | MBCA 280 T2 7,5kW ATEX | 2900 | - | 14,1 | 14,1 | 6.120 | 63 | 90 | 3.035,10 | 3.802,40 | 4.472,30 |
| 501402242XY | MBCA 220 T4 0,37kW ATEX | 1400 | 1,86 | 1,07 | 1,07 | 1.800 | 41 | 28 | 1.536,70 | 1.662,90 | 1.887,90 |
| 501402542XY | MBCA 250 T4 0,37kW ATEX | 1400 | 1,86 | 1,07 | 1,07 | 1.800 | 44 | 30 | 1.677,40 | 1.803,80 | 2.028,70 |
| 501402543XY | MBCA 250 T4 0,55kW ATEX | 1400 | 2,57 | 1,49 | 1,49 | 2.520 | 47 | 33 | 1.732,40 | 1.865,60 | 2.075,40 |
| 501402844XY | MBCA 280 T4 0,75kW ATEX | 1390 | 2,83 | 1,63 | 1,63 | 3.000 | 47 | 40 | 1.905,60 | 2.043,40 | 2.250,50 |
| 501402845XY | MBCA 280 T4 1,1kW ATEX | 1400 | 4,33 | 2,49 | 2,49 | 3.800 | 51 | 42 | 2.069,30 | 2.252,40 | 2.430,60 |
| 501403146XY | MBCA 310 T4 1,5kW ATEX | 1400 | 5,67 | 3,26 | 3,26 | 4.300 | 52 | 50 | 2.279,90 | 2.469,90 | 2.723,40 |
| 501403154XY | MBCA 310 T4 2,2kW ATEX | 1430 | 8,07 | 4,64 | 4,64 | 5.400 | 56 | 58 | 2.434,70 | 2.696,00 | 3.088,10 |
| 501403554XY | MBCA 350 T4 2,2kW ATEX | 1430 | 8,07 | 4,64 | 4,64 | 5.400 | 53 | 66 | 2.560,70 | 2.821,90 | 3.214,10 |
| 501403556XY | MBCA 350 T4 3kW ATEX | 1430 | 10,7 | 6,17 | 6,17 | 7.200 | 56 | 66 | 2.610,70 | 2.883,80 | 3.362,50 |
| 501403559XY | MBCA 350 T4 4kW ATEX | 1440 | 14,5 | 8,32 | 8,32 | 7.920 | 59 | 76 | 2.730,50 | 3.153,20 | 3.738,60 |
| 501404061XY | MBCA 400 T4 5,5kW ATEX | 1440 | - | 10,5 | 10,5 | 7.920 | 58 | 100 | 3.462,00 | 4.321,00 | 4.710,20 |
| 501404063XY | MBCA 400 T4 7,5kW ATEX | 1440 | - | 14,1 | 14,1 | 10.800 | 62 | 108 | 3.611,70 | 4.457,20 | 5.061,90 |
| 501404563XY | MBCA 450 T4 7,5kW ATEX | 1440 | - | 14,1 | 14,1 | 10.080 | 57 | 112 | 4.002,10 | 4.847,50 | 5.452,20 |
| 501404552XY | MBCA 450 T4 15kW ATEX | 1460 | - | 29,8 | 29,8 | 18.000 | 66 | 170 | 4.867,50 | 6.425,70 | 7.396,50 |
| 501405052XY | MBCA 500 T4 15kW ATEX | 1460 | - | 29,8 | 29,8 | 16.200 | 61 | 200 | 5.680,40 | 7.238,60 | 8.209,40 |
| 501405055XY | MBCA 500 T4 22kW ATEX | 1470 | - | 40,1 | 40,1 | 21.600 | 66 | 272 | 6.401,80 | 10.751,70 | 10.972,80 |
| 501405655XY | MBCA 560 T4 22kW ATEX | 1470 | - | 40,1 | 40,1 | 21.600 | 61 | 313 | 7.271,40 | 11.621,30 | 11.842,30 |
| 501405658XY | MBCA 560 T4 37kW ATEX | 1430 | 10,7 | 6,17 | 6,17 | 32.400 | 69 | 497 | 8.902,80 | 15.644,70 | 16.714,00 |
| 501403170XY | MBCA 310 T6 0,37kW ATEX | 900 | 2,2 | 1,27 | 1,27 | 2.160 | 42 | 43 | 2.118,00 | 2.251,60 | 2.406,20 |
| 501403171XY | MBCA 310 T6 0,55kW ATEX | 900 | 3 | 1,8 | 1,8 | 3.240 | 45 | 44 | 2.164,60 | 2.291,90 | 2.433,10 |
| 501403572XY | MBCA 350 T6 0,75kW ATEX | 910 | 3,39 | 1,95 | 1,95 | 3.960 | 47 | 56 | 2.375,90 | 2.602,10 | 2.749,00 |
| 501403573XY | MBCA 350 T6 1,1kW ATEX | 910 | 4,83 | 2,78 | 2,78 | 5.400 | 49 | 59 | 2.420,90 | 2.696,60 | 2.921,50 |
| 501404074XY | MBCA 400 T6 1,5kW ATEX | 940 | 6,45 | 3,71 | 3,71 | 5.400 | 48 | 82 | 2.834,30 | 3.457,00 | 3.611,90 |
| 501404078XY | MBCA 400 T6 2,2kW ATEX | 940 | 10,3 | 5,94 | 5,94 | 7.920 | 52 | 90 | 2.999,20 | 3.876,50 | 3.986,30 |
| 501404580XY | MBCA 450 T6 3kW ATEX | 960 | 12,7 | 7,3 | 7,3 | 9.000 | 52 | 112 | 3.663,20 | 5.062,00 | 5.269,80 |
| 501405083XY | MBCA 500 T6 4kW ATEX | 960 | 16,5 | 9,46 | 9,46 | 9.000 | 52 | 153 | 4.145,90 | 5.685,50 | 5.768,40 |
| 501405085XY | MBCA 500 T6 5,5kW ATEX | 960 | - | 12,8 | 12,8 | 10.800 | 56 | 153 | 4.310,80 | 5.914,50 | 5.973,40 |
| 501405687XY | MBCA 560 T6 7,5kW ATEX | 965 | - | 15,2 | 15,2 | 16.200 | 56 | 221 | 6.042,00 | 8.588,60 | 8.731,90 |
| 501405675XY | MBCA 560 T6 11kW ATEX | 970 | - | 22,6 | 22,6 | 21.600 | 61 | 233 | 6.204,40 | 8.749,70 | 8.980,40 |
| 501406375XY | MBCA 630 T6 11kW ATEX | 970 | - | 22,6 | 22,6 | 19.800 | 56 | 243 | 6.515,70 | 9.060,90 | 9.291,70 |
| 501406377XY | MBCA 630 T6 18,5kW ATEX | 975 | - | 35,7 | 35,7 | 28.800 | 63 | 400 | 7.714,90 | 13.057,00 | 13.931,90 |

To place an order for an ATEX fan, you must replace the Y of the code with D if it is explosion-proof, with E if it is anti-explosive, or with N if it is non-sparking.
Para cursar un pedido de un ventilador ATEX se debe sustituir la Y del código por D si es antideflagrante, por E si es antiexplosivo, o por N si es antichispas.

MBRM ATEX

Centrifugal fan, for clean or dusty air in ATEX environment

Ventilador centrífugo, para aire limpio o polvoriento ATEX



ATEX OPTIONS UNDER REQUEST | OPCIONES ATEX BAJO DEMANDA

Three-phase MOTOR explosion-proof under the ATEX 2014/34/EU Directive for working temperatures from -20°C to +40°C.
MOTORES trifásicos antiexplosivos bajo Directiva ATEX 2014/34/UE para temperaturas de trabajo de -20°C a +40°C.

- ATEX Explosion-proof for GAS | ATEX Antideflagrantes para GAS
- Ⓜ I12G Ex-d IIB T4 IP66
- Ⓜ I12G Ex-d IIC T4 IP66 (OPTIONAL PTC PROBE | Sonda PTC OPCIONAL)
- Ⓜ I12G Ex-d IIC T5 IP66
- ATEX Increased security for GAS | ATEX Seguridad aumentada para GAS:
- Ⓜ I12G Ex-e T3 IP55
- ATEX Protection "n" for GAS | ATEX Protección "n" para GAS:
- Ⓜ I13G Ex-nA IIC T4 Gc
- ATEX Protection "n" for GAS and NON-CONDUCTIVE DUST | ATEX Protección "n" para GAS y POLVO NO CONDUCTOR:
- Ⓜ I13GD Ex-Na IIC T4 Gc Ex-nc IIB T125° IP55 ZONA 22
- ATEX Explosion-proof for GAS and DUST | ATEX Antideflagrantes para GAS y POLVO:
- Ⓜ I12GD Ex-d IIC T4 IP66
- Ⓜ I12GD Ex-d IIC T5 IP66
- ATEX Increased security for DUST | ATEX Seguridad aumentada para POLVO:
- Ⓜ I13D Ex-e Dc
- ATEX Protection by enclosure for DRIVER DUST | ATEX Protección por recinto para POLVO CONDUCTOR:
- Ⓜ I13D Ex-nc IIC T125° Dc IP55 ZONA 22

To carry out the selection of an ATEX fan, please use the curves that you will find in the Fanware by Casals selection software. The electrical data of these ATEX models can be modified.

Para llevar a cabo la selección de un ventilador ATEX, por favor use las curvas que encontrará en el programa de selección Fanware by Casals. Los datos eléctricos de estos Modelos ATEX pueden verse modificados.

MANUFACTURING FEATURES

- Rolling Fe360 steel sheet housing.
- Fully welded or joined housing.
- High efficiency single inlet and backward curved impeller, made of Fe360 sheet statically and dynamically balanced.
- The fan paint finish is based on a Qualicoat polyester powder coating stoved at 200°C, with an average film thickness of 70 microns. Average heat resistance of coating is 180°C with peaks of 200°C.
- Impellers are painted with epoxy primer up to 300°C temperature resistant.
- Fans are equipped with protective grilles on the inlet and outlet.
- Standard asynchronous squirrel-cage motor with IP-55 protection and rated class F insulation. ATEX certified: II2G Ex-d, Ex-e / II3GD Ex-na. Standard voltages 230/400V 50Hz for three phase motors up to 4kW and 400/690V 50Hz for higher powers.
- Standard orientation LG270.
- Allows you to vary the orientation locally at models from 250 to 630. In sizes ranging from 710 to 1000, the orientation is fixed.

APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, air extraction or injection.
- Cooling of machines and parts.
- Transport of dusty air and small loads of pellet materials.
- Exhaust after filters, separators and cyclones.
- Pneumatic transport.
- Maximum working temperature: carried air 130°C; environment 60°C.

UNDER REQUEST

- 2 speed motors.
- Hot-dipped galvanised or stainless steel fans.
- Orientations: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador fabricado en chapa Fe360.
- Carcasa totalmente soldada o engatillada.
- Turbina de álabes curvados hacia atrás (a reacción) de simple aspiración y alto rendimiento, fabricada en Fe360 equilibrada estática y dinámicamente.
- Pintura formulada a base de poliéster en polvo Qualicoat polimerizada a 200°C con un grosor medio de 70 micras. La resistencia térmica media de la pintura es de 180°C con picos de 200°C.
- Las turbinas se pintan con imprimación epoxídica con una resistencia térmica de 300°C.
- Los ventiladores se suministran con rejilla de protección tanto en la boca de aspiración como en la de impulsión.
- Motor asíncrono ATEX normalizado de jaula de ardilla con protección IP-55, aislamiento clase F. Certificación ATEX: II2G Ex-d, Ex-e / II3GD Ex-na. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Orientación estándar LG270.
- Permite variar la orientación en destino, en los modelos del 220 al 630. En los tamaños que van del 710 al 1000, la orientación es fija.

APLICACIONES

- Diseñados para instalación en conducto, son indicados para:
- Procesos industriales, extracción o inyección localizada.
 - Refrigeración de máquinas, enfriamiento de piezas.
 - Transporte de aire polvoriento o con ligera carga de materiales granulados.
 - Aspiración después de filtros, separadores y ciclones.
 - Transporte neumático.
 - Temperatura máxima de trabajo en continuo: aire transportado 130°C, ambiente 60°C.

BAJO DEMANDA

- Motor 2 velocidades.
- Ventiladores fabricados en chapa galvanizada en caliente o acero inoxidable.
- Orientaciones: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

ACCESSORIES | ACCESORIOS



INT ATEX pg.434

Switch for ATEX environments.
Interruptor para funcionar en entornos ATEX.



SFC pg.433

Frequency speed controller.
Variador de velocidad frecuencial.



RA pg.400

Inlet protection guard.
Rejilla aspiración.



JE 45 pg.416

Flexible joint.
Junta elástica.



SIL-C pg.426

Duct circular silencer.
Silenciador circular conducto.



EI pg.412

Outlet flange.
Embocadura impulsión.



BA-400 pg.416

Anti-vibrating flange 400°/2h. flexible.
Brida antivibratoria 400°/2h.



AC pg.411

Connexion flange.
Brida de conexión.



BAD pg.416

Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



FS pg.409

Front support for medium and high pressure fans
Pie soporte delantero para ventiladores de media y alta presión



AB pg.425

Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals



RI pg.398

Outlet guard.
Reja impulsión.



AVR pg.422

Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



AVS pg.423

Spring anti-vibration blocks.
Amortiguador de muelles.

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | Rated R.P.M. | Rated I (A) | | Rat.. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P € | R.R.P € | R.R.P € |
|-------------|--------------------------|--------------|-------------|------|----------------|---------------|---------------|-----------|--------------------|--------------------|--------------------|
| | | | 230V | 400V | | | | | Ex-nA | Ex-e | Ex-d |
| Código | Modelo | R.P.M. nom. | I máx. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € | P.V.P € | P.V.P € |
| | | | 230V | 400V | | | | | Ex-nA | Ex-e | Ex-d |
| 501802213XY | MBRM 220 T2 0,18kW ATEX | 2800 | 0,87 | 0,51 | 0,51 | 790 | 47 | 18 | Consult /Consultar | Consult /Consultar | Consult /Consultar |
| 501802514XY | MBRM 251 T2 0,25kW ATEX | 2800 | 1,12 | 0,65 | 0,65 | 1.080 | 49 | 24 | Consult /Consultar | Consult /Consultar | Consult /Consultar |
| 501802515XY | MBRM 252 T2 0,37kW ATEX | 2800 | 1,58 | 0,91 | 0,91 | 1.370 | 51 | 26 | 1.435,20 | 1.595,00 | 1.781,60 |
| 501802816XY | MBRM 281 T2 0,55kW ATEX | 2800 | 2,23 | 1,29 | 1,29 | 1.620 | 53 | 30 | 1.595,90 | 1.762,80 | 2.020,00 |
| 501802817XY | MBRM 282 T2 0,75kW ATEX | 2800 | 2,75 | 1,58 | 1,58 | 1.800 | 54 | 35 | 1.665,80 | 1.851,00 | 2.062,40 |
| 501803118XY | MBRM 311 T2 1,1kW ATEX | 2800 | 4,05 | 2,33 | 2,33 | 2.520 | 57 | 42 | 1.816,70 | 2.014,40 | 2.201,90 |
| 501803119XY | MBRM 312 T2 1,5kW ATEX | 2800 | 5,46 | 3,14 | 3,14 | 2.520 | 57 | 45 | 1.980,40 | 2.305,50 | 2.404,50 |
| 501803519XY | MBRM 351 T2 1,5kW ATEX | 2800 | 5,46 | 3,14 | 3,14 | 2.160 | 55 | 66 | 2.217,60 | 2.542,70 | 2.641,70 |
| 501803527XY | MBRM 352 T2 2,2kW ATEX | 2800 | 7,97 | 4,58 | 4,58 | 3.960 | 59 | 70 | 2.247,50 | 2.561,20 | 2.736,40 |
| 501804029XY | MBRM 401 T2 3kW ATEX | 2870 | 10,3 | 5,92 | 5,92 | 5.400 | 63 | 85 | 2.743,50 | 3.095,20 | 3.399,80 |
| 501804032XY | MBRM 402 T2 4kW ATEX | 2890 | 13,3 | 7,63 | 7,63 | 6.120 | 64 | 93 | 2.873,40 | 3.585,90 | 3.725,00 |
| 501804534XY | MBRM 451 T2 5,5kW ATEX | 2900 | - | 10,6 | 10,6 | 7.920 | 66 | 115 | 3.632,10 | 4.326,00 | 4.879,10 |
| 501804536XY | MBRM 452 T2 7,5kW ATEX | 2900 | - | 14,1 | 14,1 | 7.920 | 66 | 118 | 3.712,00 | 4.479,30 | 5.149,10 |
| 501805021XY | MBRM 501 T2 11kW ATEX | 2930 | - | 20,8 | 20,8 | 10.800 | 70 | 175 | 4.861,60 | 5.916,20 | 6.416,40 |
| 501805024XY | MBRM 502 T2 15kW ATEX | 2930 | - | 27,4 | 27,4 | 10.800 | 71 | 180 | 5.004,90 | 6.405,30 | 7.590,40 |
| 501805626XY | MBRM 561 T2 18,5kW ATEX | 2935 | - | 34,4 | 34,4 | 16.200 | 73 | 220 | 6.090,60 | 7.577,00 | 8.812,20 |
| 501805628XY | MBRM 562 T2 22kW ATEX | 2940 | - | 39,8 | 39,8 | 16.200 | 73 | 276 | 6.937,20 | 10.944,10 | 10.969,90 |
| 501805045XY | MBRM 503 T4 1,1kW ATEX | 1400 | 4,33 | 2,49 | 2,49 | 4.680 | 55 | 100 | 3.178,60 | 3.361,60 | 3.539,80 |
| 501805046XY | MBRM 504 T4 1,5kW ATEX | 1400 | 5,67 | 3,26 | 3,26 | 5.400 | 56 | 106 | 3.233,40 | 3.423,50 | 3.676,90 |
| 501805654XY | MBRM 563 T4 2,2kW ATEX | 1430 | 8,07 | 4,64 | 4,64 | 7.200 | 58 | 128 | 4.366,70 | 4.627,80 | 5.020,00 |
| 501805656XY | MBRM 564 T4 3kW ATEX | 1430 | 10,7 | 6,17 | 6,17 | 7.920 | 59 | 136 | 4.416,60 | 4.689,70 | 5.168,50 |
| 501806359XY | MBRM 631 T4 4kW ATEX | 1440 | 14,5 | 8,32 | 8,32 | 10.080 | 61 | 190 | 5.176,30 | 5.599,00 | 6.184,40 |
| 501806361XY | MBRM 632 T4 5,5kW ATEX | 1440 | - | 10,5 | 10,5 | 10.800 | 64 | 205 | 5.579,30 | 6.438,20 | 6.827,40 |
| 501807163XY | MBRM 711 T4 7,5kW ATEX | 1440 | - | 14,1 | 14,1 | 14.400 | 64 | 287 | 6.018,10 | 6.863,50 | 7.468,10 |
| 501807149XY | MBRM 712 T4 11kW ATEX | 1460 | - | 21,2 | 21,2 | 18.000 | 66 | 338 | 6.747,10 | 8.035,30 | 9.108,20 |
| 501808052XY | MBRM 801 T4 15kW ATEX | 1460 | - | 29,8 | 29,8 | 21.600 | 67 | 504 | 7.676,60 | 9.234,80 | 10.205,60 |
| 501808053XY | MBRM 802 T4 18,5kW ATEX | 1465 | - | 35,6 | 35,6 | 25.200 | 68 | 512 | 8.197,30 | 12.101,50 | 12.423,60 |
| 501809057XY | MBRM 901 T4 30kW ATEX | 1475 | - | 56,3 | 56,3 | 32.400 | 71 | 684 | 10.743,80 | 16.167,60 | 17.040,60 |
| 501809058XY | MBRM 902 T4 37kW ATEX | 1475 | - | 69,2 | 69,2 | 32.400 | 72 | 767 | 11.479,50 | 18.221,50 | 19.290,70 |
| 501810060XY | MBRM 1001 T4 45kW ATEX | 1475 | - | 80,7 | 80,7 | 43.200 | 72 | 963 | 13.210,00 | 21.069,90 | 22.308,20 |
| 501810062XY | MBRM 1002 T4 55kW ATEX | 1480 | - | 97,1 | 97,1 | 46.800 | 74 | 1081 | 14.418,70 | 24.023,80 | 25.570,30 |
| 501808083XY | MBRM 803 T6 4kW ATEX | 960 | - | 9,46 | 9,46 | 14.400 | 60 | 391 | 6.562,10 | 8.101,70 | 8.184,60 |
| 501808085XY | MBRM 804 T6 5,5kW ATEX | 960 | - | 12,8 | 12,8 | 16.200 | 60 | 395 | 6.727,00 | 8.330,70 | 8.389,60 |
| 501809087XY | MBRM 903 T6 7,5kW ATEX | 965 | - | 15,2 | 15,2 | 21.600 | 62 | 511 | 9.098,10 | 11.644,70 | 11.787,90 |
| 501809075XY | MBRM 904 T6 11kW ATEX | 970 | - | 22,6 | 22,6 | 21.600 | 64 | 531 | 9.260,50 | 11.805,70 | 12.036,40 |
| 501810076XY | MBRM 1003 T6 15kW ATEX | 970 | - | 27,7 | 27,7 | 28.800 | 66 | 743 | 11.005,30 | 15.669,10 | 16.222,20 |
| 501810077XY | MBRM 1004 T6 18,5kW ATEX | 975 | - | 35,7 | 35,7 | 32.400 | 67 | 850 | 11.788,80 | 17.131,00 | 18.005,80 |

NOTE: consult prices for models from 1121 to 1402. Available bigger sizes. Consult.
 NOTA: Modelos de 1121 a 1402 consultar precio. Disponibles tamaños superiores. Consulte.



#boxbdplus #newfasteningsystem #nuevosistemasdefijación

MBRU ATEX

Backward impeller, dusty air, large pressures in ATEX environments

Ventilador centrífugo, para aire limpio o polvoriento ATEX



ATEX OPTIONS UNDER REQUEST | OPCIONES ATEX BAJO DEMANDA

Three-phase MOTOR explosion-proof under the ATEX 2014/34/EU Directive for working temperatures from -20°C to +40°C.
MOTORES trifásicos antiexplosivos bajo Directiva ATEX 2014/34/UE para temperaturas de trabajo de -20°C a +40°C.

- ATEX Explosion-proof for GAS | ATEX Antideflagrantes para GAS
- Ⓜ I12G Ex-d IIB T4 IP66
- Ⓜ I12G Ex-d IIC T4 IP66 (OPTIONAL PTC PROBE | SONDA PTC OPCIONAL)
- Ⓜ I12G Ex-d IIC T5 IP66
- ATEX Increased security for GAS | ATEX Seguridad aumentada para GAS:
- Ⓜ I12G Ex-e T3 IP55
- ATEX Protection "n" for GAS | ATEX Protección "n" para GAS:
- Ⓜ I13G Ex-nA IIC T4 Gc
- ATEX Protection "n" for GAS and NON-CONDUCTIVE DUST | ATEX Protección "n" para GAS y POLVO NO CONDUCTOR:
- Ⓜ I13GD Ex-Na IIC T4 Gc Ex-nc IIB T125° IP55 ZONA 22
- ATEX Explosion-proof for GAS and DUST | ATEX Antideflagrantes para GAS y POLVO:
- Ⓜ I12GD Ex-d IIC T4 IP66
- Ⓜ I12GD Ex-d IIC T5 IP66
- ATEX Increased security for DUST | ATEX Seguridad aumentada para POLVO:
- Ⓜ I13D Ex-e Dc
- ATEX Protection by enclosure for DRIVER DUST | ATEX Protección por recinto para POLVO CONDUCTOR:
- Ⓜ I13D Ex-nc IIC T125° Dc IP55 ZONA 22

To carry out the selection of an ATEX fan, please use the curves that you will find in the Fanware by Casals selection software. The electrical data of these ATEX models can be modified.
Para llevar a cabo la selección de un ventilador ATEX, por favor use las curvas que encontrará en el programa de selección Fanware by Casals. Los datos eléctricos de estos Modelos ATEX pueden verse modificados.

MANUFACTURING FEATURES

- Fan made of Fe360 sheet.
- Fully welded or joined housing.
- High efficiency single inlet and backward curved impeller made of Fe360 sheet statically and dynamically balanced.
- The fan paint finish is based on a Qualicoat polyester powder coating stoved at 200°C, with an average film thickness of 70 microns. Average heat resistance of coating is 180°C with peaks of 200°C.
- Impellers are painted with epoxy primer up to 300°C temperature resistant.
- Fans are equipped with protective grilles on the inlet and outlet.
- Standard asynchronous squirrel-cage motor with IP-55 protection and rated class F insulation. ATEX certified: I12G Ex-d, Ex-e / I13GD Ex-nA. Standard voltages 230/400V 50Hz for three phase motors up to 4kW, and 400/690V 50Hz for higher powers.
- Standard orientation LG270.
- Allows you to vary the orientation locally at models from 250 to 630. In sizes ranging from 710 to 1000, the orientation is fixed.

APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, air extraction or injection.
- Cooling of machines and parts.
- Transport of dusty air and small loads of pellet materials.
- Exhaust after filters, separators and cyclones.
- Pneumatic transport.
- Maximum working temperature: carried air 130°C; environment 60°C.

UNDER REQUEST

- 2 speed motors.
- Hot-dipped galvanised or stainless steel fans.
- Special motors for frequency regulation (recommended for motor sizes IEC280 and larger).
- Orientations: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180, LG225, LG315.

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador fabricado en chapa Fe360.
- Carcasa totalmente soldada o engatillada.
- Turbina de álabos curvados hacia atrás (a reacción) de simple aspiración y alto rendimiento, fabricada en Fe360 equilibrada estática y dinámicamente.
- Pintura formulada a base de poliéster en polvo Qualicoat polimerizada a 200°C con un grosor medio de 70 micras. La resistencia térmica media de la pintura es de 180°C con picos de 200°C.
- Las turbinas se pintan con imprimación epoxídica con una resistencia térmica de 300°C.
- Los ventiladores se suministran con rejilla de protección tanto en la boca de aspiración como en la de impulsión.
- Motor asíncrono ATEX normalizado de jaula de ardilla con protección IP-55, aislamiento clase F. Certificación ATEX: I12G Ex-d, Ex-e / I13GD Ex-nA. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Orientación estándar LG270.
- Permite variar la orientación en destino, en los Modelos del 250 al 630. En los tamaños que van del 710 al 1000, la orientación es fija.

APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Transporte de aire polvoriento o con ligera carga de materiales granulados.
- Aspiración después de filtros, separadores y ciclones.
- Transporte neumático.
- Temperatura máxima de trabajo en continuo: aire transportado 130°C; ambiente 60°C.

BAJO DEMANDA

- Motor 2 velocidades.
- Ventiladores fabricados en chapa galvanizada en caliente o acero inoxidable.
- Motores adaptados específicamente para regulación por frecuencia (recomendable para motores a partir de tamaño IEC280).
- Orientaciones: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180, LG225, LG315.

ACCESSORIES | ACCESORIOS



INT ATEX pg.434

Switch for ATEX environments. Interruptor para funcionar en entornos ATEX.



SFC pg.433

Frecuency speed controller. Variador de velocidad frecuencia.



RA pg.400

Inlet protection guard. Rejilla aspiración.



JE 45 pg.416

Flexible joint. Junta elástica.



SIL-C pg.426

Duct circular silencer. Silenciador circular conducto.



EI pg.412

Outlet flange. Embocadura impulsión.



BA-400 pg.416

Anti-vibrating flange 400º/2h. flexible. Brida antivibratoria 400º/2h.



AC pg.411

Connexion flange. Brida de conexión.



BAD pg.416

Circular-Circular coupling flange. Brida de acoplamiento circular-circular.



FS pg.409

Front support for medium and high pressure fans. Pie soporte delantero para ventiladores de media y alta presión



AB pg.425

Acoustic cabins for Casals centrifugal fans. Cabinas acústicas para ventiladores centrifugos Casals



RI pg.398

Outlet guard. Reja impulsión.



AVR pg.422

Anti-vibration rubber block. Amortiguador antivibrátil de caucho.



AVS pg.423

Spring anti-vibration blocks. Amortiguador de muelles.

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | Rated. R.P.M. | Rated I (A) | | Rat.. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € Ex-nA | R.R.P. € Ex-e | R.R.P. € Ex-d |
|-------------|-------------------------|------------------|-------------|------|-------------------|------------------|------------------|------------|-------------------|------------------|------------------|
| | | | 230V | 400V | | | | | | | |
| Código | Modelo | R.P.M. nom. | I máx. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € Ex-nA | P.V.P € Ex-e | P.V.P € Ex-d |
| | | | 230V | 400V | | | | | | | |
| 501902515XY | MBRU 250 T2 0,37kW ATEX | 2800 | 1,58 | 0,91 | 0,91 | 1.080 | 49 | 28 | 1.464,80 | 1.624,60 | 1.811,30 |
| 501902816XY | MBRU 280 T2 0,55kW ATEX | 2800 | 2,23 | 1,29 | 1,29 | 1.440 | 51 | 30 | 1.628,00 | 1.794,90 | 2.052,10 |
| 501903118XY | MBRU 310 T2 1,1kW ATEX | 2800 | 4,05 | 2,33 | 2,33 | 2.160 | 52 | 42 | 1.853,80 | 2.051,60 | 2.238,90 |
| 501903527XY | MBRU 350 T2 2,2kW ATEX | 2800 | 7,97 | 4,58 | 4,58 | 2.880 | 55 | 62 | 2.297,00 | 2.610,70 | 2.785,90 |
| 501904032XY | MBRU 400 T2 4kW ATEX | 2890 | 13,3 | 7,63 | 7,63 | 4.320 | 58 | 90 | 2.987,00 | 3.699,50 | 3.838,60 |
| 501904536XY | MBRU 450 T2 7,5kW ATEX | 2900 | - | 14,1 | 14,1 | 7.920 | 63 | 115 | 3.855,40 | 4.622,60 | 5.292,60 |
| 501905021XY | MBRU 501 T2 11kW ATEX | 2930 | - | 20,8 | 20,8 | 9.000 | 63 | 175 | 5.032,10 | 6.086,60 | 6.586,80 |
| 501905624XY | MBRU 561 T2 15kW ATEX | 2930 | - | 27,4 | 27,4 | 12.600 | 66 | 217 | 6.151,20 | 7.551,70 | 8.736,70 |
| 501905626XY | MBRU 562 T2 18,5kW ATEX | 2935 | - | 34,4 | 34,4 | 12.600 | 64 | 228 | 6.337,50 | 7.824,10 | 9.059,10 |
| 501906330XY | MBRU 631 T2 30kW ATEX | 2950 | - | 56,6 | 56,6 | 21.600 | 71 | 438 | 8.866,70 | 13.965,30 | 14.385,60 |
| 501906331XY | MBRU 632 T2 37kW ATEX | 2955 | - | 66,7 | 66,7 | 25.200 | 71 | 443 | 9.077,00 | 15.371,20 | 16.384,60 |
| 501907135XY | MBRU 711 T2 55kW ATEX | 2965 | - | 95 | 95 | 28.800 | 71 | 625 | 12.855,90 | 22.097,00 | 23.673,70 |
| 501907137XY | MBRU 712 T2 75kW ATEX | 2965 | - | 130 | 130 | 36.000 | 73 | 760 | 14.408,60 | 28.454,90 | 30.649,20 |
| 501908038XY | MBRU 801 T2 90kW ATEX | 2970 | - | 156 | 156 | 28.800 | 72 | 904 | 17.127,10 | 33.243,00 | 35.775,50 |
| 501908022XY | MBRU 802 T2 110kW ATEX | 2975 | - | 188 | 188 | 36.000 | 75 | 1046 | 23.022,50 | 41.681,90 | 44.776,30 |
| 501905045XY | MBRU 502 T4 1,1kW ATEX | 1400 | 4,33 | 2,49 | 2,49 | 3.600 | 51 | 100 | 3.373,70 | 3.556,80 | 3.735,00 |
| 501905654XY | MBRU 563 T4 2,2kW ATEX | 1430 | 8,07 | 4,64 | 4,64 | 6.120 | 53 | 143 | 4.613,70 | 4.875,00 | 5.267,10 |
| 501906359XY | MBRU 633 T4 4kW ATEX | 1440 | 14,5 | 8,32 | 8,32 | 10.800 | 55 | 190 | 5.495,00 | 5.917,70 | 6.503,10 |
| 501907161XY | MBRU 713 T4 5,5kW ATEX | 1440 | - | 10,5 | 10,5 | 10.080 | 56 | 275 | 6.261,00 | 7.120,10 | 7.509,20 |
| 501907163XY | MBRU 714 T4 7,5kW ATEX | 1440 | - | 14,1 | 14,1 | 14.400 | 60 | 288 | 6.410,90 | 7.256,30 | 7.860,90 |
| 501908049XY | MBRU 803 T4 11kW ATEX | 1460 | - | 21,2 | 21,2 | 16.200 | 58 | 418 | 8.125,70 | 9.413,90 | 10.486,80 |
| 501908052XY | MBRU 804 T4 15kW ATEX | 1460 | - | 29,8 | 29,8 | 25.200 | 62 | 432 | 8.326,40 | 9.884,60 | 10.855,40 |
| 501909053XY | MBRU 901 T4 18,5kW ATEX | 1465 | - | 35,6 | 35,6 | 18.000 | 59 | 590 | 10.514,60 | 14.418,80 | 14.740,90 |
| 501909057XY | MBRU 902 T4 30kW ATEX | 1475 | - | 56,3 | 56,3 | 32.400 | 65 | 687 | 11.610,90 | 17.034,80 | 17.907,70 |
| 501910058XY | MBRU 1001 T4 37kW ATEX | 1475 | - | 69,2 | 69,2 | 39.600 | 66 | 933 | 13.819,10 | 20.561,10 | 21.630,30 |
| 501910060XY | MBRU 1002 T4 45kW ATEX | 1475 | - | 80,7 | 80,7 | 43.200 | 66 | 975 | 14.220,40 | 22.080,30 | 23.318,70 |
| 501908083XY | MBRU 805 T6 4kW ATEX | 960 | 16,5 | 9,46 | 9,46 | 14.400 | 54 | 390 | 7.211,90 | 8.751,40 | 8.834,30 |
| 501909087XY | MBRU 903 T6 7,5kW ATEX | 965 | - | 15,2 | 15,2 | 21.600 | 55 | 504 | 9.965,20 | 12.511,80 | 12.655,00 |
| 501910075XY | MBRU 1003 T6 11kW ATEX | 970 | - | 22,6 | 22,6 | 25.200 | 59 | 684 | 11.600,10 | 14.145,20 | 14.375,90 |
| 501910076XY | MBRU 1004 T6 15kW ATEX | 970 | - | 27,7 | 27,7 | 28.800 | 59 | 759 | 12.015,70 | 16.679,40 | 17.232,50 |

NOTE: consult prices for models from 1121 to 1402. Available bigger sizes. Consult.

NOTA: Modelos de 1121 a 1402 consultar precio. Disponibles tamaños superiores. Consulte.

MBGR ATEX

Backward impeller, dusty air, large pressures in ATEX environments

Ventilador centrífugo, para aire limpio o ligeramente polvoriento ATEX



ATEX OPTIONS UNDER REQUEST | OPCIONES ATEX BAJO DEMANDA

Three-phase MOTOR explosion-proof under the ATEX 2014/34/EU Directive for working temperatures from -20°C to +40°C.
MOTORES trifásicos antiexplosivos bajo Directiva ATEX 2014/34/UE para temperaturas de trabajo de -20°C a +40°C.

- ATEX Explosion-proof for GAS | ATEX Antidiflagrantes para GAS

⊕II2G Ex-d IIB T4 IP66

⊕II2G Ex-d IIC T4 IP66 (OPTIONAL PTC PROBE | Sonda PTC OPCIONAL)

⊕II2G Ex-d IIC T5 IP66

- ATEX Increased security for GAS | ATEX Seguridad aumentada para GAS:

⊕II2G Ex-e T3 IP55

- ATEX Protection "n" for GAS | ATEX Protección "n" para GAS:

⊕II3G Ex-na IIC T4 Gc

- ATEX Protection "n" for GAS and NON-CONDUCTIVE DUST |

ATEX Protección "n" para GAS y POLVO NO CONDUCTOR:

⊕II3GD Ex-na IIC T4 Gc Ex-tc IIB T125° IP55 ZONA 22

- ATEX Explosion-proof for GAS and DUST | ATEX Antidiflagrantes para GAS y POLVO:

⊕II2GD Ex-d IIC T4 IP66

⊕II2GD Ex-d IIC T5 IP66

- ATEX Increased security for DUST | ATEX Seguridad aumentada para POLVO:

⊕II3D Ex-e Dc

- ATEX Protection by enclosure for DRIVER DUST | ATEX Protección por recinto para POLVO CONDUCTOR:

⊕II3D Ex-tc IIC T125° Dc IP55 ZONA 22

To carry out the selection of an ATEX fan, please use the curves that you will find in the Fanware by Casals selection software. The electrical data of these ATEX models can be modified.

Para llevar a cabo la selección de un ventilador ATEX, por favor use las curvas que encontrará en el programa de selección Fanware by Casals. Los datos eléctricos de estos Modelos ATEX pueden verse modificados.

MANUFACTURING FEATURES

- Fan made of Fe360 sheet. The fan paint finish is based on a Qualicoat polyester powder coating stoved at 200°C, with an average film thickness of 70 microns. Average heat resistance of coating is 180°C with peaks of 200°C.
- Fully welded housing.
- Single inlet backward curved impeller made of Fe360 sheet statically and dynamically balanced. Impellers are painted with epoxy primer up to 300°C temperature resistant.
- Fans are equipped with protective grilles on the inlet and outlet.
- Standard asynchronous squirrel-cage motor with IP-55 protection and class F insulation. ATEX certified: II2G Ex-d, Ex-e / II3GD Ex-na. Standard voltages 230/400V 50Hz in three phase motors up to 4kW and 400/690V 50Hz for higher powers.
- Standard orientation LG270.
- It allows adjusting the orientation locally from models 400 to 630. Models sizes from 710 to 1000 size the orientation is fixed.

APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, extraction or injection of air.
- Cooling of machines and parts.
- Transport of dusty air or with light load of granulated materials without passing inside the fan.
- Exhaust after filters, separators and cyclones.
- Pneumatic transport.
- Maximum working temperature: carried air 130°C, environment 60°C.

UNDER REQUEST

- 2 speed motors.
- Hot dip galvanized or stainless steel fans.
- Orientation: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180, LG225, LG315.

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador fabricado en chapa Fe360. La pintura de los ventiladores está formulada a base de poliéster en polvo Qualicoat polimerizada a 200°C con un grosor medio de 70 micras. La resistencia térmica media de la pintura es de 180°C con picos de 200°C.
- Carcasa totalmente soldada o engatillada.
- Turbina de álabes curvados hacia atrás (a reacción) de simple aspiración y alto rendimiento, fabricada en Fe360 equilibrada estática y dinámicamente. Las turbinas se pintan con imprimación epoxídica con una resistencia térmica de 300°C.
- Los ventiladores se suministran con rejilla de protección tanto en la boca de aspiración como en la de impulsión.
- Motor asíncrono ATEX normalizado de jaula de ardilla con protección IP-55, aislamiento clase F y certificación ATEX: II2G Ex-d, Ex-e / II3GD Ex-na. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Orientación estándar RD270.
- Permite variar la orientación en destino, en los Modelos del 400 al 630. En los tamaños que van del 710 al 1000, la orientación es fija.

APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Transporte de aire limpio o ligeramente polvoriento.
- Transporte de aire polvoriento o con ligera carga de materiales granulados sin pasar por el interior del ventilador.
- Aspiración después de filtros, separadores y ciclones.
- Transporte neumático.
- Temperatura máxima de trabajo en continuo: aire transportado 130°C, ambiente 60°C.

BAJO DEMANDA

- Motor 2 velocidades.
- Ventiladores fabricados en chapa galvanizada en caliente o acero inoxidable.
- Orientación: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, RD0, RD45, RD90, RD135, RD180, RD225, RD315.

ACCESSORIES | ACCESORIOS



INT ATEX pg.434

Switch for ATEX environments. Interruptor para funcionar en entornos ATEX.



SFC pg.433

Frequency speed controller. Variador de velocidad frecuencial.



RA pg.400

Inlet protection guard. Rejilla aspiración.



JE 45 pg.416

Flexible joint. Junta elástica.



SIL-C pg.426

Duct circular silencer. Silenciador circular conducto.



EI pg.412

Outlet flange. Embocadura impulsión.



BA-400 pg.416

Anti-vibrating flange 400°/2h. flexible. Brida antivibratoria 400°/2h.



AC pg.411

Connexion flange. Brida de conexión.



BAD pg.416

Circular-Circular coupling flange. Brida de acoplamiento circular-circular.



FS pg.409

Front support for medium and high pressure fans. Pie soporte delantero para ventiladores de media y alta presión



AB pg.425

Acoustic cabins for Casals centrifugal fans. Cabinas acústicas para ventiladores centrífugos Casals



RI pg.398

Outlet guard. Reja impulsión.



AVR pg.422

Anti-vibration rubber block. Amortiguador antivibrátil de caucho.



AVS pg.423

Spring anti-vibration blocks. Amortiguador de muelles.

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | Rated. R.P.M. | Rated I (A) | | Rat.. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € Ex-nA | R.R.P. € Ex-e | R.R.P. € Ex-d |
|-------------|-------------------------|------------------|-------------|------|-------------------|------------------|------------------|--------------|-------------------|------------------|------------------|
| | | | 230V | 400V | | | | | | | |
| Código | Modelo | R.P.M. nom. | I máx. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € Ex-nA | P.V.P. € Ex-e | P.V.P. € Ex-d |
| | | | 230V | 400V | | | | | | | |
| 502004027XY | MBGR 401 T2 2,2kW ATEX | 2800 | 7,97 | 4,58 | 4,58 | 2.880 | 56 | 73 | 2.717,00 | 3.030,70 | 3.205,80 |
| 502004029XY | MBGR 402 T2 3kW ATEX | 2870 | 10,3 | 5,92 | 5,92 | 3.600 | 60 | 81 | 2.881,80 | 3.233,40 | 3.538,80 |
| 502004532XY | MBGR 451 T2 4kW ATEX | 2890 | 13,3 | 7,63 | 7,63 | 4.320 | 62 | 107 | 3.330,30 | 4.042,90 | 4.181,90 |
| 502004534XY | MBGR 452 T2 5,5kW ATEX | 2900 | - | 10,6 | 10,6 | 5.400 | 67 | 136 | 3.753,20 | 4.447,10 | 5.000,30 |
| 502005036XY | MBGR 501 T2 7,5kW ATEX | 2900 | - | 14,1 | 14,1 | 7.200 | 71 | 145 | 4.159,10 | 4.926,50 | 5.596,30 |
| 502005021XY | MBGR 502 T2 11kW ATEX | 2930 | - | 20,8 | 20,8 | 8.640 | 73 | 210 | 5.009,80 | 6.064,40 | 6.564,70 |
| 502005621XY | MBGR 561 T2 11kW ATEX | 2930 | - | 20,8 | 20,8 | 8.640 | 71 | 227 | 5.807,80 | 6.862,40 | 7.362,60 |
| 502005624XY | MBGR 562 T2 15kW ATEX | 2930 | - | 27,4 | 27,4 | 12.600 | 75 | 240 | 5.951,10 | 7.351,50 | 8.536,60 |
| 502006328XY | MBGR 631 T2 22kW ATEX | 2940 | - | 39,8 | 39,8 | 14.400 | 77 | 315 | 7.972,40 | 11.979,20 | 12.005,00 |
| 502006330XY | MBGR 632 T2 30kW ATEX | 2950 | - | 56,6 | 56,6 | 18.000 | 78 | 400 | 8.906,30 | 14.004,80 | 14.425,10 |
| 502007131XY | MBGR 711 T2 37kW ATEX | 2955 | - | 66,7 | 66,7 | 19.800 | 82 | 492 | 10.131,80 | 16.426,20 | 17.439,50 |
| 502007133XY | MBGR 712 T2 45kW ATEX | 2960 | - | 78 | 78 | 21.600 | 83 | 602 | 11.235,40 | 19.155,10 | 20.449,30 |
| 502008037XY | MBGR 801 T2 75kW ATEX | 2965 | - | 130 | 130 | 28.800 | 85 | 800 | 15.565,00 | 29.611,10 | 31.805,40 |
| 502008038XY | MBGR 802 T2 90kW ATEX | 2970 | - | 156 | 156 | 36.000 | 86 | 860 | 16.983,80 | 33.099,70 | 35.632,30 |
| 502009023XY | MBGR 901 T2 132kW ATEX | 2980 | - | 223 | 223 | 36.000 | 90 | 1065 | 25.404,20 | 51.152,50 | 55.372,00 |
| 502009025XY | MBGR 902 T2 160kW ATEX | 2980 | - | 269 | 269 | 46.800 | 92 | 1090 | Consult/Consultar | 60.435,60 | 65.780,10 |
| 502005646XY | MBGR 563 T4 1,5kW ATEX | 1400 | 5,67 | 3,26 | 3,26 | 4.680 | 54 | 165 | 4.258,80 | 4.448,80 | 4.702,30 |
| 502005654XY | MBGR 564 T4 2,2kW ATEX | 1430 | 8,07 | 4,64 | 4,64 | 5.400 | 56 | 169 | 4.413,70 | 4.674,90 | 5.067,00 |
| 502006356XY | MBGR 633 T4 3kW ATEX | 1430 | 10,7 | 6,17 | 6,17 | 6.120 | 58 | 180 | 5.414,70 | 5.687,80 | 6.166,50 |
| 502006359XY | MBGR 634 T4 4kW ATEX | 1440 | 14,5 | 8,32 | 8,32 | 7.920 | 60 | 190 | 5.534,60 | 5.957,30 | 6.542,60 |
| 502007159XY | MBGR 713 T4 4kW ATEX | 1440 | 14,5 | 8,32 | 8,32 | 9.360 | 62 | 249 | 5.757,00 | 6.179,60 | 6.765,00 |
| 502007161XY | MBGR 714 T4 5,5kW ATEX | 1440 | - | 10,5 | 10,5 | 10.800 | 65 | 272 | 6.159,80 | 7.018,90 | 7.408,00 |
| 502008063XY | MBGR 803 T4 7,5kW ATEX | 1440 | - | 14,1 | 14,1 | 10.800 | 65 | 370 | 7.253,30 | 8.098,70 | 8.703,30 |
| 502008049XY | MBGR 804 T4 11kW ATEX | 1460 | - | 21,2 | 21,2 | 18.000 | 69 | 415 | 7.982,30 | 9.270,50 | 10.343,40 |
| 502009052XY | MBGR 903 T4 15kW ATEX | 1460 | - | 29,8 | 29,8 | 19.800 | 68 | 495 | 9.652,90 | 11.211,10 | 12.182,00 |
| 502009055XY | MBGR 904 T4 22kW ATEX | 1470 | - | 40,1 | 40,1 | 25.200 | 74 | 576 | 10.374,30 | 14.724,20 | 14.945,30 |
| 502010057XY | MBGR 1001 T4 30kW ATEX | 1475 | - | 56,3 | 56,3 | 28.800 | 76 | 794 | 12.433,60 | 17.857,50 | 18.730,30 |
| 502010058XY | MBGR 1002 T4 37kW ATEX | 1475 | - | 69,2 | 69,2 | 36.000 | 77 | 893 | 13.169,30 | 19.911,30 | 20.980,50 |
| 502009083XY | MBGR 905 T6 4kW ATEX | 960 | 16,5 | 9,46 | 9,46 | 10.800 | 55 | 441 | 8.538,40 | 10.078,00 | 10.160,90 |
| 502009085XY | MBGR 906 T6 5,5kW ATEX | 960 | - | 12,8 | 12,8 | 14.400 | 57 | 450 | 8.703,30 | 10.307,20 | 10.365,90 |
| 502010087XY | MBGR 1003 T6 7,5kW ATEX | 965 | - | 15,2 | 15,2 | 18.000 | 62 | 613 | 10.787,90 | 13.334,50 | 13.477,80 |
| 502010075XY | MBGR 1004 T6 11kW ATEX | 970 | - | 22,6 | 22,6 | 21.600 | 68 | 626 | 10.950,30 | 13.495,50 | 13.726,30 |

NOTE: consult prices for models from 1121 to 1402. Available bigger sizes. Consult.
 NOTA: Modelos de 1121 a 1402 consultar precio. Disponibles tamaños superiores. Consulte.



ZONES AND CATEGORIES FOR GAS AND DUST ZONAS Y CATEGORIAS PARA GAS Y POLVO

GAS

ZONES
ZONAS

0: always present
presencia permanente

1: occasional presence
presencia ocasional

2: rare presence
presencia rara

CATEGORY RD 144/16
CATEGORIA RD 144/16

1G

2G or 1G

3G, 2G or 1G

EPL UNE-EN 60079-14
EPL UNE-EN 60079-14

Ga

Gb or Ga

Gc, Gb or Gc

DUST
POLVO

20: always present
presencia permanente

21: occasional presence
presencia ocasional

22: rare presence
presencia rara

1D

2D or 1D

3D, 2D or 1D

Da

Db or Da

Dc, Db or Da

MBZM P/R ATEX

Centrifugal fan for solid material transport in ATEX environment

Ventilador centrífugo para transporte de material sólido ATEX



ATEX OPTIONS UNDER REQUEST | OPCIONES ATEX BAJO DEMANDA

Three-phase MOTOR explosion-proof under the ATEX 2014/34/EU Directive for working temperatures from -20°C to +40°C.
MOTORES trifásicos antiexplosivos bajo Directiva ATEX 2014/34/UE para temperaturas de trabajo de -20°C a +40°C.

- ATEX Explosion-proof for GAS | ATEX Antideflagrantes para GAS
Ⓜ I12G Ex-d IIB T4 IP66
Ⓜ I12G Ex-d IIC T4 IP66 (OPTIONAL PTC PROBE | SONDA PTC OPCIONAL)
Ⓜ I12G Ex-d IIC T5 IP66
- ATEX Increased security for GAS | ATEX Seguridad aumentada para GAS:
Ⓜ I12G Ex-e T3 IP55
- ATEX Protection "n" for GAS | ATEX Protección "n" para GAS:
Ⓜ I13G Ex-nA IIC T4 Gc
- ATEX Protection "n" for GAS and NON-CONDUCTIVE DUST | ATEX Protección "n" para GAS y POLVO NO CONDUCTOR:
Ⓜ I13GD Ex-na IIC T4 Gc Ex-nc IIB T125° IP55 ZONA 22
- ATEX Explosion-proof for GAS and DUST | ATEX Antideflagrantes para GAS y POLVO:
Ⓜ I12GD Ex-d IIC T4 IP66
Ⓜ I12GD Ex-d IIC T5 IP66
- ATEX Increased security for DUST | ATEX Seguridad aumentada para POLVO:
Ⓜ I13D Ex-e Dc
- ATEX Protection by enclosure for DRIVER DUST | ATEX Protección por recinto para POLVO CONDUCTOR:
Ⓜ I13D Ex-nc IIC T125° Dc IP55 ZONA 22

To carry out the selection of an ATEX fan, please use the curves that you will find in the Fanware by Casals selection software. The electrical data of these ATEX models can be modified.

Para llevar a cabo la selección de un ventilador ATEX, por favor use las curvas que encontrará en el programa de selección Fanware by Casals. Los datos eléctricos de estos Modelos ATEX pueden verse modificados.

MANUFACTURING FEATURES

- Fan made of Fe360 sheet.
- Fully welded and reinforced housing.
- Single inlet straight blade impeller made of Fe360 sheet statically and dynamically balanced.
- The fan paint finish is based on a Qualicoat polyester powder coating stoved at 200°C, with an average film thickness of 70 microns. Average heat resistance of coating is 180°C with peaks of 200°C.
- Impellers are painted with epoxy primer up to 300°C temperature resistant.
- Fans are equipped with protective grilles on the inlet and outlet.
- Standard asynchronous squirrel-cage motor with IP-55 protection and rated class F insulation. ATEX certified: I12G Ex-d, Ex-e / I13GD Ex-nA. Standard voltages 230/400V 50Hz for three phase motors up to 4kW and 400/690V 50Hz for higher powers.
- Standard orientation LG270.
- It allows adjusting the orientation locally from models 220 to 630. Models sizes from 710 to 1000 size the orientation is fixed.

APPLICATIONS

Designed for inline installation, they are suitable for:

- For pneumatic transport of solid materials mixed with air, sawdust and wood chips; also filamentary materials.
- Maximum working temperature: carried air 130°C; environment 60°C.

UNDER REQUEST

- 2 speed motors.
- Hot-dipped galvanised or stainless steel fans.
- Orientation: RDO, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180, LG225, LG315.

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador fabricado en chapa Fe360.
- Carcasa totalmente soldada y reforzada.
- Turbina de pala recta y simple aspiración fabricada en Fe360 equilibrada estática y dinámicamente.
- La pintura de los ventiladores está formulada a base de poliéster en polvo Qualicoat polimerizada a 200°C con un grosor medio de 70 micras. La resistencia térmica media de la pintura es de 180°C con picos de 200°C.
- Las turbinas se pintan con imprimación epoxídica con una resistencia térmica de 300°C.
- Los ventiladores se suministran con rejilla de protección tanto en la boca de aspiración como en la de impulsión.
- Motor asíncrono ATEX normalizado de jaula de ardilla con protección IP-55, aislamiento clase F y certificación ATEX: I12G Ex-d, Ex-e / I13GD Ex-nA. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Orientación estándar LG270.
- Permite variar la orientación en destino, en los Modelos del 220 al 630. En los tamaños que van del 710 al 1000, la orientación es fija.

APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Para transporte neumático de materiales sólidos mezclados con aire, serrín y virutas de madera; también para materiales filamentosos.
- Temperatura máxima de trabajo en continuo: aire transportado 130°C, ambiente 60°C.

BAJO DEMANDA

- Motor 2 velocidades.
- Ventiladores fabricados en chapa galvanizada en caliente o acero inoxidable.
- Orientación: RDO, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180, LG225, LG315.

ACCESSORIES | ACCESORIOS



INT ATEX pg.434

Switch for ATEX environments.
Interruptor para funcionar en entornos ATEX.



SFC pg.433

Frequency speed controller.
Variador de velocidad frecuencial.



EI pg.412

Outlet flange.
Embocadura impulsión.



JE 45 pg.416

Flexible joint.
Junta elástica.



SIL-C pg.426

Duct circular silencer.
Silenciador circular conducto.



BAD pg.416

Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



BA-400 pg.416

Anti-vibrating flange 400°/2h.
flexible.
Brida antivibratoria 400°/2h.



AC pg.411

Connexion flange.
Brida de conexión.



AVS pg.423

Spring anti-vibration blocks.
Amortiguador de muelles.



FS pg.409

Front support for medium and high pressure fans.
Pie soporte delantero para ventiladores de media y alta presión



AB pg.425

Acoustic cabins for Casals centrifugal fans.
Cabinas acústicas para ventiladores centrífugos Casals



AVR pg.422

Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | Rated. R.P.M. | Rated I (A) | | Rat.. Power kW | Air flow m ³ /h | Sound dB (A) | Weight Kg | R.R.P € Ex-nA | R.R.P € Ex-e | R.R.P € Ex-d |
|-------------|-----------------------------|------------------|-------------|------|-------------------|-------------------------------|------------------|--------------|------------------|-----------------|-----------------|
| | | | 230V | 400V | | | | | | | |
| Código | Modelo | R.P.M. nom. | I máx. (A) | | P. Nom. kW | Q máx. m ³ /h | Sonido dB (A) | Peso Kg | P.V.P € Ex-nA | P.V.P € Ex-e | P.V.P € Ex-d |
| | | | 230V | 400V | | | | | | | |
| 501502215XY | MBZM 220 T2 0,37kW P/R ATEX | 2800 | 1,58 | 0,91 | 0,91 | 870 | 52 | 20 | 1.311,70 | 1.471,50 | 1.658,10 |
| 501502516XY | MBZM 251 T2 0,55kW P/R ATEX | 2800 | 2,23 | 1,29 | 1,29 | 1.080 | 55 | 25 | 1.442,70 | 1.609,60 | 1.866,80 |
| 501502517XY | MBZM 252 T2 0,75kW P/R ATEX | 2800 | 2,75 | 1,58 | 1,58 | 1.230 | 56 | 30 | 1.512,70 | 1.697,80 | 1.909,30 |
| 501502818XY | MBZM 281 T2 1,1kW P/R ATEX | 2800 | 4,05 | 2,33 | 2,33 | 1.370 | 57 | 33 | 1.680,80 | 1.878,50 | 2.066,00 |
| 501502819XY | MBZM 282 T2 1,5kW P/R ATEX | 2800 | 5,46 | 3,14 | 3,14 | 1.800 | 59 | 37 | 1.844,60 | 2.169,70 | 2.268,70 |
| 501503119XY | MBZM 311 T2 1,5kW P/R ATEX | 2800 | 5,46 | 3,14 | 3,14 | 1.620 | 59 | 43 | 1.975,50 | 2.300,60 | 2.399,60 |
| 501503127XY | MBZM 312 T2 2,2kW P/R ATEX | 2800 | 7,97 | 4,58 | 4,58 | 2.160 | 61 | 47 | 2.005,40 | 2.319,10 | 2.494,40 |
| 501503529XY | MBZM 351 T2 3kW P/R ATEX | 2870 | 10,3 | 5,92 | 5,92 | 2.520 | 64 | 63 | 2.405,00 | 2.756,70 | 3.061,30 |
| 501503532XY | MBZM 352 T2 4kW P/R ATEX | 2890 | 13,3 | 7,63 | 7,63 | 3.600 | 65 | 72 | 2.534,90 | 3.247,40 | 3.386,40 |
| 501504034XY | MBZM 401 T2 5,5kW P/R ATEX | 2900 | - | 10,6 | 10,6 | 4.320 | 67 | 101 | 3.288,70 | 3.982,70 | 4.535,80 |
| 501504036XY | MBZM 402 T2 7,5kW P/R ATEX | 2900 | - | 14,1 | 14,1 | 5.400 | 69 | 106 | 3.368,60 | 4.135,90 | 4.805,80 |
| 501504521XY | MBZM 452 T2 11kW P/R ATEX | 2930 | - | 20,8 | 20,8 | 7.200 | 72 | 155 | 4.518,20 | 5.572,80 | 6.073,00 |
| 501505024XY | MBZM 501 T2 15kW P/R ATEX | 2930 | - | 27,4 | 27,4 | 9.000 | 73 | 180 | 4.982,70 | 6.383,20 | 7.568,20 |
| 501505028XY | MBZM 502 T2 22kW P/R ATEX | 2940 | - | 39,8 | 39,8 | 10.800 | 75 | 250 | 5.909,50 | 9.916,40 | 9.942,10 |
| 501504546XY | MBZM 454 T4 1,5kW P/R ATEX | 1400 | 5,67 | 3,26 | 3,26 | 3.600 | 58 | 85 | 2.904,90 | 3.095,00 | 3.348,40 |
| 501505054XY | MBZM 503 T4 2,2kW P/R ATEX | 1430 | 8,07 | 4,64 | 4,64 | 4.680 | 57 | 112 | 3.366,10 | 3.627,40 | 4.019,50 |
| 501505056XY | MBZM 504 T4 3kW P/R ATEX | 1430 | 10,7 | 6,17 | 6,17 | 5.400 | 61 | 117 | 3.416,10 | 3.689,30 | 4.167,90 |
| 501505659XY | MBZM 561 T4 4kW P/R ATEX | 1440 | 14,5 | 8,32 | 8,32 | 6.120 | 62 | 156 | 4.539,00 | 4.961,70 | 5.547,10 |
| 501505661XY | MBZM 562 T4 5,5kW P/R ATEX | 1440 | - | 10,5 | 10,5 | 7.200 | 63 | 177 | 4.941,80 | 5.800,90 | 6.190,00 |
| 501506363XY | MBZM 631 T4 7,5kW P/R ATEX | 1440 | - | 14,1 | 14,1 | 7.920 | 64 | 202 | 5.664,80 | 6.510,20 | 7.114,80 |
| 501506349XY | MBZM 632 T4 11kW P/R ATEX | 1460 | - | 21,2 | 21,2 | 10.080 | 66 | 250 | 6.393,80 | 7.682,00 | 8.754,90 |
| 501507149XY | MBZM 711 T4 11kW P/R ATEX | 1460 | - | 21,2 | 21,2 | 12.600 | 68 | 358 | 6.564,30 | 7.852,40 | 8.925,30 |
| 501507152XY | MBZM 712 T4 15kW P/R ATEX | 1460 | - | 29,8 | 29,8 | 12.600 | 69 | 370 | 6.764,90 | 8.323,10 | 9.293,90 |
| 501508053XY | MBZM 801 T4 18,5kW P/R ATEX | 1465 | - | 35,6 | 35,6 | 19.800 | 71 | 526 | 7.994,70 | 11.898,90 | 12.221,00 |
| 501508057XY | MBZM 802 T4 30kW P/R ATEX | 1475 | - | 56,3 | 56,3 | 21.600 | 72 | 639 | 8.950,20 | 14.374,10 | 15.246,90 |
| 501509058XY | MBZM 901 T4 37kW P/R ATEX | 1475 | - | 69,2 | 69,2 | 28.800 | 75 | 782 | 11.178,20 | 17.920,20 | 18.989,40 |
| 501509060XY | MBZM 902 T4 45kW P/R ATEX | 1475 | - | 80,7 | 80,7 | 28.800 | 75 | 817 | 11.579,50 | 19.439,40 | 20.677,70 |
| 501510062XY | MBZM 1001 T4 55kW P/R ATEX | 1480 | - | 97,1 | 97,1 | 36.000 | 76 | 1083 | 14.050,50 | 23.655,80 | 25.202,10 |
| 501510064XY | MBZM 1002 T4 75kW P/R ATEX | 1480 | - | 133 | 133 | 42.120 | 78 | 1227 | 16.969,90 | 30.322,00 | 32.460,40 |

NOTE: consult prices for models from 1121 to 1402. Available bigger sizes. Consult.

NOTA: Modelos de 1121 a 1402 consultar precio. Disponibles tamaños superiores. Consulte.

AAVA ATEX

High pressure fan for clear air in ATEX environments

Ventilador de alta presión para aire limpio ATEX



MANUFACTURING FEATURES

- Fan made of Fe360 sheet. The fan paint finish is based on a Qualicoat polyester powder coating stoved at 200°C, with an average film thickness of 70 microns. Average heat resistance of coating is 180°C with peaks of 200°C.
- High efficiency single inlet backward curved impeller made of Fe360 sheet statically and dynamically balanced. Impellers are painted with epoxy primer up to 300°C temperature resistant.
- Fans are equipped with protective grilles on the inlet and outlet.
- Standard asynchronous squirrel-cage motor with IP-55 protection and class F insulation. ATEX certified: II2G Ex-d, Ex-e / II3GD Ex-nA. Standard voltages and 230/400V 50Hz in three phase motors up to 4kW and 400/690V 50Hz for higher powers.
- Standard orientation LG270.
- It allows adjusting the orientation locally from models 220 to 630. Models sizes from 710 to 1000 size the orientation is fixed.

APPLICATIONS

- Designed for inline installation, they are suitable for:
- Industrial applications, air extraction or injection.
 - Cooling of machines and parts.
 - Clean air transport.
 - Exhaust after filters, separators and cyclones.
 - Pneumatic transport.
 - Maximum working temperature: carried air 130°C; environment 60°C.

UNDER REQUEST

- 2 speed motors.
- Hot-dipped galvanised or stainless steel fans.

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador fabricado en chapa Fe360. La pintura de los ventiladores está formulada a base de poliéster en polvo Qualicoat polimerizada a 200°C con un grosor medio de 70 micras. La resistencia térmica media de la pintura es de 180°C con picos de 200°C.
- Turbina reacción y simple aspiración, fabricada en Fe360 equilibrada estática y dinámicamente. Las turbinas se pintan con imprimación epoxídica con una resistencia térmica de 300°C.
- Los ventiladores se suministran con rejilla de protección tanto en la boca de aspiración como en la de impulsión.
- Motor asíncrono ATEX normalizado de jaula de ardilla con protección IP-55, aislamiento clase F y certificación ATEX: II2G Ex-d, Ex-e / II3GD Ex-nA. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Orientación estándar LG270.
- Permite variar la orientación en destino, en los Modelos del 220 al 630. En los tamaños que van del 710 al 1000, la orientación es fija.

APLICACIONES

- Diseñados para instalación en conducto, son indicados para:
- Procesos industriales, extracción o inyección localizada.
 - Refrigeración de máquinas, enfriamiento de piezas.
 - Transporte de aire limpio.
 - Aspiración después de filtros, separadores y ciclones.
 - Transporte neumático.
 - Temperatura máxima de trabajo en continuo: aire transportado 130°C, ambiente 60°C.

BAJO DEMANDA

- Motor 2 velocidades.
- Ventiladores fabricados en chapa galvanizada en caliente o acero inoxidable.

ATEX OPTIONS UNDER REQUEST | OPCIONES ATEX BAJO DEMANDA

Three-phase MOTOR explosion-proof under the ATEX 2014/34/EU Directive for working temperatures from -20°C to +40°C.
MOTORES trifásicos antiexplosivos bajo Directiva ATEX 2014/34/UE para temperaturas de trabajo de -20°C a +40°C.

- ATEX Explosion-proof for GAS | ATEX Antideflagrantes para GAS
ⓈII2G Ex-d IIB T4 IP66
ⓈII2G Ex-d IIC T4 IP66 (OPTIONAL PTC PROBE | SONDA PTC OPCIONAL)
ⓈII2G Ex-d IIC T5 IP66
- ATEX Increased security for GAS | ATEX Seguridad aumentada para GAS:
ⓈII2G Ex-e T3 IP55
- ATEX Protection "n" for GAS | ATEX Protección "n" para GAS:
ⓈII3G Ex-nA IIC T4 Gc
- ATEX Protection "n" for GAS and NON-CONDUCTIVE DUST | ATEX Protección "n" para GAS y POLVO NO CONDUCTOR:
ⓈII3GD Ex-No IIC T4 Gc Ex-nc IIB T125° IP55 ZONA 22
- ATEX Explosion-proof for GAS and DUST | ATEX Antideflagrantes para GAS y POLVO:
ⓈII2GD Ex-d IIC T4 IP66
ⓈII2GD Ex-d IIC T5 IP66
- ATEX Increased security for DUST | ATEX Seguridad aumentada para POLVO:
ⓈII3D Ex-e Dc
- ATEX Protection by enclosure for DRIVER DUST | ATEX Protección por recinto para POLVO CONDUCTOR:
ⓈII3D Ex-nc IIC T125° Dc IP55 ZONA 22

To carry out the selection of an ATEX fan, please use the curves that you will find in the Fanware by Casals selection software. The electrical data of these ATEX models can be modified.
Para llevar a cabo la selección de un ventilador ATEX, por favor use las curvas que encontrará en el programa de selección Fanware by Casals. Los datos eléctricos de estos Modelos ATEX pueden verse modificados.

ACCESSORIES | ACCESORIOS

INT ATEX pg.434
Switch for ATEX environments.
Interruptor para funcionar en entornos ATEX.

SFC pg.433
Frequency speed controller.
Variador de velocidad frecuencial.

RA pg.400
Inlet protection guard.
Rejilla aspiración.

JE 45 pg.416
Flexible joint.
Junta elástica.

SIL-C pg.426
Duct circular silencer.
Silenciador circular conducto.

EI pg.412
Outlet flange.
Embocadura impulsión.

BA-400 pg.416
Anti-vibrating flange 400°/2h. flexible.
Brida antivibratoria 400°/2h.

FS pg.409
Front support for medium and high pressure fans
Pie soporte delantero para ventiladores de media y alta presión

AB pg.425
Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals

AVR pg.422
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.

AVS pg.423
Spring anti-vibration blocks.
Amortiguador de muelles.

RI pg.398
Outlet protection guard.
Reja de protección.

AC pg.411
Connexion flange.
Brida de conexión.

BAD pg.416
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.

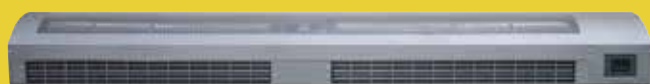
THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | Rated R.P.M. | Rated I (A) | | Rat.. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € Ex-nA | R.R.P. € Ex-e | R.R.P. € Ex-d |
|-------------|----------------------------|--------------|-------------|------|----------------|---------------|---------------|-----------|--------------------|--------------------|--------------------|
| | | | 230V | 400V | | | | | | | |
| Código | Modelo | R.P.M. nom. | I máx. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € Ex-nA | P.V.P € Ex-e | P.V.P € Ex-d |
| | | | 230V | 400V | | | | | | | |
| 502403114XY | AAVA 310/P T2 0,25kW ATEX | 2800 | 1,12 | 0,65 | 0,65 | 110 | 58 | 29 | Consult./Consultar | Consult./Consultar | Consult./Consultar |
| 502403515XY | AAVA 350/P T2 0,37kW ATEX | 2800 | 1,58 | 0,91 | 0,91 | 180 | 60 | 33 | 1.751,50 | 1.911,30 | 2.097,90 |
| 502404016XY | AAVA 400/P T2 0,55kW ATEX | 2800 | 2,23 | 1,29 | 1,29 | 250 | 62 | 44 | 1.966,50 | 2.133,30 | 2.390,50 |
| 502404517XY | AAVA 450/P T2 0,75kW ATEX | 2800 | 2,75 | 1,58 | 1,58 | 320 | 64 | 46 | 2.184,60 | 2.369,70 | 2.581,20 |
| 502405018XY | AAVA 500/P T2 1,1kW ATEX | 2800 | 4,05 | 2,33 | 2,33 | 330 | 66 | 51 | 2.293,60 | 2.491,30 | 2.678,70 |
| 502405619XY | AAVA 560/P T2 1,5kW ATEX | 2800 | 5,46 | 3,14 | 3,14 | 360 | 68 | 89 | 3.104,60 | 3.429,60 | 3.528,70 |
| 502406319XY | AAVA 631/P T2 1,5kW ATEX | 2800 | 5,46 | 3,14 | 3,14 | 330 | 69 | 116 | 3.228,00 | 3.553,10 | 3.652,10 |
| 502406327XY | AAVA 632/P T2 2,2kW ATEX | 2800 | 7,97 | 4,58 | 4,58 | 400 | 70 | 119 | 3.258,00 | 3.571,70 | 3.746,80 |
| 502407129XY | AAVA 711/P T2 3kW ATEX | 2870 | 10,3 | 5,92 | 5,92 | 470 | 73 | 149 | 3.924,30 | 4.276,00 | 4.580,60 |
| 502407132XY | AAVA 712/P T2 4kW ATEX | 2890 | 13,3 | 7,63 | 7,63 | 540 | 74 | 168 | 4.054,20 | 4.766,80 | 4.905,80 |
| 502408032XY | AAVA 801/P T2 4kW ATEX | 2890 | 13,3 | 7,63 | 7,63 | 470 | 76 | 195 | 4.632,30 | 5.344,80 | 5.483,90 |
| 502408034XY | AAVA 802/P T2 5,5kW ATEX | 2900 | - | 10,6 | 10,6 | 540 | 78 | 197 | 5.055,10 | 5.749,10 | 6.302,20 |
| 502409021XY | AAVA 901/P T2 11kW ATEX | 2930 | - | 20,8 | 20,8 | 870 | 81 | 330 | 5.906,60 | 6.961,20 | 7.461,40 |
| 502408036XY | AAVA 803/P T2 7,5kW ATEX | 2900 | - | 14,1 | 14,1 | 720 | 80 | 197 | 6.026,90 | 6.794,20 | 7.464,10 |
| 502409024XY | AAVA 902/P T2 15kW ATEX | 2930 | - | 27,4 | 27,4 | 1.230 | 83 | 390 | 6.941,80 | 8.342,20 | 9.527,30 |
| 502410026XY | AAVA 1001/P T2 18,5kW ATEX | 2935 | - | 34,4 | 34,4 | 1.440 | 85 | 442 | 9.917,40 | 11.403,80 | 12.639,00 |
| 502410028XY | AAVA 1002/P T2 22kW ATEX | 2940 | - | 39,8 | 39,8 | 1.640 | 87 | 501 | 10.657,80 | 14.664,70 | 14.690,50 |

NOTE: consult prices for models from 1121 to 1402. Available bigger sizes. Consult.
 NOTA: Modelos de 1121 a 1402 consultar precio. Disponibles tamaños superiores. Consulte.



AIR CURTAINS CORTINAS DE AIRE



COURSALIS
Only air | sólo aire



COURSALIS & COURSALIS E
Only air | sólo aire & with heating | con calefacción



AAVC ATEX

High pressure fan for clean air in ATEX environments

Ventilador de alta presión para aire limpio ATEX



MANUFACTURING FEATURES

- Fan made of Fe360 sheet. The fan paint finish is based on a Qualicoat polyester powder coating stoved at 200°C, with an average film thickness of 70 microns. Average heat resistance of coating is 180°C with peaks of 200°C.
- High efficiency single inlet backward curved impeller made of Fe360 sheet statically and dynamically balanced. Impellers are painted with epoxy primer up to 300°C temperature resistant.
- Fans are equipped with protective grilles on the inlet and outlet.
- Standard asynchronous squirrel-cage motor with IP-55 protection and class F insulation. ATEX certified: II2G Ex-d, Ex-e / II3GD Ex-nA. Standard voltages 230/400V 50Hz in three phase motors up to 4kW and 400/690V 50Hz for higher powers.
- Standard orientation LG270.
- It allows adjusting the orientation locally.

APPLICATIONS

- Designed for inline installation, they are suitable for:
- Industrial applications, air extraction or injection.
 - Cooling of machines and parts.
 - Clean air transport.
 - Exhaust after filters, separators and cyclones.
 - Pneumatic transport.
 - Maximum working temperature: carried air 130°C; environment 60°C.

UNDER REQUEST

- 2 speed motors.
- Hot-dipped galvanised or stainless steel fans.

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador fabricado en chapa Fe360. La pintura de los ventiladores está formulada a base de poliéster en polvo Qualicoat polimerizada a 200°C con un grosor medio de 70 micras. La resistencia térmica media de la pintura es de 180°C con picos de 200°C.
- Turbina de pala reacción y simple aspiración, fabricada en Fe360 equilibrada estática y dinámicamente. Las turbinas se pintan con imprimación epoxídica con una resistencia térmica de 300°C.
- Los ventiladores se suministran con rejilla de protección tanto en la boca de aspiración como en la de impulsión.
- Motor asincrónico ATEX normalizado de jaula de ardilla con protección IP-55, aislamiento clase F. Certificación ATEX: II2G Ex-d, Ex-e / II3GD Ex-nA. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Orientación estándar LG270.
- Permite variar la orientación en destino.

APLICACIONES

- Diseñados para instalación en conducto, son indicados para:
- Procesos industriales, extracción o inyección localizada.
 - Refrigeración de máquinas, enfriamiento de piezas.
 - Transporte de aire limpio.
 - Aspiración después de filtros, separadores y ciclones.
 - Transporte neumático.
 - Temperatura máxima de trabajo en continuo: aire transportado 130°C, ambiente 60°C.

BAJO DEMANDA

- Motor 2 velocidades.
- Ventiladores fabricados en chapa galvanizada en caliente o acero inoxidable.

ATEX OPTIONS UNDER REQUEST | OPCIONES ATEX BAJO DEMANDA

Three-phase MOTOR explosion-proof under the ATEX 2014/34/EU Directive for working temperatures from -20°C to +40°C
MOTORES trifásicos antiexplosivos bajo Directiva ATEX 2014/34/UE para temperaturas de trabajo de -20°C a +40°C.

- ATEX Explosion-proof for GAS | ATEX Antideflagrantes para GAS
- ⓂII2G Ex-d IIB T4 IP66
- ⓂII2G Ex-d IIC T4 IP66 (OPTIONAL PTC PROBE | SONDA PTC OPCIONAL)
- ⓂII2G Ex-d IIC T5 IP66
- ATEX Increased security for GAS | ATEX Seguridad aumentada para GAS:
- ⓂII2G Ex-e T3 IP55
- ATEX Protection "n" for GAS | ATEX Protección "n" para GAS:
- ⓂII3G Ex-nA IIC T4 Gc
- ATEX Protection "n" for GAS and NON-CONDUCTIVE DUST | ATEX Protección "n" para GAS y POLVO NO CONDUCTOR:
- ⓂII3GD Ex-nA IIC T4 Gc Ex-rc IIB T125° IP55 ZONA 22
- ATEX Explosion-proof for GAS and DUST | ATEX Antideflagrantes para GAS y POLVO:
- ⓂII2GD Ex-d IIC T4 IP66
- ⓂII2GD Ex-d IIC T5 IP66
- ATEX Increased security for DUST | ATEX Seguridad aumentada para POLVO:
- ⓂII3D Ex-e Dc
- ATEX Protection by enclosure for DRIVER DUST | ATEX Protección por recinto para POLVO CONDUCTOR:
- ⓂII3D Ex-rc IIC T125° Dc IP55 ZONA 22

To carry out the selection of an ATEX fan, please use the curves that you will find in the Fanware by Casals selection software. The electrical data of these ATEX models can be modified.

Para llevar a cabo la selección de un ventilador ATEX, por favor use las curvas que encontrará en el programa de selección Fanware by Casals. Los datos eléctricos de estos Modelos ATEX pueden verse modificados.

ACCESSORIES | ACCESORIOS



INT ATEX pg.434

Switch for ATEX environments.
Interruptor para funcionar en entornos ATEX.



SFC pg.433

Frequency speed controller.
Variador de velocidad frecuencial.



RA pg.400

Inlet protection guard.
Rejilla aspiración.



JE 45 pg.416

Flexible joint.
Junta elástica.



SIL-C pg.426

Duct circular silencer.
Silenciador circular conducto.



EI pg.412

Outlet flange.
Embocadura impulsión.



BA-400 pg.416

Anti-vibrating flange 400º/2h. flexible.
Brida antivibratoria 400º/2h.



FS pg.409

Front support for medium and high pressure fans
Pie soporte delantero para ventiladores de media y alta presión



AB pg.425

Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals



AVR pg.422

Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



AVS pg.423

Spring anti-vibration blocks.
Amortiguador de muelles.



RI pg.398

Outlet protection guard.
Reja de protección.



AC pg.411

Connexion flange.
Brida de connexion.



BAD pg.416

Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | Rated. R.P.M. | Rated I (A) | | Rat.. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € Ex-nA | R.R.P. € Ex-e | R.R.P. € Ex-d |
|-------------|----------------------------|------------------|-------------|------|-------------------|------------------|------------------|--------------|-------------------|------------------|------------------|
| | | | 230V | 400V | | | | | | | |
| Código | Modelo | R.P.M. nom. | I máx. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € Ex-nA | P.V.P € Ex-e | P.V.P € Ex-d |
| | | | 230V | 400V | | | | | | | |
| 507105018XY | AAVC/NR 500 T2 1,1kW ATEX | 2800 | 4,05 | 2,33 | 2,33 | 650 | 56 | 40 | 3.106,30 | 3.304,00 | 3.491,50 |
| 502505019XY | AAVC/N 500 T2 1,5kW ATEX | 2800 | 5,46 | 3,14 | 3,14 | 790 | 57 | 43 | 3.166,30 | 3.491,40 | 3.590,40 |
| 507105619XY | AAVC/NR 560 T2 1,5kW ATEX | 2800 | 5,46 | 3,14 | 3,14 | 540 | 58 | 66 | 3.843,20 | 4.168,30 | 4.267,30 |
| 502505627XY | AAVC/N 560 T2 2,2kW ATEX | 2800 | 7,97 | 4,58 | 4,58 | 870 | 59 | 69 | 3.873,20 | 4.186,90 | 4.362,10 |
| 507106329XY | AAVC/NR 630 T2 3kW ATEX | 2870 | 10,3 | 5,92 | 5,92 | 1.080 | 61 | 118 | 4.198,60 | 4.550,20 | 4.854,90 |
| 507106332XY | AAVC/NR 630 T2 4kW ATEX | 2890 | 13,3 | 7,63 | 7,63 | 1.370 | 62 | 132 | 4.328,40 | 5.041,00 | 5.180,00 |
| 502506332XY | AAVC/N 630 T2 4kW ATEX | 2890 | 13,3 | 7,63 | 7,63 | 1.230 | 63 | 133 | 4.328,40 | 5.041,00 | 5.180,00 |
| 502506334XY | AAVC/N 630 T2 5,5kW ATEX | 2900 | - | 10,6 | 10,6 | 1.620 | 64 | 143 | 4.751,20 | 5.445,10 | 5.998,20 |
| 502507121XY | AAVC/N 710 T2 11kW ATEX | 2930 | - | 20,8 | 20,8 | 2.520 | 68 | 238 | 6.054,90 | 7.109,40 | 7.609,60 |
| 507107134XY | AAVC/NR 710 T2 5,5kW ATEX | 2900 | - | 10,6 | 10,6 | 1.440 | 67 | 200 | 5.203,40 | 5.897,30 | 6.450,40 |
| 507107136XY | AAVC/NR 710 T2 7,5kW ATEX | 2900 | - | 14,1 | 14,1 | 1.800 | 67 | 200 | 5.283,30 | 6.050,50 | 6.720,40 |
| 502507136XY | AAVC/N 710 T2 7,5kW ATEX | 2900 | - | 14,1 | 14,1 | 1.800 | 68 | 204 | 5.283,30 | 6.050,50 | 6.720,40 |
| 507108021XY | AAVC/NR 800 T2 11kW ATEX | 2930 | - | 20,8 | 20,8 | 2.520 | 71 | 248 | 7.040,60 | 8.095,10 | 8.595,40 |
| 502508021XY | AAVC/N 800 T2 11kW ATEX | 2930 | - | 20,8 | 20,8 | 1.800 | 71 | 254 | 7.040,60 | 8.095,10 | 8.595,40 |
| 502508024XY | AAVC/N 800 T2 15kW ATEX | 2930 | - | 27,4 | 27,4 | 2.880 | 72 | 254 | 7.183,90 | 8.584,30 | 9.769,40 |
| 507108036XY | AAVC/NR 800 T2 7,5kW ATEX | 2900 | - | 14,1 | 14,1 | 1.230 | 70 | 214 | 6.269,00 | 7.036,20 | 7.706,20 |
| 507109024XY | AAVC/NR 900 T2 15kW ATEX | 2930 | - | 27,4 | 27,4 | 2.160 | 73 | 333 | 8.115,30 | 9.515,70 | 10.700,80 |
| 507109026XY | AAVC/NR 900 T2 18,5kW ATEX | 2935 | - | 34,4 | 34,4 | 3.240 | 74 | 345 | 8.301,60 | 9.788,20 | 11.023,30 |
| 502509026XY | AAVC/N 900 T2 18,5kW ATEX | 2935 | - | 34,4 | 34,4 | 2.160 | 75 | 348 | 8.301,60 | 9.788,20 | 11.023,30 |
| 502509028XY | AAVC/N 900 T2 22kW ATEX | 2940 | - | 39,8 | 39,8 | 3.240 | 75 | 404 | 9.042,20 | 13.049,00 | 13.074,70 |
| 507110030XY | AAVC/NR 1000 T2 30kW ATEX | 2950 | - | 56,6 | 56,6 | 3.240 | 77 | 570 | 12.108,10 | 17.206,60 | 17.626,90 |
| 502510031XY | AAVC/N 1000 T2 37kW ATEX | 2955 | - | 66,7 | 66,7 | 3.600 | 78 | 577 | 12.318,30 | 18.612,60 | 19.625,90 |
| 507110031XY | AAVC/NR 1000 T2 37kW ATEX | 2955 | - | 66,7 | 66,7 | 4.500 | 78 | 570 | 12.318,30 | 18.612,60 | 19.625,90 |
| 502510033XY | AAVC/N 1000 T2 45kW ATEX | 2960 | - | 78 | 78 | 6.300 | 79 | 657 | 13.421,90 | 21.341,50 | 22.635,70 |

NOTE: consult prices for models from 1121 to 1402. Available bigger sizes. Consult.

NOTA: Modelos de 1121 a 1402 consultar precio. Disponibles tamaños superiores. Consulte.

AAVP/N ATEX

High pressure fan for clean or slightly dusty air in ATEX environment

Ventilador de alta presión para aire limpio o ligeramente polvoriento ATEX



ATEX OPTIONS UNDER REQUEST | OPCIONES ATEX BAJO DEMANDA

Three-phase MOTOR explosion-proof under the ATEX 2014/34/EU Directive for working temperatures from -20°C to +40°C
MOTORES trifásicos antiexplosivos bajo Directiva ATEX 2014/34/UE para temperaturas de trabajo de -20°C a +40°C.

- ATEX Explosion-proof for GAS | ATEX Antideflagrantes para GAS
ⓂII2G Ex-d IIB T4 IP66
- ⓂII2G Ex-d IIC T4 IP66 (OPTIONAL PTC PROBE | Sonda PTC OPCIONAL)
- ⓂII2G Ex-d IIC T5 IP66
- ATEX Increased security for GAS | ATEX Seguridad aumentada para GAS:
ⓂII2G Ex-e T3 IP55
- ATEX Protection "n" for GAS | ATEX Protección "n" para GAS:
ⓂII3G Ex-nA IIC T4 Gc
- ATEX Protection "n" for GAS and NON-CONDUCTIVE DUST |
ATEX Protección "n" para GAS y POLVO NO CONDUCTOR.
ⓂII3GD Ex-na IIC T4 Gc Ex-nc IIB T125° IP55 ZONA 22
- ATEX Explosion-proof for GAS and DUST | ATEX Antideflagrantes para GAS y POLVO:
ⓂII2GD Ex-d IIC T4 IP66
- ⓂII2GD Ex-d IIC T5 IP66
- ATEX Increased security for DUST | ATEX Seguridad aumentada para POLVO:
ⓂII3D Ex-e Dc
- ATEX Protection by enclosure for DRIVER DUST | ATEX Protección por recinto para POLVO CONDUCTOR:
ⓂII3D Ex-nc IIC T125° Dc IP55 ZONA 22

To carry out the selection of an ATEX fan, please use the curves that you will find in the Fanware by Casals selection software. The electrical data of these ATEX models can be modified.

Para llevar a cabo la selección de un ventilador ATEX, por favor use las curvas que encontrará en el programa de selección Fanware by Casals. Los datos eléctricos de estos Modelos ATEX pueden verse modificados.

MANUFACTURING FEATURES

- Fan made of Fe360 sheet. The fan paint finish is based on a Qualicoat polyester powder coating stoved at 200°C, with an average film thickness of 70 microns. Average heat resistance of coating is 180°C with peaks of 200°C.
- Fully welded housing.
- High efficiency single inlet backward curved impeller made of Fe360 sheet statically and dynamically balanced. Impellers are painted with epoxy primer up to 300°C temperature resistant.
- Fans are equipped with protective grilles on the inlet and outlet.
- Standard asynchronous squirrel-cage motor with IP-55 protection and class F insulation. ATEX certified: II2G Ex-d, Ex-e / II3GD Ex-nA. Standard voltages 230/400V 50Hz in three phase motors up to 4kW and 400/690V 50Hz for higher powers.
- Standard orientation LG270.
- It allows adjusting the orientation locally from models 400 to 630. Models sizes from 710 to 1000 size the orientation is fixed.

APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, air extraction or injection.
- Cooling of machines and parts.
- Clean and slightly dusty air transport.
- Exhaust after filters, separators and cyclones.
- Pneumatic transport.
- Maximum working temperature: carried air 130°C; environment 60°C.

UNDER REQUEST

- 2 speed motors.
- Hot-dipped galvanised or stainless steel fans.
- Orientations: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador fabricado en chapa Fe360. La pintura de los ventiladores está formulada a base de poliéster en polvo Qualicoat polimerizada a 200°C con un grosor medio de 70 micras. La resistencia térmica media de la pintura es de 180°C con picos de 200°C.
- Carcasa totalmente soldada.
- Turbina de pala reacción y simple aspiración, fabricada en Fe360 equilibrada estática y dinámicamente. Las turbinas se pintan con imprimación epoxídica con una resistencia térmica de 300°C.
- Los ventiladores se suministran con rejilla de protección tanto en la boca de aspiración como en la de impulsión.
- Motor asíncrono ATEX normalizado de jaula de ardilla con protección IP-55, aislamiento clase F y certificación ATEX: II2G Ex-d, Ex-e / II3GD Ex-nA. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Orientación estándar LG270.
- Permite variar la orientación en destino, en los Modelos del 400 al 630. En los tamaños que van del 710 al 1000, la orientación es fija.

APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Transporte de aire limpio o ligeramente polvoriento.
- Aspiración después de filtros, separadores y ciclones.
- Transporte neumático.
- Temperatura máxima de trabajo en continuo: aire transportado 130°C, ambiente 60°C.

BAJO DEMANDA

- Motor 2 velocidades.
- Ventiladores fabricados en chapa galvanizada en caliente o acero inoxidable.
- Orientaciones: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

ACCESSORIES | ACCESORIOS



INT ATEX pg.434

Switch for ATEX environments.
Interruptor para funcionar en entornos ATEX.



SFC pg.433

Frequency speed controller.
Variador de velocidad frecuencial.



RA pg.400

Inlet protection guard.
Rejilla aspiración.



JE 45 pg.416

Flexible joint.
Junta elástica.



SIL-C pg.426

Duct circular silencer.
Silenciador circular conducto.



EI pg.412

Outlet flange.
Embocadura impulsión.



BA-400 pg.416

Anti-vibrating flange 400%/2h. flexible.
Brida antivibratoria 400%/2h.



FS pg.409

Front support for medium and high pressure fans.
Pie soporte delantero para ventiladores de media y alta presión



AB pg.425

Acoustic cabins for Casals centrifugal fans.
Cabinas acústicas para ventiladores centrífugos Casals



AVR pg.422

Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



AVS pg.423

Spring anti-vibration blocks.
Amortiguador de muelles.



RI pg.398

Outlet protection guard.
Reja de protección.



AC pg.411

Connexion flange.
Brida de conexión.



BAD pg.416

Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | Rated R.P.M. | Rated I (A) | | Rat.. Power kW | Air flow m ³ /h | Sound dB (A) | Weight Kg | R.R.P. € Ex-nA | R.R.P. € Ex-e | R.R.P. € Ex-d |
|-------------|----------------------------|--------------|-------------|------|----------------|----------------------------|---------------|-----------|----------------|---------------|---------------|
| | | | 230V | 400V | | | | | | | |
| Código | Modelo | R.P.M. nom. | I máx. (A) | | P. Nom. kW | Q máx. m ³ /h | Sonido dB (A) | Peso Kg | P.V.P. € Ex-nA | P.V.P. € Ex-e | P.V.P. € Ex-d |
| | | | 230V | 400V | | | | | | | |
| 502604016XY | AAVP/N 400 T2 0,55kW ATEX | 2800 | 2,23 | 1,29 | 1,29 | 470 | 65 | 51 | 2.349,30 | 2.516,30 | 2.773,50 |
| 502604017XY | AAVP/N 400 T2 0,75kW ATEX | 2800 | 2,75 | 1,58 | 1,58 | 650 | 65 | 55 | 2.419,30 | 2.604,50 | 2.815,90 |
| 502604518XY | AAVP/N 451 T2 1,1kW ATEX | 2800 | 4,05 | 2,33 | 2,33 | 720 | 66 | 61 | 2.656,60 | 2.854,40 | 3.041,80 |
| 502604519XY | AAVP/N 452 T2 1,5kW ATEX | 2800 | 5,46 | 3,14 | 3,14 | 870 | 66 | 67 | 2.820,50 | 3.145,60 | 3.244,60 |
| 507405019XY | AAVP/NR 501 T2 1,5kW ATEX | 2800 | 5,46 | 3,14 | 3,14 | 940 | 69 | 71 | 3.319,50 | 3.644,50 | 3.743,60 |
| 502605027XY | AAVP/N 502 T2 2,2kW ATEX | 2800 | 7,97 | 4,58 | 4,58 | 1.080 | 69 | 75 | 3.349,50 | 3.663,20 | 3.838,30 |
| 507405627XY | AAVP/NR 562 T2 2,2kW ATEX | 2800 | 7,97 | 4,58 | 4,58 | 940 | 71 | 86 | 3.868,30 | 4.182,00 | 4.357,10 |
| 502605629XY | AAVP/N 562 T2 3kW ATEX | 2870 | 10,3 | 5,92 | 5,92 | 1.230 | 71 | 99 | 4.033,10 | 4.384,80 | 4.689,40 |
| 507405629XY | AAVP/NR 563 T2 3kW ATEX | 2870 | 10,3 | 5,92 | 5,92 | 1.370 | 72 | 98 | 4.033,10 | 4.384,80 | 4.689,40 |
| 502605632XY | AAVP/N 563 T2 4kW ATEX | 2890 | 13,3 | 7,63 | 7,63 | 1.620 | 72 | 107 | 4.163,00 | 4.875,50 | 5.014,60 |
| 507406332XY | AAVP/NR 632 T2 4kW ATEX | 2890 | 13,3 | 7,63 | 7,63 | 1.370 | 75 | 131 | 4.345,70 | 5.058,30 | 5.197,30 |
| 502606334XY | AAVP/N 632 T2 5,5kW ATEX | 2900 | - | 10,6 | 10,6 | 1.620 | 75 | 145 | 4.768,60 | 5.462,50 | 6.015,60 |
| 507406334XY | AAVP/NR 633 T2 5,5kW ATEX | 2900 | - | 10,6 | 10,6 | 1.800 | 75 | 143 | 4.768,60 | 5.462,50 | 6.015,60 |
| 502606336XY | AAVP/N 633 T2 7,5kW ATEX | 2900 | - | 14,1 | 14,1 | 2.520 | 75 | 145 | 4.848,50 | 5.615,80 | 6.285,70 |
| 507407136XY | AAVP/NR 711 T2 7,5kW ATEX | 2900 | - | 14,1 | 14,1 | 1.800 | 77 | 205 | 5.315,40 | 6.082,70 | 6.752,70 |
| 502607121XY | AAVP/N 712 T2 11kW ATEX | 2930 | - | 20,8 | 20,8 | 2.520 | 78 | 222 | 6.087,00 | 7.141,60 | 7.641,80 |
| 507407121XY | AAVP/NR 713 T2 11kW ATEX | 2930 | - | 20,8 | 20,8 | 2.880 | 78 | 218 | 6.087,00 | 7.141,60 | 7.641,80 |
| 502607124XY | AAVP/N 713 T2 15kW ATEX | 2930 | - | 27,4 | 27,4 | 3.240 | 78 | 222 | 6.230,30 | 7.630,70 | 8.815,80 |
| 507408024XY | AAVP/NR 802 T2 15kW ATEX | 2930 | - | 27,4 | 27,4 | 3.240 | 81 | 256 | 7.191,30 | 8.591,60 | 9.776,70 |
| 502608026XY | AAVP/N 802 T2 18,5kW ATEX | 2935 | - | 34,4 | 34,4 | 3.600 | 81 | 280 | 7.377,60 | 8.864,20 | 10.099,20 |
| 507408026XY | AAVP/NR 803 T2 18,5kW ATEX | 2935 | - | 34,4 | 34,4 | 4.320 | 82 | 268 | 7.377,60 | 8.864,20 | 10.099,20 |
| 502608028XY | AAVP/N 803 T2 22kW ATEX | 2940 | - | 39,8 | 39,8 | 4.680 | 81 | 336 | 8.118,10 | 12.124,90 | 12.150,70 |
| 507409028XY | AAVP/NR 902 T2 22kW ATEX | 2940 | - | 39,8 | 39,8 | 3.600 | 84 | 416 | 9.160,70 | 13.167,60 | 13.193,20 |
| 502609030XY | AAVP/N 902 T2 30kW ATEX | 2950 | - | 56,6 | 56,6 | 3.960 | 84 | 508 | 10.094,60 | 15.193,10 | 15.613,40 |
| 507409030XY | AAVP/NR 903 T2 30kW ATEX | 2950 | - | 56,6 | 56,6 | 5.400 | 85 | 442 | 10.094,60 | 15.193,10 | 15.613,40 |
| 502609031XY | AAVP/N 903 T2 37kW ATEX | 2955 | - | 66,7 | 66,7 | 5.400 | 85 | 508 | 10.304,80 | 16.599,10 | 17.612,40 |
| 507410033XY | AAVP/NR 1002 T2 45kW ATEX | 2960 | - | 78 | 78 | 6.120 | 90 | 680 | 13.753,00 | 21.672,60 | 22.966,80 |
| 502610035XY | AAVP/N 1002 T2 55kW ATEX | 2965 | - | 95 | 95 | 7.200 | 91 | 780 | 15.272,10 | 24.513,30 | 26.089,90 |
| 507410035XY | AAVP/NR 1003 T2 55kW ATEX | 2965 | - | 95 | 95 | 7.920 | 91 | 765 | 15.272,10 | 24.513,30 | 26.089,90 |
| 502610037XY | AAVP/N 1003 T2 75kW ATEX | 2965 | - | 130 | 130 | 9.000 | 93 | 924 | 17.353,50 | 31.399,80 | 33.594,10 |

NOTE: consult prices for models from 1121 to 1402. Available bigger sizes. Consult.

NOTA: Modelos de 1121 a 1402 consultar precio. Disponibles tamaños superiores. Consulte.

AAVG/N ATEX

High pressure fan for clean air

Ventilador de alta presión para aire limpio ATEX



MANUFACTURING FEATURES

- Fan made of Fe360 sheet. The fan paint finish is based on a Quali-coat polyester powder coating stoved at 200°C, with an average film thickness of 70 microns. Average heat resistance of coating is 180°C with peaks of 200°C.
- Fully welded housing.
- High efficiency single inlet backward curved impeller made of Fe360 sheet statically and dynamically balanced. Impellers are painted with epoxy primer up to 300°C temperature resistant.
- Fans are equipped with protective grilles on the inlet and outlet.
- Standard asynchronous squirrel-cage motor with IP-55 protection and class F insulation. ATEX certified: II2G Ex-d, Ex-e / II3GD Ex-nA. Standard voltages 230/400V 50Hz in three phase motors up to 4kW and 400/690V 50Hz for higher powers.
- Standard orientation LG270.
- It allows adjusting the orientation locally from models 450 to 630. Models sizes from 710 to 1000 size the orientation is fixed.

APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, air extraction or injection.
- Cooling of machines and parts.
- Clean and slightly dusty air transport.
- Exhaust after filters, separators and cyclones.
- Pneumatic transport.
- Maximum working temperature: carried air 130°C; environment 60°C.

UNDER REQUEST

- 2 speed motors.
- Hot-dipped galvanised or stainless steel fans.
- Orientations: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador fabricado en chapa Fe360. La pintura de los ventiladores está formulada a base de poliéster en polvo Quali-coat polimerizada a 200°C con un grosor medio de 70 micras. La resistencia térmica media de la pintura es de 180°C con picos de 200°C.
- Carcasa totalmente soldada.
- Turbina de pala reacción y simple aspiración, fabricada en Fe360 equilibrada estática y dinámicamente. Las turbinas se pintan con imprimación epoxídica con una resistencia térmica de 300°C.
- Los ventiladores se suministran con rejilla de protección tanto en la boca de aspiración como en la de impulsión.
- Motor asíncrono ATEX normalizado de jaula de ardilla con protección IP-55, aislamiento clase F. Certificación ATEX: II2G Ex-d, Ex-e / II3GD Ex-nA. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Orientación estándar LG270.
- Permite variar la orientación en destino, en los Modelos del 450 al 630. En los tamaños que van del 710 al 1000, la orientación es fija.

APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Transporte de aire limpio o ligeramente polvoriento.
- Aspiración después de filtros, separadores y ciclones.
- Transporte neumático.
- Temperatura máxima de trabajo en continuo: aire transportado 130°C, ambiente 60°C.

BAJO DEMANDA

- Motor 2 velocidades.
- Ventiladores fabricados en chapa galvanizada en caliente o acero inoxidable.
- Orientación: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

ATEX OPTIONS UNDER REQUEST | OPCIONES ATEX BAJO DEMANDA

Three-phase MOTOR explosion-proof under the ATEX 2014/34/EU Directive for working temperatures from -20°C to +40°C.
MOTORES trifásicos antiexplosivos bajo Directiva ATEX 2014/34/UE para temperaturas de trabajo de -20°C a +40°C.

- ATEX Explosion-proof for GAS | ATEX Antideflagrantes para GAS
ⓈII2G Ex-d IIB T4 IP66
ⓈII2G Ex-d IIC T4 IP66 (OPTIONAL PTC PROBE | SONDA PTC OPCIONAL)
ⓈII2G Ex-d IIC T5 IP66
- ATEX Increased security for GAS | ATEX Seguridad aumentada para GAS:
ⓈII2G Ex-e T3 IP55
- ATEX Protection "n" for GAS | ATEX Protección "n" para GAS:
ⓈII3G Ex-nA IIC T4 Gc
- ATEX Protection "n" for GAS and NON-CONDUCTIVE DUST | ATEX Protección "n" para GAS y POLVO NO CONDUCTOR:
ⓈII3GD Ex-nA IIC T4 Gc Ex-ic IIB T125° IP55 ZONA 22
- ATEX Explosion-proof for GAS and DUST | ATEX Antideflagrantes para GAS y POLVO:
ⓈII2GD Ex-d IIC T4 IP66
ⓈII2GD Ex-d IIC T5 IP66
- ATEX Increased security for DUST | ATEX Seguridad aumentada para POLVO:
ⓈII3D Ex-e Dc
- ATEX Protection by enclosure for DRIVER DUST | ATEX Protección por recinto para POLVO CONDUCTOR:
ⓈII3D Ex-ic IIC T125° Dc IP55 ZONA 22

To carry out the selection of an ATEX fan, please use the curves that you will find in the Fanware by Casals selection software. The electrical data of these ATEX models can be modified.

Para llevar a cabo la selección de un ventilador ATEX, por favor use las curvas que encontrará en el programa de selección Fanware by Casals. Los datos eléctricos de estos Modelos ATEX pueden verse modificados.

ACCESSORIES | ACCESORIOS



INT ATEX pg.434

Switch for ATEX environments.
Interruptor para funcionar en entornos ATEX.



SFC pg.433

Frequency speed controller.
Variador de velocidad frecuencial.



RA pg.400

Inlet protection guard.
Rejilla aspiración.



JE 45 pg.416

Flexible joint.
Junta elástica.



SIL-C pg.426

Duct circular silencer.
Silenciador circular conducto.



EI pg.412

Outlet flange.
Embocadura impulsión.



BA-400 pg.416

Anti-vibrating flange 400°/2h. flexible.
Brida antivibratoria 400°/2h.



FS pg.409

Front support for medium and high pressure fans
Pie soporte delantero para ventiladores de media y alta presión



AB pg.425

Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals



AVR pg.422

Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



AVS pg.423

Spring anti-vibration blocks.
Amortiguador de muelles.



RI pg.398

Outlet protection guard.
Reja de protección.



AC pg.411

Connexion flange.
Brida de conexión.



BAD pg.416

Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | Rated. R.P.M. | Rated I (A) | | Rat.. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € Ex-nA | R.R.P. € Ex-e | R.R.P. € Ex-d |
|-------------|----------------------------|------------------|-------------|------|-------------------|------------------|------------------|--------------|-------------------|------------------|------------------|
| | | | 230V | 400V | | | | | | | |
| Código | Modelo | R.P.M. nom. | I máx. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € Ex-nA | P.V.P € Ex-e | P.V.P € Ex-d |
| | | | 230V | 400V | | | | | | | |
| 502704527XY | AAVG/N 450 T2 2,2kW ATEX | 2800 | 7,97 | 4,58 | 4,58 | 1.620 | 73 | 65 | 3.070,20 | 3.383,90 | 3.559,20 |
| 507205029XY | AAVG/NR 501 T2 3kW ATEX | 2870 | 10,3 | 5,92 | 5,92 | 2.160 | 74 | 87 | 3.600,70 | 3.952,40 | 4.257,00 |
| 507205032XY | AAVG/N 501 T2 4kW ATEX | 2890 | 13,3 | 7,63 | 7,63 | 2.520 | 74 | 93 | 3.730,60 | 4.443,20 | 4.582,20 |
| 507205634XY | AAVG/NR 561 T2 5,5kW ATEX | 2900 | - | 10,6 | 10,6 | 2.880 | 77 | 127 | 4.627,80 | 5.321,80 | 5.874,90 |
| 502705636XY | AAVG/N 561 T2 7,5kW ATEX | 2900 | - | 14,1 | 14,1 | 3.960 | 78 | 135 | 4.707,70 | 5.474,90 | 6.144,80 |
| 507206321XY | AAVG/NR 632 T2 11kW ATEX | 2930 | - | 20,8 | 20,8 | 4.680 | 80 | 193 | 6.057,30 | 7.111,90 | 7.612,20 |
| 507206321XY | AAVG/N 631 T2 11kW ATEX | 2930 | - | 20,8 | 20,8 | 3.600 | 81 | 196 | 6.057,30 | 7.111,90 | 7.612,20 |
| 507206324XY | AAVG/N 632 T2 15kW ATEX | 2930 | - | 27,4 | 27,4 | 5.400 | 81 | 198 | 6.200,70 | 7.601,10 | 8.786,20 |
| 507207126XY | AAVG/NR 711 T2 18,5kW ATEX | 2935 | - | 34,4 | 34,4 | 6.120 | 83 | 246 | 6.727,90 | 8.214,50 | 9.449,60 |
| 507207128XY | AAVG/NR 712 T2 22kW ATEX | 2940 | - | 39,8 | 39,8 | 7.200 | 83 | 368 | 7.468,50 | 11.475,40 | 11.501,00 |
| 507207128XY | AAVG/N 711 T2 22kW ATEX | 2940 | - | 39,8 | 39,8 | 6.120 | 83 | 272 | 7.468,50 | 11.475,40 | 11.501,00 |
| 507207130XY | AAVG/N 712 T2 30kW ATEX | 2950 | - | 56,6 | 56,6 | 7.920 | 84 | 388 | 8.649,30 | 13.747,90 | 14.168,20 |
| 507208030XY | AAVG/NR 801 T2 30kW ATEX | 2950 | - | 56,6 | 56,6 | 7.200 | 87 | 424 | 10.302,20 | 15.400,70 | 15.821,00 |
| 507208031XY | AAVG/NR 802 T2 37kW ATEX | 2955 | - | 66,7 | 66,7 | 10.080 | 88 | 435 | 10.512,40 | 16.806,60 | 17.820,00 |
| 507208031XY | AAVG/N 801 T2 37kW ATEX | 2955 | - | 66,7 | 66,7 | 7.920 | 88 | 440 | 10.512,40 | 16.806,60 | 17.820,00 |
| 507208033XY | AAVG/N 802 T2 45kW ATEX | 2960 | - | 78 | 78 | 10.800 | 88 | 484 | 11.835,70 | 19.755,40 | 21.049,60 |
| 507209033XY | AAVG/NR 901 T2 45kW ATEX | 2960 | - | 78 | 78 | 7.920 | 90 | 701 | 13.478,70 | 21.398,30 | 22.692,50 |
| 507209035XY | AAVG/NR 902 T2 55kW ATEX | 2965 | - | 95 | 95 | 10.800 | 91 | 802 | 14.997,90 | 24.239,00 | 25.815,60 |
| 507209035XY | AAVG/N 901 T2 55kW ATEX | 2965 | - | 95 | 95 | 7.920 | 91 | 808 | 14.997,90 | 24.239,00 | 25.815,60 |
| 507209037XY | AAVG/N 902 T2 75kW ATEX | 2965 | - | 130 | 130 | 12.600 | 92 | 840 | 16.511,00 | 30.557,30 | 32.751,60 |
| 507209038XY | AAVG/NR 1001 T2 90kW ATEX | 2970 | - | 156 | 156 | 12.600 | 94 | 920 | 20.978,60 | 37.094,50 | 39.627,00 |
| 507210022XY | AAVG/NR 1002 T2 110kW ATEX | 2975 | - | 188 | 188 | 18.000 | 94 | 1078 | 26.874,10 | 45.533,50 | 48.627,80 |
| 507210022XY | AAVG/N 1001 T2 110kW ATEX | 2975 | - | 188 | 188 | 14.400 | 95 | 1085 | 26.874,10 | 45.533,50 | 48.627,80 |
| 502710023XY | AAVG/N 1002 T2 132kW ATEX | 2980 | - | 223 | 223 | 19.800 | 95 | 1112 | 27.662,30 | 53.410,60 | 57.630,00 |

NOTE: consult prices for models from 1121 to 1402. Available bigger sizes. Consult.
 NOTA: Modelos de 1121 a 1402 consultar precio. Disponibles tamaños superiores. Consulte.

> EXTRACTOR DE ALTA GAMA CON
 COMPUERTA AUTOMÁTICA ANTIRRETORNO <
 > HIGH-END EXTRACTOR
 WITH AUTOMATIC BACKDRAUGHT DAMPER <

> **TEKSTÜR Plus**
 > 100/120



AAVM/N ATEX

High pressure fan for clean or slightly dusty air in ATEX environment

Ventilador de alta presión para aire limpio o ligeramente polvoriento ATEX



ATEX OPTIONS UNDER REQUEST | OPCIONES ATEX BAJO DEMANDA

Three-phase MOTOR explosion-proof under the ATEX 2014/34/EU Directive for working temperatures from -20°C to +40°C.
MOTORES trifásicos antiexplosivos bajo Directiva ATEX 2014/34/UE para temperaturas de trabajo de -20°C a +40°C.

- ATEX Explosion-proof for GAS | ATEX Antideflagrantes para GAS
- ⓂII2G Ex-d IIB T4 IP66
- ⓂII2G Ex-d IIC T4 IP66 (OPTIONAL PTC PROBE | SONDA PTC OPCIONAL)
- ⓂII2G Ex-d IIC T5 IP66
- ATEX Increased security for GAS | ATEX Seguridad aumentada para GAS:
- ⓂII2G Ex-e T3 IP55
- ATEX Protection "n" for GAS | ATEX Protección "n" para GAS:
- ⓂII3G Ex-nA IIC T4 Gc
- ATEX Protection "n" for GAS and NON-CONDUCTIVE DUST | ATEX Protección "n" para GAS y POLVO NO CONDUCTOR:
- ⓂII3GD Ex-nA IIC T4 Gc Ex-rc IIB T125° IP55 ZONA 22
- ATEX Explosion-proof for GAS and DUST | ATEX Antideflagrantes para GAS y POLVO:
- ⓂII2GD Ex-d IIC T4 IP66
- ⓂII2GD Ex-d IIC T5 IP66
- ATEX Increased security for DUST | ATEX Seguridad aumentada para POLVO:
- ⓂII3D Ex-e Dc
- ATEX Protection by enclosure for DRIVER DUST | ATEX Protección por recinto para POLVO CONDUCTOR:
- ⓂII3D Ex-rc IIC T125° Dc IP55 ZONA 22

To carry out the selection of an ATEX fan, please use the curves that you will find in the Fanware by Casals selection software. The electrical data of these ATEX models can be modified.

Para llevar a cabo la selección de un ventilador ATEX, por favor use las curvas que encontrará en el programa de selección Fanware by Casals. Los datos eléctricos de estos Modelos ATEX pueden verse modificados.

MANUFACTURING FEATURES

- Fan made of Fe360 sheet. The fan paint finish is based on a Qualicoat polyester powder coating stoved at 200°C, with an average film thickness of 70 microns. Average heat resistance of coating is 180°C with peaks of 200°C.
- Fully welded housing.
- High efficiency single inlet backward curved impeller made of Fe360 sheet statically and dynamically balanced. Impellers are painted with epoxy primer up to 300°C temperature resistant.
- Fans are equipped with protective grilles on the inlet and outlet.
- Standard asynchronous squirrel-cage motor with IP-55 protection and class F insulation. ATEX certified: II2G Ex-d, Ex-e / II3GD Ex-nA. Standard voltages 230/400V 50Hz in three phase motors up to 4kW and 400/690V 50Hz for higher powers.
- Standard orientation LG270.
- It allows adjusting the orientation locally from models 350 to 630. Models sizes from 710 to 1000 size the orientation is fixed.

APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, air extraction or injection.
- Cooling of machines and parts.
- Clean and slightly dusty air transport.
- Exhaust after filters, separators and cyclones.
- Pneumatic transport.
- Maximum working temperature: carried air 130°C; environment 60°C.

UNDER REQUEST

- 2 speed motors.
- Hot-dipped galvanised or stainless steel fans.
- Orientation: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador fabricado en chapa Fe360. La pintura de los ventiladores está formulada a base de poliéster en polvo Qualicoat polimerizada a 200°C con un grosor medio de 70 micras. La resistencia térmica media de la pintura es de 180°C con picos de 200°C.
- Carcasa totalmente soldada.
- Turbina de pala reacción y simple aspiración, fabricada en Fe360 equilibrada estática y dinámicamente. Las turbinas se pintan con imprimación epoxídica con una resistencia térmica de 300°C.
- Los ventiladores se suministran con rejilla de protección tanto en la boca de aspiración como en la de impulsión.
- Motor asíncrono ATEX normalizado de jaula de ardilla con protección IP-55, aislamiento clase F y certificación ATEX: II2G Ex-d, Ex-e / II3GD Ex-nA. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Orientación estándar LG270.
- Permite variar la orientación en destino, en los Modelos del 350 al 630. En los tamaños que van del 710 al 1000, la orientación es fija.

APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Transporte de aire limpio o ligeramente polvoriento.
- Aspiración después de filtros, separadores y ciclones.
- Transporte neumático.
- Temperatura máxima de trabajo en continuo: aire transportado 130°C, ambiente 60°C.

BAJO DEMANDA

- Motor 2 velocidades.
- Ventiladores fabricados en chapa galvanizada en caliente o acero inoxidable.
- Orientación: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

ACCESSORIES | ACCESORIOS

INT ATEX pg.434
Switch for ATEX environments.
Interruptor para funcionar en entornos ATEX.

SFC pg.433
Frequency speed controller.
Variador de velocidad frecuencial.

RA pg.400
Inlet protection guard.
Rejilla aspiración.

JE 45 pg.416
Flexible joint.
Junta elástica.

SIL-C pg.426
Duct circular silencer.
Silenciador circular conducto.

EI pg.412
Outlet flange.
Embocadura impulsión.

BA-400 pg.416
Anti-vibrating flange 400º/2h. flexible.
Brida antivibratoria 400º/2h.

FS pg.409
Front support for medium and high pressure fans.
Pie soporte delantero para ventiladores de media y alta presión

AB pg.425
Acoustic cabins for Casals centrifugal fans.
Cabinas acústicas para ventiladores centrífugos Casals

AVR pg.422
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.

AVS pg.423
Spring anti-vibration blocks.
Amortiguador de muelles.

RI pg.398
Outlet protection guard.
Reja de protección.

AC pg.411
Connexion flange.
Brida de conexión.

BAD pg.416
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.

THREE PHASE RANGE | SERIE TRIFÁSICA

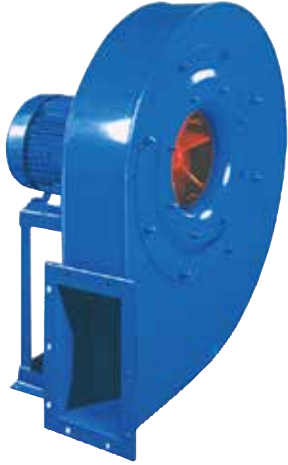
| Code | Model | Rated. R.P.M. | Rated I (A) | | Rat.. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € Ex-nA | R.R.P. € Ex-e | R.R.P. € Ex-d |
|-------------|-----------------------------|------------------|-------------|------|-------------------|------------------|------------------|--------------|-------------------|-------------------|------------------|
| | | | 230V | 400V | | | | | | | |
| Código | Modelo | R.P.M. nom. | I máx. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € Ex-nA | P.V.P € Ex-e | P.V.P € Ex-d |
| | | | 230V | 400V | | | | | | | |
| 507303517XY | AAVM/NR 350 T2 0,75kW ATEX | 2800 | 2,75 | 1,58 | 1,58 | 940 | 66 | 35 | 1.878,30 | 2.063,50 | 2.274,90 |
| 502803518XY | AAVM/N 350 T2 1,1kW ATEX | 2800 | 4,05 | 2,33 | 2,33 | 1440 | 67 | 36 | 1.898,30 | 2.096,00 | 2.283,40 |
| 507304019XY | AAVM/NR 400 T2 1,5kW ATEX | 2800 | 5,46 | 3,14 | 3,14 | 1620 | 68 | 46 | 2.299,10 | 2.624,20 | 2.723,30 |
| 502804027XY | AAVM/N 400 T2 2,2kW ATEX | 2800 | 7,97 | 4,58 | 4,58 | 2160 | 68 | 50 | 2.329,10 | 2.642,80 | 2.818,00 |
| 507304529XY | AAVM/NR 450 T2 3kW ATEX | 2870 | 10,3 | 5,92 | 5,92 | 2520 | 70 | 60 | 2.879,30 | 3.231,00 | 3.535,60 |
| 502804532XY | AAVM/N 450 T2 4kW ATEX | 2890 | 13,3 | 7,63 | 7,63 | 2880 | 71 | 80 | 3.009,20 | 3.721,80 | 3.860,80 |
| 507305032XY | AAVM/NR 500 T2 4kW ATEX | 2890 | 13,3 | 7,63 | 7,63 | 3240 | 74 | 92 | 3.281,00 | 3.993,40 | 4.132,40 |
| 502805034XY | AAVM/N 500 T2 5,5kW ATEX | 2900 | - | 10,6 | 10,6 | 3600 | 75 | 107 | 3.708,70 | 4.402,70 | 4.955,80 |
| 502805621XY | AAVM/N 560 T2 11kW ATEX | 2930 | - | 20,8 | 20,8 | 5400 | 77 | 163 | 5.274,20 | 6.328,70 | 6.828,90 |
| 507305636XY | AAVM/NR 560 T2 7,5kW ATEX | 2900 | - | 14,1 | 14,1 | 4680 | 77 | 122 | 4.502,60 | 5.269,80 | 5.939,80 |
| 507306324XY | AAVM/NR 630 T2 15kW ATEX | 2930 | - | 27,4 | 27,4 | 7200 | 80 | 175 | 6.012,80 | 7.413,30 | 8.598,40 |
| 502806326XY | AAVM/N 630 T2 18,5kW ATEX | 2935 | - | 34,4 | 34,4 | 7920 | 80 | 193 | 6.199,10 | 7.685,70 | 8.920,80 |
| 507307128XY | AAVM/NR 711 T2 22kW ATEX | 2940 | - | 39,8 | 39,8 | 9000 | 83 | 300 | 7.411,60 | 11.418,50 | 11.444,20 |
| 502807130XY | AAVM/N 711 T2 30kW ATEX | 2950 | - | 56,6 | 56,6 | 9000 | 83 | 390 | 8.592,50 | 13.691,10 | 14.111,40 |
| 502807131XY | AAVM/N 711 T2 37kW ATEX | 2955 | - | 66,7 | 66,7 | 10800 | 84 | 390 | 8.802,70 | 15.097,00 | 16.110,40 |
| 507308033XY | AAVM/NR 801 T2 45kW ATEX | 2960 | - | 78 | 78 | 14400 | 84 | 526 | 11.386,10 | 19.305,80 | 20.599,90 |
| 502808035XY | AAVM/N 801 T2 55kW ATEX | 2965 | - | 95 | 95 | 12600 | 85 | 664 | 13.125,20 | 22.366,40 | 23.943,00 |
| 502808037XY | AAVM/N 801 T2 75kW ATEX | 2965 | - | 130 | 130 | 16200 | 86 | 794 | 14.774,30 | 28.820,60 | 31.014,90 |
| 502809022XY | AAVM/N 901 T2 110kW ATEX | 2975 | - | 188 | 188 | 21600 | 90 | 1109 | 23.684,50 | 42.343,90 | 45.438,40 |
| 507309037XY | AAVM/NR 901 T2 75kW ATEX | 2965 | - | 130 | 130 | 18000 | 88 | 926 | 16.370,20 | 30.416,50 | 32.610,80 |
| 502809038XY | AAVM/N 901 T2 90kW ATEX | 2970 | - | 156 | 156 | 18000 | 88 | 969 | 17.789,10 | 33.905,00 | 36.437,60 |
| 507310022XY | AAVM/NR 1001 T2 110kW ATEX | 2975 | - | 188 | 188 | 18000 | 91 | 1220 | 26.607,20 | 45.266,70 | 48.361,00 |
| 507310023XY | AAVM/NR 1001 T2 132kW ATEX | 2980 | - | 223 | 223 | 21600 | 92 | 1220 | 27.395,50 | 53.143,70 | 57.363,20 |
| 502810025XY | AAVM/N 1001 T2 160kW ATEX | 2980 | - | 269 | 269 | 21600 | 93 | 1230 | Consult Consultar | 62.426,90 | 67.771,50 |
| 502810105XY | AAVM/N 1001 T2 200kW ATEX | 2960 | - | 336 | 336 | 33000 | 93 | 1230 | Consult Consultar | Consult Consultar | 73.679,30 |
| 507307159XY | AAVM/NR 712 T4 4kW ATEX | 1440 | 14,5 | 8,32 | 8,32 | 4680 | 67 | 194 | 5.117,00 | 5.539,60 | 6.125,00 |
| 502807161XY | AAVM/N 712 T4 5,5kW ATEX | 1440 | - | 10,5 | 10,5 | 5400 | 67 | 211 | 5.520,00 | 6.379,00 | 6.768,20 |
| 507308063XY | AAVM/NR 802 T4 7,5kW ATEX | 1440 | - | 14,1 | 14,1 | 6120 | 68 | 255 | 7.396,70 | 8.242,10 | 8.846,80 |
| 502808049XY | AAVM/N 802 T4 11kW ATEX | 1460 | - | 21,2 | 21,2 | 7920 | 70 | 286 | 8.125,70 | 9.413,90 | 10.486,80 |
| 507309049XY | AAVM/NR 902 T4 11kW ATEX | 1460 | - | 21,2 | 21,2 | 10080 | 71 | 380 | 9.637,60 | 10.925,80 | 11.998,70 |
| 502809052XY | AAVM/N 902 T4 15kW ATEX | 1460 | - | 29,8 | 29,8 | 10800 | 72 | 401 | 9.838,20 | 11.396,40 | 12.367,20 |
| 507310053XY | AAVM/NR 1002 T4 18,5kW ATEX | 1465 | - | 35,6 | 35,6 | 12600 | 75 | 620 | 13.153,20 | 17.057,30 | 17.379,50 |
| 502810055XY | AAVM/N 1002 T4 22kW ATEX | 1470 | - | 40,1 | 40,1 | 14400 | 75 | 640 | 13.353,90 | 17.703,80 | 17.924,80 |

NOTE: consult prices for models from 1121 to 1402. Available bigger sizes. Consult.

NOTA: Modelos de 1121 a 1402 consultar precio. Disponibles tamaños superiores. Consulte.

AAZA ATEX

High pressure fan for transport of solid material Ventilador de alta presión para transporte de material sólido ATEX



ATEX OPTIONS UNDER REQUEST | OPCIONES ATEX BAJO DEMANDA

Three-phase MOTOR explosion-proof under the ATEX 2014/34/EU Directive for working temperatures from -20°C to +40°C
MOTORES trifásicos antiexplosivos bajo Directiva ATEX 2014/34/UE para temperaturas de trabajo de -20°C a +40°C.

- ATEX Explosion-proof for GAS | ATEX Antideflagrantes para GAS
ⓈII2G Ex-d IIB T4 IP66
- ⓈII2G Ex-d IIC T4 IP66 (OPTIONAL PTC PROBE | SONDA PTC OPCIONAL)
- ⓈII2G Ex-d IIC T5 IP66
- ATEX Increased security for GAS | ATEX Seguridad aumentada para GAS:
ⓈII2G Ex-e T3 IP55
- ATEX Protection "n" for GAS | ATEX Protección "n" para GAS:
ⓈII3G Ex-nA IIC T4 Gc
- ATEX Protection "n" for GAS and NON-CONDUCTIVE DUST | ATEX Protección "n" para GAS y POLVO NO CONDUCTOR:
ⓈII3GD Ex-na IIC T4 Gc Ex-rc IIB T125° IP55 ZONA 22
- ATEX Explosion-proof for GAS and DUST | ATEX Antideflagrantes para GAS y POLVO:
ⓈII2GD Ex-d IIC T4 IP66
- ⓈII2GD Ex-d IIC T5 IP66
- ATEX Increased security for DUST | ATEX Seguridad aumentada para POLVO:
ⓈII3D Ex-e Dc
- ATEX Protection by enclosure for DRIVER DUST | ATEX Protección por recinto para POLVO CONDUCTOR:
ⓈII3D Ex-rc IIC T125° Dc IP55 ZONA 22

To carry out the selection of an ATEX fan, please use the curves that you will find in the Fanware by Casals selection software. The electrical data of these ATEX models can be modified.
Para llevar a cabo la selección de un ventilador ATEX, por favor use las curvas que encontrará en el programa de selección Fanware by Casals. Los datos eléctricos de estos Modelos ATEX pueden verse modificados.

MANUFACTURING FEATURES

- Fan made of Fe360 sheet. The fan paint finish is based on a Qualicoat polyester powder coating stoved at 200°C, with an average film thickness of 70 microns. Average heat resistance of coating is 180°C with peaks of 200°C.
- Fully welded housing.
- High efficiency single inlet straight blade impeller made of Fe360 sheet statically and dynamically balanced.
- Impellers are painted with epoxy primer up to 300°C temperature resistant.
- Fans are equipped with protective grilles on the inlet and outlet.
- Standard asynchronous squirrel-cage motor with IP-55 protection and class F insulation. ATEX certified: II2G Ex-d, Ex-e / II3GD Ex-nA. Standard voltages 230/400V 50Hz in three phase motors up to 4kW and 400/690V 50Hz for higher powers.
- Standard orientation LG270.
- It allows adjusting the orientation locally from models 400 to 630. Models sizes from 710 to 1000 size the orientation is fixed.

APPLICATIONS

- Designed for inline installation, they are suitable for:
- Industrial applications, extraction or injection of air.
 - Cooling of machines and parts.
 - Clean and dusty air transport.
 - Exhaust after filters, separators and cyclones.
 - Pneumatic transport.
 - Maximum working temperature: carried air 130°C, environment 60°C.

UNDER REQUEST

- 2 speed motors.
- Hot dip galvanised or stainless steel fans.
- Orientation: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180, LG225, LG315.

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador fabricado en chapa Fe360. La pintura de los ventiladores está formulada a base de poliéster en polvo Qualicoat polimerizada a 200°C con un grosor medio de 70 micras. La resistencia térmica media de la pintura es de 180°C con picos de 200°C.
- Carcasa totalmente soldada.
- Turbina de pala radial y simple aspiración, fabricada en Fe360 equilibrada estática y dinámicamente. Las turbinas se pintan con imprimación epoxídica con una resistencia térmica de 300°C.
- Los ventiladores se suministran con rejilla de protección tanto en la boca de aspiración como en la de impulsión.
- Motor asíncrono ATEX normalizado de jaula de ardilla con protección IP-55, aislamiento clase F y certificación ATEX: II2G Ex-d, Ex-e / II3GD Ex-nA. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Orientación estándar LG270.
- Permite variar la orientación en destino, en los Modelos del 400 al 630. En los tamaños que van del 710 al 1000, la orientación es fija.

APLICACIONES

- Diseñados para instalación en conducto, son indicados para:
- Procesos industriales, extracción o inyección localizada.
 - Refrigeración de máquinas, enfriamiento de piezas.
 - Transporte de aire polvoriento o con carga de materiales granulados incluso materiales filamentosos.
 - Aspiración después de filtros, separadores y ciclones.
 - Transporte neumático.
 - Temperatura máxima de trabajo en continuo: aire transportado 130°C, ambiente 60°C

BAJO DEMANDA

- Motor 2 velocidades.
- Ventiladores fabricados en chapa galvanizada en caliente o acero inoxidable.
- Orientación: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180, LG225, LG315.

ACCESSORIES | ACCESORIOS



INT ATEX pg.434
Switch for ATEX environments.
Interruptor para funcionar en entornos ATEX.



SFC pg.433
Frequency speed controller.
Variador de velocidad frecuencial.



RA pg.400
Inlet protection guard.
Rejilla aspiración.



JE 45 pg.416
Flexible joint.
Junta elástica.



SIL-C pg.426
Duct circular silencer.
Silenciador circular conducto.



EI pg.412
Outlet flange.
Embocadura impulsión.



BA-400 pg.416
Anti-vibrating flange 400º/2h. flexible.
Brida antivibratoria 400º/2h.



FS pg.409
Front support for medium and high pressure fans
Pie soporte delantero para ventiladores de media y alta presión



AB pg.425
Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals



AVR pg.422
Anti-vibration rubber block.
Amortiguador antivibrátil de caucho.



AVS pg.423
Spring anti-vibration blocks.
Amortiguador de muelles.



RI pg.398
Outlet protection guard.
Reja de protección.



AC pg.411
Connexion flange.
Brida de conexión.



BAD pg.416
Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | Rated. R.P.M. | Rated I (A) | | Rat.. Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € Ex-nA | R.R.P. € Ex-e | R.R.P. € Ex-d |
|-------------|-------------------------|------------------|-------------|------|-------------------|------------------|------------------|--------------|-------------------|------------------|------------------|
| | | | 230V | 400V | | | | | | | |
| Código | Modelo | R.P.M. nom. | I máx. (A) | | P. Nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € Ex-nA | P.V.P € Ex-e | P.V.P € Ex-d |
| | | | 230V | 400V | | | | | | | |
| 502904017XY | AAZA 400 T2 0,75kW ATEX | 2800 | 2,75 | 1,58 | 1,58 | 430 | 71 | 39 | 2.448,90 | 2.634,20 | 2.845,50 |
| 502904018XY | AAZA 400 T2 1,1kW ATEX | 2800 | 4,05 | 2,33 | 2,33 | 470 | 72 | 39 | 2.468,90 | 2.666,70 | 2.854,00 |
| 502904518XY | AAZA 450 T2 1,1kW ATEX | 2800 | 4,05 | 2,33 | 2,33 | 540 | 74 | 42 | 2.661,70 | 2.859,40 | 3.046,80 |
| 502904519XY | AAZA 450 T2 1,5kW ATEX | 2800 | 5,46 | 3,14 | 3,14 | 650 | 74 | 45 | 2.825,30 | 3.150,40 | 3.249,50 |
| 502905027XY | AAZA 500 T2 2,2kW ATEX | 2800 | 7,97 | 4,58 | 4,58 | 870 | 77 | 55 | 3.230,90 | 3.544,60 | 3.719,80 |
| 502905029XY | AAZA 500 T2 3kW ATEX | 2870 | 10,3 | 5,92 | 5,92 | 870 | 77 | 63 | 3.395,70 | 3.747,30 | 4.052,00 |
| 502905629XY | AAZA 560 T2 3kW ATEX | 2870 | 10,3 | 5,92 | 5,92 | 940 | 80 | 89 | 3.553,80 | 3.905,50 | 4.210,10 |
| 502905632XY | AAZA 560 T2 4kW ATEX | 2890 | 13,3 | 7,63 | 7,63 | 1230 | 80 | 100 | 3.683,70 | 4.396,20 | 4.535,30 |
| 502906334XY | AAZA 630 T2 5,5kW ATEX | 2900 | - | 10,6 | 10,6 | 1440 | 84 | 134 | 4.514,20 | 5.208,10 | 5.761,20 |
| 502906336XY | AAZA 630 T2 7,5kW ATEX | 2900 | - | 14,1 | 14,1 | 1800 | 85 | 134 | 4.594,10 | 5.361,30 | 6.031,30 |
| 502907136XY | AAZA 710 T2 7,5kW ATEX | 2900 | - | 14,1 | 14,1 | 1230 | 87 | 202 | 5.154,80 | 5.922,10 | 6.591,90 |
| 502907121XY | AAZA 710 T2 11kW ATEX | 2930 | - | 20,8 | 20,8 | 2520 | 89 | 218 | 5.926,30 | 6.980,90 | 7.481,20 |
| 502908024XY | AAZA 800 T2 15kW ATEX | 2930 | - | 27,4 | 27,4 | 2520 | 92 | 262 | 7.114,70 | 8.515,20 | 9.700,20 |
| 502908026XY | AAZA 800 T2 18,5kW ATEX | 2935 | - | 34,4 | 34,4 | 2880 | 93 | 277 | 7.301,00 | 8.787,60 | 10.022,70 |
| 502908056XY | AAZA 800 T4 3kW ATEX | 1430 | 10,7 | 6,17 | 6,17 | 1800 | 76 | 195 | 5.627,20 | 5.900,30 | 6.379,00 |
| 502908059XY | AAZA 800 T4 4kW ATEX | 1440 | 14,5 | 8,32 | 8,32 | 1800 | 77 | 202 | 5.747,00 | 6.169,60 | 6.755,10 |
| 502909061XY | AAZA 900 T4 5,5kW ATEX | 1440 | - | 10,5 | 10,5 | 2520 | 79 | 307 | 7.849,50 | 8.708,60 | 9.097,80 |
| 502909063XY | AAZA 900 T4 7,5kW ATEX | 1440 | - | 14,1 | 14,1 | 2880 | 79 | 341 | 7.999,40 | 8.844,80 | 9.449,40 |
| 502910049XY | AAZA 1000 T4 11kW ATEX | 1460 | - | 21,2 | 21,2 | 4000 | 82 | 410 | 12.360,10 | 13.648,20 | 14.721,10 |
| 502910063XY | AAZA 1000 T4 7,5kW ATEX | 1440 | - | 14,1 | 14,1 | 3240 | 80 | 370 | 11.631,00 | 12.476,40 | 13.081,10 |

NOTE: consult prices for models from 1121 to 1402. Available bigger sizes. Consult.

NOTA: Modelos de 1121 a 1402 consultar precio. Disponibles tamaños superiores. Consulte.

Different ATEX configurations of free shaft without motor or belt driven motor Eje libre sin motor o motor a transmisión en diferentes configuraciones ATEX



MTCA ATEX



MTRL ATEX



MTRM ATEX



MTRU ATEX



MTGR ATEX



MTZM ATEX

MANUFACTURING FEATURES

- Rolling steel sheet housing, fully welded and protected against corrosion with epoxy powder finishing coat.
- Galvanized sheet impeller for forward models (MTCA) or sheet steel for backward (rest of series) protected against corrosion by epoxy resin coating.
- The fan is supplied with free axle (sist.1), that is: without motor, pulleys or belts or with motor and transmission set (syst.9 and 12).
- Fans are equipped with protective grilles on the inlet and outlet.
- For models with motor: ATEX standard squirrel cage asynchronous motor with IP-55 protection and class F insulation. ATEX certified: II2G Ex-d, Ex-e / II3GD Ex-nA. Standard voltages 230/400V 50Hz for three-phase motors up to 4kW and 400/690V 50Hz for higher powers.
- Spark-proof fans.

APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, air extraction or injection.
- Cooling of machines and parts.
- Clean air and pneumatic transport.
- Clean air or slightly dusty air transport (MTCA and MTRL).
- Transport of dusty air or with low load of granulated materials (MTRM y MTRU).
- Solid material transport and textile fibers (MTGR and MTZM P/R).

UNDER REQUEST

- Hot-dipped galvanised or stainless steel fans.

This is a belt driven range, each model can be manufactured at different rpm, in case of order should be indicated the desired rpm for the correct operation of the unit and according to the needs.



CARACTERÍSTICAS CONSTRUCTIVAS

- Carcasa fabricada en chapa de acero laminado totalmente soldada y protegida contra la corrosión mediante recubrimiento en polvo de resina epoxy.
- Turbina de chapa galvanizada para modelos a acción (MTCA) o de chapa de acero para los de reacción (resto de series) protegida contra la corrosión mediante recubrimiento de resina epoxy.
- El ventilador se suministra a eje libre (sist.1), es decir: sin motor, poleas ni correas o con motor y conjunto de transmisión (sist.9 y 12).
- Los ventiladores se suministran con rejilla de protección tanto en la boca de aspiración como en la de impulsión.
- Para los motores: motor asíncrono ATEX normalizado de jaula de ardilla con protección IP-55, aislamiento clase F. Certificación ATEX: II2G Ex-d, Ex-e / II3GD Ex-nA. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Ventiladores antichispas.

APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Aire limpio y transporte neumático.
- Transporte de aire limpio o ligeramente polvoriento (MTCA y MTRL).
- Transporte de aire polvoriento o con ligera carga de materiales granulados (MTRM y MTRU).
- Transporte de materia sólida y fibra textil (MTGR y MTZM P/R).

BAJO DEMANDA

- Ventiladores fabricados en chapa galvanizada en caliente o acero inoxidable.

Esta gama es a transmisión, cada modelo se puede fabricar a distintas rpm, en caso de pedido se debe indicar las rpm a las que desea el equipo para que el modelo quede correctamente definido y sea adecuado a sus necesidades.

ACCESSORIES | ACCESORIOS

ATEX OPTIONS UNDER REQUEST | OPCIONES ATEX BAJO DEMANDA

Three-phase MOTOR explosion-proof under the ATEX 2014/34/EU Directive for working temperatures from -20°C to +40°C.

MOTORES trifásicos antiexplosivos bajo Directiva ATEX 2014/34/UE para temperaturas de trabajo de -20°C a +40°C.

- ATEX Explosion-proof for GAS | ATEX Antideflagrantes para GAS

ⓈII2G Ex-d IIB T4 IP66

ⓈII2G Ex-d IIC T4 IP66 (OPTIONAL PTC PROBE) | Sonda PTC OPCIONAL

ⓈII2G Ex-d IIC T5 IP66

- ATEX Increased security for GAS | ATEX Seguridad aumentada para GAS:

ⓈII2G Ex-e T3 IP55

- ATEX Protection "n" for GAS | ATEX Protección "n" para GAS:

ⓈII3G Ex-nA IIC T4 Gc

- ATEX Protection "n" for GAS and NON-CONDUCTIVE DUST |

ATEX Protección "n" para GAS y POLVO NO CONDUCTOR:

ⓈII3GD Ex-na IIC T4 Gc Ex-rc IIB T125° IP55 ZONA 22

- ATEX Explosion-proof for GAS and DUST | ATEX Antideflagrantes para GAS y POLVO:

ⓈII2GD Ex-d IIC T4 IP66

ⓈII2GD Ex-d IIC T5 IP66

- ATEX Increased security for DUST | ATEX Seguridad aumentada para POLVO:

ⓈII3D Ex-e Dc

- ATEX Protection by enclosure for DRIVER DUST | ATEX Protección por recinto

para POLVO CONDUCTOR:

ⓈII3D Ex-rc IIC T125° Dc IP55 ZONA 22

To carry out the selection of an ATEX fan, please use the curves that you will find in the Fanware by Casals selection software. The electrical data of these ATEX models can be modified.

Para llevar a cabo la selección de un ventilador ATEX, por favor use las curvas que encontrará en el programa de selección Fanware by Casals. Los datos eléctricos de estos Modelos ATEX pueden verse modificados.



INT ATEX pg.434

Switch for ATEX environments.
Interruptor para funcionar en entornos ATEX.



JE 45 pg.416

Flexible joint.
Junta elástica.



BA-400 pg.416

Anti-vibrating flange 400°/2h. flexible.
Brida antivibratoria 400°/2h.



FS pg.409

Front support for medium and high pressure fans
Pie soporte delantero para ventiladores de media y alta presión



AVR pg.422

Anti-vibrator rubber block.
Amortiguador antivibrátil de caucho.



SFC pg.433

Frequency speed controller.
Variador de velocidad frecuencial.



SIL-C pg.426

Duct circular silencer.
Silenciador circular conducto.



AC pg.411

Connexion flange.
Brida de conexión.



AB pg.425

Acoustic cabins for Casals centrifugal fans
Cabinas acústicas para ventiladores centrífugos Casals



AVS pg.423

Spring anti-vibration blocks.
Amortiguador de muelles.



RA pg.400

Inlet protection guard.
Rejilla aspiración.



EI pg.412

Outlet flange.
Embocadura impulsión.



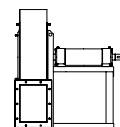
BAD pg.416

Circular-Circular coupling flange.
Brida de acoplamiento circular-circular.



RI pg.398

Outlet guard.
Reja impulsión.



FAN EXECUTION 1 (FREE SHAFT) | VENTILADOR SISTEMA 1 (EJE LIBRE SIN BANCADA)

MTCA ATEX - Centrifugal belt driven fan to move clean air ATEX | Ventilador centrífugo a transmisión para mover aire limpio ATEX

| Code | Model | Máx. R.P.M. | Máx. power kW | Air flow m ³ /h | Sound dB (A) | Weight Kg | R.R.P € |
|-------------|-------------------|-------------|------------------|----------------------------|---------------|-----------|----------|
| Código | Modelo | RPM máx. | Potencia máx. kW | Q máx. m ³ /h | Sonido dB (A) | Peso Kg | P.V.P € |
| 503602200X0 | MTCA 220 (sist 1) | 3500 | 2,2 | 3.390 | 63 | (s.1) 27 | 1.720,70 |
| 503602500X0 | MTCA 250 (sist 1) | 3300 | 3 | 4.390 | 65 | (s.1) 31 | 1.934,80 |
| 503602800X0 | MTCA 280 (sist 1) | 2600 | 3 | 4.900 | 61 | (s.1) 36 | 2.132,50 |
| 503603100X0 | MTCA 310 (sist 1) | 2400 | 4 | 6.280 | 67 | (s.1) 45 | 2.299,80 |
| 503603500X0 | MTCA 350 (sist 1) | 2200 | 4 | 7.700 | 68 | (s.1) 73 | 2.654,50 |
| 503604000X0 | MTCA 400 (sist 1) | 2100 | 15 | 14.660 | 71 | (s.1) 88 | 2.831,90 |
| 503604500X0 | MTCA 450 (sist 1) | 1800 | 15 | 17.840 | 71 | (s.1) 100 | 3.094,90 |
| 503605000X0 | MTCA 500 (sist 1) | 1700 | 22 | 22.220 | 72 | (s.1) 120 | 3.794,10 |
| 503605600X0 | MTCA 560 (sist 1) | 1500 | 30 | 30.330 | 69 | (s.1) 182 | 4.497,50 |
| 503606300X0 | MTCA 630 (sist 1) | 1300 | 30 | 34.040 | 71 | (s.1) 223 | 4.668,80 |

MTRL ATEX - Centrifugal belt driven fan, for clean or slightly dusty air ATEX | Ventilador centrífugo a transmisión, para aire limpio o ligeramente polvoriento ATEX

| Code | Model | Máx. R.P.M. | Máx. power kW | Air flow m ³ /h | Sound dB (A) | Weight Kg | R.R.P € |
|-------------|--------------------|-------------|------------------|----------------------------|---------------|-----------|----------|
| Código | Modelo | RPM máx. | Potencia máx. kW | Q máx. m ³ /h | Sonido dB (A) | Peso Kg | P.V.P € |
| 503402500X0 | MTRL 250 (sist 1) | 3500 | 3 | 2.960 | 60 | (s.1) 32 | 1.826,80 |
| 503402800X0 | MTRL 280 (sist 1) | 3500 | 3 | 3.800 | 64 | (s.1) 46 | 2.051,00 |
| 503403100X0 | MTRL 310 (sist 1) | 3500 | 4 | 6.120 | 65 | (s.1) 50 | 2.275,20 |
| 503403500X0 | MTRL 350 (sist 1) | 3500 | 4 | 7.960 | 69 | (s.1) 76 | 2.815,50 |
| 503404000X0 | MTRL 400 (sist 1) | 3500 | 11 | 12.125 | 73 | (s.1) 92 | 3.076,50 |
| 503404500X0 | MTRL 450 (sist 1) | 3300 | 15 | 16.470 | 77 | (s.1) 105 | 3.304,90 |
| 503405000X0 | MTRL 500 (sist 1) | 3000 | 15 | 17.820 | 77 | (s.1) 145 | 3.938,90 |
| 503405600X0 | MTRL 560 (sist 1) | 2600 | 22 | 25.570 | 78 | (s.1) 196 | 4.591,40 |
| 503406300X0 | MTRL 630 (sist 1) | 2300 | 22 | 32.775 | 77 | (s.1) 239 | 5.227,40 |
| 503407100X0 | MTRL 710 (sist 1) | 2100 | 37 | 43.820 | 78 | (s.1) 360 | 5.983,70 |
| 503408000X0 | MTRL 800 (sist 1) | 1900 | 45 | 52.910 | 79 | (s.1) 442 | 6.978,70 |
| 503409000X0 | MTRL 900 (sist 1) | 1700 | 55 | 66.725 | 80 | (s.1) 570 | 8.030,80 |
| 503410000X0 | MTRL 1000 (sist 1) | 1400 | 55 | 74.170 | 78 | (s.1) 800 | 9.918,60 |

MTRM ATEX - Centrifugal belt driven fan, for clean or dusty air ATEX | Ventilador centrífugo a transmisión, para aire limpio o polvoriento ATEX

| Code | Model | Máx. R.P.M. | Máx. power kW | Air flow m ³ /h | Sound dB (A) | Weight Kg | R.R.P € |
|-------------|--------------------|-------------|------------------|----------------------------|---------------|-----------|----------|
| Código | Modelo | RPM máx. | Potencia máx. kW | Q máx. m ³ /h | Sonido dB (A) | Peso Kg | P.V.P € |
| 503202200X0 | MTRM 220 (sist 1) | 3500 | 1,1 | 1.000 | 50 | (s.1) 20 | 1.472,00 |
| 503202500X0 | MTRM 250 (sist 1) | 3500 | 1,5 | 1.560 | 56 | (s.1) 25 | 1.669,80 |
| 503202800X0 | MTRM 280 (sist 1) | 3500 | 2,2 | 2.180 | 59 | (s.1) 40 | 1.875,60 |
| 503203100X0 | MTRM 310 (sist 1) | 3500 | 4 | 3.080 | 61 | (s.1) 45 | 1.998,00 |
| 503203500X0 | MTRM 350 (sist 1) | 3500 | 4 | 4.200 | 65 | (s.1) 75 | 2.458,70 |
| 503204000X0 | MTRM 400 (sist 1) | 3500 | 5,5 | 7.160 | 68 | (s.1) 86 | 2.711,60 |
| 503204500X0 | MTRM 450 (sist 1) | 3500 | 9 | 8.910 | 71 | (s.1) 98 | 2.365,00 |
| 503205000X0 | MTRM 500 (sist 1) | 3150 | 11 | 13.400 | 74 | (s.1) 115 | 3.478,10 |
| 503205600X0 | MTRM 560 (sist 1) | 2950 | 18,5 | 18.250 | 76 | (s.1) 194 | 4.418,00 |
| 503206300X0 | MTRM 630 (sist 1) | 2500 | 22 | 19.200 | 74 | (s.1) 229 | 5.121,40 |
| 503207100X0 | MTRM 710 (sist 1) | 2250 | 22 | 23.350 | 75 | (s.1) 346 | 5.633,10 |
| 503208000X0 | MTRM 800 (sist 1) | 2000 | 37 | 32.510 | 75 | (s.1) 421 | 6.269,20 |
| 503209000X0 | MTRM 900 (sist 1) | 1800 | 45 | 40.600 | 76 | (s.1) 517 | 7.620,90 |
| 503210000X0 | MTRM 1000 (sist 1) | 1600 | 55 | 51.350 | 76 | (s.1) 746 | 9.305,00 |

MTRU ATEX - Centrifugal belt driven fan, for clean or dusty air ATEX | Ventilador centrífugo a transmisión, para aire limpio o polvoriento ATEX

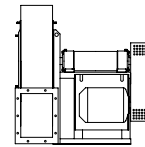
| Code | Model | Máx. R.P.M. | Máx. power kW | Air flow m ³ /h | Sound dB (A) | Weight Kg | R.R.P € |
|-------------|--------------------|-------------|------------------|----------------------------|---------------|-----------|-----------|
| Código | Modelo | RPM máx. | Potencia máx. kW | Q máx. m ³ /h | Sonido dB (A) | Peso Kg | P.V.P € |
| 503302500X0 | MTRU 250 (sist 1) | 3500 | 2,2 | 1.180 | 52 | (s.1) 30 | 1.694,20 |
| 503302800X0 | MTRU 280 (sist 1) | 3500 | 3 | 1.660 | 55 | (s.1) 37 | 1.902,10 |
| 503303100X0 | MTRU 310 (sist 1) | 3500 | 4 | 2.600 | 57 | (s.1) 55 | 2.028,60 |
| 503303500X0 | MTRU 350 (sist 1) | 3500 | 4 | 3.570 | 59 | (s.1) 72 | 2.499,50 |
| 503304000X0 | MTRU 400 (sist 1) | 3500 | 11 | 5.025 | 60 | (s.1) 82 | 2.805,40 |
| 503304500X0 | MTRU 450 (sist 1) | 3500 | 18,5 | 10.700 | 69 | (s.1) 98 | 3.094,90 |
| 503305000X0 | MTRU 500 (sist 1) | 3500 | 22 | 13.000 | 71 | (s.1) 135 | 3.618,80 |
| 503305600X0 | MTRU 560 (sist 1) | 3500 | 30 | 17.950 | 73 | (s.1) 182 | 4.621,90 |
| 503306300X0 | MTRU 630 (sist 1) | 3200 | 37 | 25.150 | 75 | (s.1) 218 | 5.384,40 |
| 503307100X0 | MTRU 710 (sist 1) | 2900 | 55 | 34.640 | 72 | (s.1) 325 | 5.957,30 |
| 503308000X0 | MTRU 800 (sist 1) | 2600 | 75 | 46.650 | 73 | (s.1) 400 | 6.805,40 |
| 503309000X0 | MTRU 900 (sist 1) | 2300 | 90 | 57.800 | 75 | (s.1) 485 | 8.336,50 |
| 503310000X0 | MTRU 1000 (sist 1) | 2000 | 90 | 66.150 | 73 | (s.1) 710 | 10.138,90 |

MTGR ATEX - Centrifugal belt driven fan, for clean or slightly dusty air ATEX | Ventilador centrífugo a transmisión, para aire limpio o ligeramente polvoriento ATEX

| Code | Model | Máx. R.P.M. | Máx. power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-------------|--------------------|-------------|------------------|---------------|---------------|-----------|----------|
| Código | Modelo | RPM máx. | Potencia máx. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € |
| 503504000X0 | MTGR 400 (sist 1) | 3500 | 9 | 4.690 | 64 | (s.1) 80 | 2.825,80 |
| 503504500X0 | MTGR 450 (sist 1) | 3500 | 11 | 6.225 | 71 | (s.1) 95 | 3.076,50 |
| 503505000X0 | MTGR 500 (sist 1) | 3500 | 15 | 9.320 | 75 | (s.1) 135 | 3.600,50 |
| 503505600X0 | MTGR 560 (sist 1) | 3500 | 22 | 13.260 | 79 | (s.1) 187 | 4.456,70 |
| 503506300X0 | MTGR 630 (sist 1) | 3500 | 37 | 18.640 | 81 | (s.1) 218 | 5.417,00 |
| 503507100X0 | MTGR 710 (sist 1) | 3200 | 55 | 24.900 | 84 | (s.1) 336 | 5.873,70 |
| 503508000X0 | MTGR 800 (sist 1) | 2900 | 75 | 32.950 | 86 | (s.1) 400 | 6.687,10 |
| 503509000X0 | MTGR 900 (sist 1) | 2400 | 75 | 38.360 | 88 | (s.1) 489 | 8.049,10 |
| 503510000X0 | MTGR 1000 (sist 1) | 2200 | 90 | 46.480 | 86 | (s.1) 694 | 9.602,60 |

MTZM P/R - Centrifugal belt driven fan for solid material transport ATEX | Ventilador centrífugo a transmisión para transporte de material sólido ATEX

| Code | Model | Máx. R.P.M. | Máx. power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-------------|------------------------|-------------|------------------|---------------|---------------|-----------|----------|
| Código | Modelo | RPM máx. | Potencia máx. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € |
| 503702500X0 | MTZM 250 P/R (sist 1) | 3500 | 0,75 | 1.520 | 61 | (s.1) 25 | 1.667,70 |
| 503702800X0 | MTZM 280 P/R (sist 1) | 3500 | 1,5 | 2.240 | 64 | (s.1) 40 | 1.871,60 |
| 503703100X0 | MTZM 310 P/R (sist 1) | 3500 | 4 | 2.915 | 66 | (s.1) 45 | 1.993,90 |
| 503703500X0 | MTZM 350 P/R (sist 1) | 3500 | 4 | 4.200 | 69 | (s.1) 75 | 2.452,60 |
| 503704000X0 | MTZM 400 P/R (sist 1) | 3500 | 9 | 6.580 | 73 | (s.1) 86 | 2.705,50 |
| 503704500X0 | MTZM 450 P/R (sist 1) | 3500 | 15 | 9.080 | 75 | (s.1) 98 | 2.952,10 |
| 503705000X0 | MTZM 500 P/R (sist 1) | 3100 | 22 | 12.810 | 76 | (s.1) 115 | 3.459,80 |
| 503705600X0 | MTZM 560 P/R (sist 1) | 2950 | 30 | 15.020 | 79 | (s.1) 200 | 4.420,10 |
| 503706300X0 | MTZM 630 P/R (sist 1) | 2550 | 37 | 18.540 | 78 | (s.1) 235 | 5.068,40 |
| 503707100X0 | MTZM 710 P/R (sist 1) | 2300 | 45 | 22.130 | 79 | (s.1) 350 | 5.482,30 |
| 503708000X0 | MTZM 800 P/R (sist 1) | 2000 | 55 | 30.350 | 79 | (s.1) 420 | 6.102,00 |
| 503709000X0 | MTZM 900 P/R (sist 1) | 1750 | 55 | 35.125 | 79 | (s.1) 515 | 7.351,80 |
| 503710000X0 | MTZM 1000 P/R (sist 1) | 1550 | 90 | 46.750 | 78 | (s.1) 732 | 8.999,10 |

FAN EXECUTION 9 (WITH BACKPACK) | VENTILADOR SISTEMA 9 (CON MOCHILA)

MTCA ATEX - Centrifugal belt driven fan to move clean air ATEX | Ventilador centrífugo a transmisión para mover aire limpio ATEX
Ex-nA

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | |
|-------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 |
| MTCA 220 (sist 9) | 3.241,00 | 3.296,00 | 3.320,90 | 3.390,00 | | | | | | | | | | | |
| MTCA 250 (sist 9) | 3.500,40 | 3.555,30 | 3.580,30 | 3.649,40 | 3.750,50 | 3.909,00 | 4.012,40 | | | | | | | | |
| MTCA 280 (sist 9) | 3.861,10 | 3.916,00 | 3.941,10 | 4.010,20 | 4.111,20 | 4.269,80 | 4.373,20 | | | | | | | | |
| MTCA 310 (sist 9) | 4.088,40 | 4.143,30 | 4.168,40 | 4.237,50 | 4.338,50 | 4.497,10 | 4.600,50 | 4.796,00 | | | | | | | |
| MTCA 350 (sist 9) | 4.518,20 | 4.573,10 | 4.598,20 | 4.667,30 | 4.768,30 | 4.926,90 | 5.030,30 | 5.225,80 | | | | | | | |
| MTCA 400 (sist 9) | | | | 4.983,80 | 5.084,90 | 5.243,40 | 5.346,80 | 5.542,30 | 5.812,90 | 6.032,80 | | | | | |
| MTCA 450 (sist 9) | | | | | 5.403,50 | 5.562,00 | 5.665,50 | 5.860,90 | 6.131,40 | 6.351,40 | | | | | |
| MTCA 500 (sist 9) | | | | | | 6.629,40 | 6.732,80 | 6.928,30 | 7.198,80 | 7.418,80 | 8.149,70 | 8.291,60 | 8.619,50 | | |
| MTCA 560 (sist 9) | | | | | | | | 7.847,20 | 8.117,70 | 8.337,60 | 9.068,70 | 9.210,60 | 9.538,50 | 10.262,00 | 10.540,10 |
| MTCA 630 (sist 9) | | | | | | | | | 8.429,00 | 8.649,00 | 9.379,90 | 9.521,80 | 9.849,70 | 10.573,40 | 10.851,50 |

Ex-e

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | |
|-------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 |
| MTCA 220 (sist 9) | 3.367,30 | 3.429,20 | 3.458,70 | 3.573,10 | | | | | | | | | | | |
| MTCA 250 (sist 9) | 3.626,60 | 3.688,50 | 3.718,00 | 3.832,50 | 3.940,50 | 4.170,20 | 4.285,60 | | | | | | | | |
| MTCA 280 (sist 9) | 3.987,40 | 4.049,30 | 4.078,70 | 4.193,20 | 4.301,30 | 4.530,90 | 4.646,30 | | | | | | | | |
| MTCA 310 (sist 9) | 4.214,70 | 4.276,60 | 4.306,00 | 4.420,50 | 4.528,50 | 4.758,20 | 4.873,60 | 5.218,60 | | | | | | | |
| MTCA 350 (sist 9) | 4.644,60 | 4.706,50 | 4.735,80 | 4.850,30 | 4.958,40 | 5.188,00 | 5.303,40 | 5.648,40 | | | | | | | |
| MTCA 400 (sist 9) | | | | 5.166,80 | 5.274,90 | 5.504,50 | 5.619,90 | 5.964,90 | 6.671,90 | 6.878,20 | | | | | |
| MTCA 450 (sist 9) | | | | | 5.593,60 | 5.823,20 | 5.938,60 | 6.283,60 | 6.990,50 | 7.196,80 | | | | | |
| MTCA 500 (sist 9) | | | | | | 6.890,50 | 7.005,90 | 7.350,90 | 8.057,90 | 8.264,20 | 9.019,30 | 9.579,90 | 10.177,70 | | |
| MTCA 560 (sist 9) | | | | | | | | 8.269,90 | 8.976,80 | 9.183,00 | 9.938,20 | 10.498,70 | 11.096,60 | 14.166,10 | 14.890,00 |
| MTCA 630 (sist 9) | | | | | | | | | 9.288,10 | 9.494,40 | 10.249,50 | 10.810,10 | 11.407,90 | 14.477,50 | 15.201,40 |

Eex-d

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|-------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|--|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | |
| MTCA 220 (sist 9) | 3.592,30 | 3.639,00 | 3.665,80 | 3.751,40 | | | | | | | | | | | | |
| MTCA 250 (sist 9) | 3.851,60 | 3.898,30 | 3.925,10 | 4.010,70 | 4.193,90 | 4.562,40 | 4.764,30 | | | | | | | | | |
| MTCA 280 (sist 9) | 4.212,30 | 4.259,00 | 4.285,90 | 4.371,40 | 4.554,70 | 4.923,10 | 5.125,00 | | | | | | | | | |
| MTCA 310 (sist 9) | 4.439,60 | 4.486,30 | 4.513,20 | 4.598,70 | 4.782,00 | 5.150,40 | 5.352,30 | 5.804,00 | | | | | | | | |
| MTCA 350 (sist 9) | 4.869,50 | 4.916,10 | 4.943,10 | 5.028,50 | 5.211,80 | 5.580,20 | 5.782,10 | 6.233,80 | | | | | | | | |
| MTCA 400 (sist 9) | | | | 5.345,10 | 5.528,30 | 6.098,60 | 6.550,30 | 7.061,10 | 7.482,80 | | | | | | | |
| MTCA 450 (sist 9) | | | | | 5.846,90 | 6.215,40 | 6.417,30 | 6.869,00 | 7.379,70 | 7.801,40 | | | | | | |
| MTCA 500 (sist 9) | | | | | | 7.282,70 | 7.484,60 | 7.936,30 | 8.447,00 | 8.868,80 | 9.487,90 | 10.652,70 | 11.148,50 | | | |
| MTCA 560 (sist 9) | | | | | | | | 8.855,30 | 9.365,90 | 9.787,70 | 10.406,90 | 11.571,60 | 12.067,50 | 14.488,30 | 15.111,10 | |
| MTCA 630 (sist 9) | | | | | | | | | 9.677,30 | 10.099,00 | 10.718,10 | 11.882,90 | 12.378,70 | 14.799,60 | 15.422,30 | |

MTRL ATEX - Centrifugal belt driven fan, for clean or slightly dusty air ATEX | Ventilador centrífugo a transmisión, para aire limpio o ligeramente polvoriento ATEX

Eex-nA

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|--------------------|-----------------------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 |
| MTRL 250 (sist 9) | 3.369,40 | 3.424,40 | 3.449,30 | 3.518,50 | 3.619,60 | 3.778,10 | 3.881,60 | | | | | | | | | |
| MTRL 280 (sist 9) | 3.762,30 | 3.817,30 | 3.842,20 | 3.911,40 | 4.012,40 | 4.170,90 | 4.274,30 | | | | | | | | | |
| MTRL 310 (sist 9) | 4.058,80 | 4.113,70 | 4.138,70 | 4.207,80 | 4.308,90 | 4.467,40 | 4.570,90 | 4.766,30 | | | | | | | | |
| MTRL 350 (sist 9) | 4.713,40 | 4.768,30 | 4.793,30 | 4.862,50 | 4.963,50 | 5.122,10 | 5.225,50 | 5.421,00 | | | | | | | | |
| MTRL 400 (sist 9) | 5.131,20 | 5.186,20 | 5.211,10 | 5.280,30 | 5.381,30 | 5.539,80 | 5.643,20 | 5.838,70 | 6.109,30 | 6.329,20 | | | | | | |
| MTRL 450 (sist 9) | 5.407,90 | 5.462,80 | 5.487,80 | 5.556,90 | 5.657,90 | 5.816,50 | 5.919,90 | 6.115,40 | 6.386,00 | 6.605,90 | | | | | | |
| MTRL 500 (sist 9) | 6.396,10 | 6.451,10 | 6.476,00 | 6.545,10 | 6.646,10 | 6.804,70 | 6.908,10 | 7.103,60 | 7.374,20 | 7.594,10 | 8.325,10 | 8.466,90 | 8.794,80 | | | |
| MTRL 560 (sist 9) | 7.253,40 | 7.308,30 | 7.333,30 | 7.402,40 | 7.503,50 | 7.662,00 | 7.765,50 | 7.960,90 | 8.231,50 | 8.451,40 | 9.182,40 | 9.324,30 | 9.652,20 | 10.375,80 | 10.653,90 | |
| MTRL 630 (sist 9) | | | 8.207,80 | 8.277,00 | 8.378,00 | 8.536,50 | 8.640,00 | 8.835,40 | 9.105,90 | 9.325,90 | 10.056,90 | 10.198,80 | 10.526,70 | 11.250,20 | 11.528,30 | |
| MTRL 710 (sist 9) | | | | | | 9.912,50 | 10.015,90 | 10.211,40 | 10.482,00 | 10.701,90 | 11.432,80 | 11.574,70 | 11.902,60 | 12.626,20 | 12.904,30 | |
| MTRL 800 (sist 9) | | | | | | | 11.379,60 | 11.575,00 | 11.845,60 | 12.065,50 | 12.796,50 | 12.938,40 | 13.266,30 | 13.989,90 | 14.268,00 | |
| MTRL 900 (sist 9) | | | | | | | | | 13.120,40 | 13.340,30 | 14.071,30 | 14.213,10 | 14.541,00 | 15.264,70 | 15.542,80 | |
| MTRL 1000 (sist 9) | | | | | | | | | | | | 16.809,60 | 17.137,50 | 17.861,10 | 18.139,30 | 19.047,20 |
| MTRL 1120 (sist 9) | | | | | | | | | | | | | | | | |
| MTRL 1250 (sist 9) | | | | | | | | | | | | | | | | |
| MTRL 1400 (sist 9) | | | | | | | | | | | | | | | | |
| MTRL 1600 (sist 9) | | | | | | | | | | | | | | | | |

MTRL ATEX - Centrifugal belt driven fan, for clean or slightly dusty air ATEX | Ventilador centrífugo a transmisión, para aire limpio o ligeramente polvoriento ATEX

Eex-e

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|--------------------|-----------------------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 |
| MTRL 250 (sist 9) | 3.495,70 | 3.557,60 | 3.587,10 | 3.701,60 | 3.809,60 | 4.039,30 | 4.154,70 | | | | | | | | | |
| MTRL 280 (sist 9) | 3.888,60 | 3.950,50 | 3.979,90 | 4.094,40 | 4.202,40 | 4.432,20 | 4.547,50 | | | | | | | | | |
| MTRL 310 (sist 9) | 4.185,00 | 4.246,90 | 4.276,40 | 4.390,90 | 4.498,90 | 4.728,60 | 4.844,00 | 5.189,00 | | | | | | | | |
| MTRL 350 (sist 9) | 4.839,80 | 4.901,70 | 4.931,10 | 5.045,50 | 5.153,60 | 5.383,20 | 5.498,60 | 5.843,60 | | | | | | | | |
| MTRL 400 (sist 9) | 5.257,50 | 5.319,40 | 5.348,90 | 5.463,40 | 5.571,30 | 5.801,10 | 5.916,40 | 6.261,40 | 6.968,30 | 7.174,60 | | | | | | |
| MTRL 450 (sist 9) | 5.534,10 | 5.596,00 | 5.625,50 | 5.739,90 | 5.848,00 | 6.077,70 | 6.193,00 | 6.538,00 | 7.245,00 | 7.451,30 | | | | | | |
| MTRL 500 (sist 9) | 6.522,40 | 6.584,30 | 6.613,80 | 6.728,10 | 6.836,20 | 7.065,90 | 7.181,20 | 7.526,20 | 8.233,20 | 8.439,50 | 9.194,60 | 9.755,20 | 10.353,00 | | | |
| MTRL 560 (sist 9) | 7.379,70 | 7.441,50 | 7.471,00 | 7.585,50 | 7.693,60 | 7.923,20 | 8.038,60 | 8.383,60 | 9.090,50 | 9.296,80 | 10.051,90 | 10.612,50 | 11.210,40 | 14.279,90 | 15.003,80 | |
| MTRL 630 (sist 9) | | | 8.345,50 | 8.460,00 | 8.568,00 | 8.797,70 | 8.913,10 | 9.258,10 | 9.965,00 | 10.171,30 | 10.926,50 | 11.486,90 | 12.084,90 | 15.154,40 | 15.878,20 | |
| MTRL 710 (sist 9) | | | | | | 10.173,60 | 10.289,00 | 10.634,00 | 11.341,00 | 11.547,30 | 12.302,40 | 12.862,90 | 13.460,80 | 16.530,40 | 17.254,20 | |
| MTRL 800 (sist 9) | | | | | | | 11.652,80 | 11.997,70 | 12.704,60 | 12.910,90 | 13.666,10 | 14.226,60 | 14.824,50 | 17.894,00 | 18.617,90 | |
| MTRL 900 (sist 9) | | | | | | | | | 13.979,40 | 14.185,70 | 14.940,80 | 15.501,40 | 16.099,30 | 19.168,80 | 19.892,70 | |
| MTRL 1000 (sist 9) | | | | | | | | | | | | 18.097,90 | 18.695,70 | 21.765,30 | 22.489,20 | 24.471,00 |
| MTRL 1120 (sist 9) | | | | | | | | | | | | | | | | |
| MTRL 1250 (sist 9) | | | | | | | | | | | | | | | | |
| MTRL 1400 (sist 9) | | | | | | | | | | | | | | | | |
| MTRL 1600 (sist 9) | | | | | | | | | | | | | | | | |

Eex-d

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|--------------------|-----------------------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 |
| MTRL 250 (sist 9) | 3.720,70 | 3.767,40 | 3.794,20 | 3.879,80 | 4.063,00 | 4.431,50 | 4.633,40 | | | | | | | | | |
| MTRL 280 (sist 9) | 4.113,60 | 4.160,20 | 4.187,10 | 4.272,70 | 4.455,90 | 4.824,30 | 5.026,30 | | | | | | | | | |
| MTRL 310 (sist 9) | 4.410,00 | 4.456,70 | 4.483,50 | 4.569,10 | 4.752,30 | 5.120,80 | 5.322,70 | 5.774,40 | | | | | | | | |
| MTRL 350 (sist 9) | 5.064,70 | 5.111,30 | 5.138,30 | 5.223,70 | 5.407,00 | 5.775,40 | 5.977,30 | 6.429,00 | | | | | | | | |
| MTRL 400 (sist 9) | 5.482,50 | 5.529,20 | 5.556,00 | 5.641,60 | 5.824,80 | 6.193,20 | 6.395,20 | 6.846,80 | 7.357,50 | 7.779,30 | | | | | | |
| MTRL 450 (sist 9) | 5.759,20 | 5.805,70 | 5.832,60 | 5.918,20 | 6.101,40 | 6.469,90 | 6.671,80 | 7.123,40 | 7.634,20 | 8.055,90 | | | | | | |
| MTRL 500 (sist 9) | 6.747,40 | 6.794,10 | 6.820,90 | 6.906,50 | 7.089,60 | 7.458,10 | 7.660,00 | 8.111,70 | 8.622,40 | 9.044,10 | 9.663,30 | 10.828,10 | 11.323,80 | | | |
| MTRL 560 (sist 9) | 7.604,70 | 7.651,30 | 7.678,10 | 7.763,70 | 7.946,90 | 8.315,40 | 8.517,30 | 8.969,00 | 9.479,70 | 9.901,40 | 10.520,70 | 11.685,40 | 12.181,20 | 14.602,10 | 15.224,90 | |
| MTRL 630 (sist 9) | | | 8.552,60 | 8.638,20 | 8.821,50 | 9.189,90 | 9.391,80 | 9.843,50 | 10.354,10 | 10.775,90 | 11.395,10 | 12.559,80 | 13.055,70 | 15.476,60 | 16.099,30 | |
| MTRL 710 (sist 9) | | | | | | 10.565,80 | 10.767,70 | 11.219,40 | 11.730,20 | 12.151,90 | 12.771,10 | 13.935,90 | 14.431,60 | 16.852,50 | 17.475,30 | |
| MTRL 800 (sist 9) | | | | | | | 12.131,40 | 12.583,10 | 13.093,80 | 13.515,50 | 14.134,80 | 15.299,50 | 15.795,30 | 18.216,20 | 18.839,00 | |
| MTRL 900 (sist 9) | | | | | | | | | 14.368,60 | 14.790,40 | 15.409,50 | | | 19.491,00 | 20.113,70 | |
| MTRL 1000 (sist 9) | | | | | | | | | | | | 19.170,80 | 19.666,60 | 22.087,40 | 22.710,20 | 25.343,90 |
| MTRL 1120 (sist 9) | | | | | | | | | | | | | | | | |
| MTRL 1250 (sist 9) | | | | | | | | | | | | | | | | |
| MTRL 1400 (sist 9) | | | | | | | | | | | | | | | | |
| MTRL 1600 (sist 9) | | | | | | | | | | | | | | | | |

Consult | Consultar

MTRM ATEX - Centrifugal belt driven fan, for clean or dusty air ATEX | Ventilador centrífugo a transmisión, para aire limpio o polvoriento ATEX
Eex-nA

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | | |
|--------------------|-----------------------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | |
| MTRM 220 (sist 9) | 2.939,60 | 2.994,60 | 3.019,50 | 3.088,60 | | | | | | | | | | | | | |
| MTRM 250 (sist 9) | 3.179,30 | 3.234,20 | 3.259,20 | 3.328,40 | 3.429,40 | | | | | | | | | | | | |
| MTRM 280 (sist 9) | 3.549,80 | 3.604,80 | 3.629,70 | 3.698,90 | 3.799,90 | 3.958,50 | | | | | | | | | | | |
| MTRM 310 (sist 9) | 3.722,80 | 3.777,60 | 3.802,70 | 3.871,80 | 3.972,80 | 4.131,40 | 4.234,80 | 4.430,30 | | | | | | | | | |
| MTRM 350 (sist 9) | 4.281,10 | 4.335,90 | 4.361,00 | 4.430,10 | 4.531,10 | 4.689,70 | 4.793,10 | 4.988,60 | | | | | | | | | |
| MTRM 400 (sist 9) | | 4.743,80 | 4.768,90 | 4.838,00 | 4.939,00 | 5.097,60 | 5.201,00 | 5.396,50 | 5.667,00 | | | | | | | | |
| MTRM 450 (sist 9) | | | | 4.418,10 | 4.519,10 | 4.677,60 | 4.781,10 | 4.976,50 | 5.247,10 | 5.467,00 | 6.198,00 | | | | | | |
| MTRM 500 (sist 9) | | | | 5.986,90 | 6.087,90 | 6.246,40 | 6.349,80 | 6.545,30 | 6.815,90 | 7.035,80 | 7.766,70 | 7.908,60 | | | | | |
| MTRM 560 (sist 9) | | | | 7.192,40 | 7.293,50 | 7.452,00 | 7.555,50 | 7.750,90 | 8.021,50 | 8.241,40 | 8.972,40 | 9.114,20 | 9.442,20 | 10.165,80 | | | |
| MTRM 630 (sist 9) | | | | | 8.249,60 | 8.408,00 | 8.511,50 | 8.706,90 | 8.977,50 | 9.197,40 | 9.928,40 | 10.070,20 | 10.398,20 | 11.121,80 | 11.399,90 | | |
| MTRM 710 (sist 9) | | | | | | | 9.590,90 | 9.786,40 | 10.057,00 | 10.276,90 | 11.007,80 | 11.149,70 | 11.477,60 | 12.201,30 | 12.479,40 | | |
| MTRM 800 (sist 9) | | | | | | | 10.519,80 | 10.715,30 | 10.985,90 | 11.205,70 | 11.936,80 | 12.078,70 | 12.406,50 | 13.130,10 | 13.408,20 | | |
| MTRM 900 (sist 9) | | | | | | | | 12.353,20 | 12.623,80 | 12.843,70 | 13.574,70 | 13.716,60 | 14.044,50 | 14.768,10 | 15.046,20 | | |
| MTRM 1000 (sist 9) | | | | | | | | | | | 15.193,20 | 15.924,20 | 16.066,10 | 16.394,00 | 17.117,60 | 17.395,70 | 18.303,60 |
| MTRM 1120 (sist 9) | | | | | | | | | | | | | | | | | |
| MTRM 1250 (sist 9) | | | | | | | | | | | | | | | | | |
| MTRM 1400 (sist 9) | | | | | | | | | | | | | | | | | |
| MTRM 1600 (sist 9) | | | | | | | | | | | | | | | | | |

Consult | Consultar

Eex-e

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | | |
|--------------------|-----------------------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | |
| MTRM 220 (sist 9) | 3.065,90 | 3.127,80 | 3.157,30 | 3.271,70 | | | | | | | | | | | | | |
| MTRM 250 (sist 9) | 3.305,60 | 3.367,50 | 3.396,90 | 3.511,30 | 3.619,40 | | | | | | | | | | | | |
| MTRM 280 (sist 9) | 3.676,10 | 3.738,00 | 3.767,50 | 3.882,00 | 3.989,90 | 4.219,70 | | | | | | | | | | | |
| MTRM 310 (sist 9) | 3.849,10 | 3.911,00 | 3.940,30 | 4.054,80 | 4.162,90 | 4.392,50 | 4.507,90 | 4.852,90 | | | | | | | | | |
| MTRM 350 (sist 9) | 4.407,30 | 4.469,20 | 4.498,60 | 4.613,10 | 4.721,20 | 4.950,90 | 5.066,20 | 5.411,20 | | | | | | | | | |
| MTRM 400 (sist 9) | | 4.877,10 | 4.906,50 | 5.021,00 | 5.129,00 | 5.358,70 | 5.474,10 | 5.819,10 | 6.526,10 | | | | | | | | |
| MTRM 450 (sist 9) | | | | 4.601,10 | 4.709,10 | 4.938,80 | 5.054,20 | 5.399,20 | 6.106,10 | 6.312,40 | 7.067,60 | | | | | | |
| MTRM 500 (sist 9) | | | | 6.169,80 | 6.277,90 | 6.507,70 | 6.623,00 | 6.967,90 | 7.674,90 | 7.881,20 | 8.636,40 | 9.196,90 | | | | | |
| MTRM 560 (sist 9) | | | | 7.375,50 | 7.483,50 | 7.713,20 | 7.828,60 | 8.173,60 | 8.880,50 | 9.086,80 | 9.841,90 | 10.402,50 | 11.000,40 | 14.069,90 | | | |
| MTRM 630 (sist 9) | | | | | 8.439,60 | 8.669,30 | 8.784,70 | 9.129,60 | 9.836,50 | 10.042,80 | 10.797,90 | 11.358,50 | 11.956,40 | 15.025,90 | 15.749,80 | | |
| MTRM 710 (sist 9) | | | | | | | 9.864,10 | 10.209,00 | 10.916,00 | 11.122,30 | 11.877,50 | 12.438,00 | 13.035,80 | 16.105,40 | 16.829,30 | | |
| MTRM 800 (sist 9) | | | | | | | 10.793,00 | 11.137,90 | 11.844,90 | 12.051,10 | 12.806,40 | 13.366,80 | 13.964,70 | 17.034,20 | 17.758,10 | | |
| MTRM 900 (sist 9) | | | | | | | | 12.775,90 | 13.482,80 | 13.689,10 | 14.444,40 | 15.004,80 | 15.602,70 | 18.672,20 | 19.396,10 | | |
| MTRM 1000 (sist 9) | | | | | | | | | | | 16.038,70 | 16.793,80 | 17.354,30 | 17.952,20 | 21.021,80 | 21.745,60 | 23.727,50 |
| MTRM 1120 (sist 9) | | | | | | | | | | | | | | | | | |
| MTRM 1250 (sist 9) | | | | | | | | | | | | | | | | | |
| MTRM 1400 (sist 9) | | | | | | | | | | | | | | | | | |
| MTRM 1600 (sist 9) | | | | | | | | | | | | | | | | | |

Consult | Consultar

Eex-d

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|--------------------|-----------------------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 |
| MTRM 220 (sist 9) | 3.290,90 | 3.337,60 | 3.364,40 | 3.450,00 | | | | | | | | | | | | |
| MTRM 250 (sist 9) | 3.530,60 | 3.577,20 | 3.604,10 | 3.689,70 | 3.872,90 | | | | | | | | | | | |
| MTRM 280 (sist 9) | 3.901,10 | 3.947,80 | 3.974,60 | 4.060,20 | 4.243,40 | 4.611,90 | | | | | | | | | | |
| MTRM 310 (sist 9) | 4.074,10 | 4.120,60 | 4.147,60 | 4.233,00 | 4.416,30 | 4.784,70 | 4.986,60 | 5.438,30 | | | | | | | | |
| MTRM 350 (sist 9) | 4.632,30 | 4.678,90 | 4.705,80 | 4.791,40 | 4.974,60 | 5.343,10 | 5.545,00 | 5.996,60 | | | | | | | | |
| MTRM 400 (sist 9) | | 5.086,80 | 5.113,70 | 5.199,20 | 5.382,50 | 5.750,90 | 5.952,80 | 6.404,50 | 6.915,20 | | | | | | | |
| MTRM 450 (sist 9) | | | | 4.779,30 | 4.962,60 | 5.331,00 | 5.532,90 | 5.984,60 | 6.495,20 | 6.917,00 | 7.536,20 | | | | | |
| MTRM 500 (sist 9) | | | | 6.348,20 | 6.531,40 | 6.899,80 | 7.101,80 | 7.553,30 | 8.064,10 | 8.485,90 | 9.105,00 | 10.269,80 | | | | |
| MTRM 560 (sist 9) | | | | 7.553,70 | 7.736,90 | 8.105,40 | 8.307,30 | 8.759,00 | 9.269,70 | 9.691,40 | 10.310,70 | 11.475,40 | 11.971,20 | 14.392,10 | | |
| MTRM 630 (sist 9) | | | | | 8.693,00 | 9.061,40 | 9.263,40 | 9.715,00 | 10.225,70 | 10.647,50 | 11.266,70 | 12.431,40 | 12.927,30 | 15.348,10 | 15.970,80 | |
| MTRM 710 (sist 9) | | | | | | | 10.342,90 | 10.794,50 | 11.305,20 | 11.727,00 | 12.346,10 | 13.510,90 | 14.006,70 | 16.427,60 | 17.050,30 | |
| MTRM 800 (sist 9) | | | | | | | 11.271,70 | 11.723,30 | 12.234,00 | 12.655,80 | 13.275,00 | 14.439,70 | 14.935,60 | 17.356,40 | 17.979,20 | |
| MTRM 900 (sist 9) | | | | | | | | 13.361,30 | 13.872,00 | 14.293,80 | 14.913,00 | 16.077,70 | 16.573,60 | 18.994,40 | 19.617,20 | |
| MTRM 1000 (sist 9) | | | | | | | | | | 16.643,30 | 17.262,50 | 18.427,10 | 18.923,00 | 21.343,90 | 21.966,60 | 24.600,30 |
| MTRM 1120 (sist 9) | | | | | | | | | | | | | | | | |
| MTRM 1250 (sist 9) | | | | | | | | | | | | | | | | |
| MTRM 1400 (sist 9) | | | | | | | | | | | | | | | | |
| MTRM 1600 (sist 9) | | | | | | | | | | | | | | | | |

Consult | Consultar

MTRU ATEX - Centrifugal belt driven fan, for clean or dusty air ATEX | Ventilador centrífugo a transmisión, para aire limpio o polvoriento ATEX

Eex-nA

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|--------------------|-----------------------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 |
| MTRU 250 (sist 9) | 3.208,90 | 3.263,90 | 3.288,80 | 3.358,00 | 3.459,10 | 3.617,50 | | | | | | | | | | |
| MTRU 280 (sist 9) | 3.656,00 | 3.711,00 | 3.735,90 | 3.805,10 | 3.906,10 | 4.064,70 | 4.168,00 | | | | | | | | | |
| MTRU 310 (sist 9) | 3.759,70 | 3.814,70 | 3.839,60 | 3.908,80 | 4.009,90 | 4.168,40 | 4.271,80 | 4.467,30 | | | | | | | | |
| MTRU 350 (sist 9) | 4.330,50 | 4.385,40 | 4.410,40 | 4.479,60 | 4.580,60 | 4.739,20 | 4.842,60 | 5.038,10 | | | | | | | | |
| MTRU 400 (sist 9) | | 4.857,50 | 4.882,50 | 4.951,60 | 5.052,70 | 5.211,20 | 5.314,60 | 5.510,10 | 5.780,70 | 6.000,60 | | | | | | |
| MTRU 450 (sist 9) | | | | 5.302,40 | 5.403,50 | 5.562,00 | 5.665,50 | 5.860,90 | 6.131,40 | 6.351,40 | | | | | | |
| MTRU 500 (sist 9) | | | | 6.157,30 | 6.258,30 | 6.416,90 | 6.520,30 | 6.715,80 | 6.986,40 | 7.206,30 | 7.937,20 | 8.079,10 | 8.407,00 | 9.130,70 | | |
| MTRU 560 (sist 9) | | | | 7.439,50 | 7.540,50 | 7.699,10 | 7.802,50 | 7.998,00 | 8.268,50 | 8.488,40 | 9.219,40 | 9.361,30 | 9.689,20 | 10.412,70 | 10.690,80 | |
| MTRU 630 (sist 9) | | | | | 8.568,20 | 8.726,80 | 8.830,20 | 9.025,70 | 9.296,30 | 9.516,20 | 10.247,10 | 10.389,00 | 10.716,90 | 11.440,60 | 11.718,70 | |
| MTRU 710 (sist 9) | | | | | | | 9.983,70 | 10.179,20 | 10.449,80 | 10.669,60 | 11.400,60 | 11.542,50 | 11.870,40 | 12.594,00 | 12.872,10 | |
| MTRU 800 (sist 9) | | | | | | | 11.169,60 | 11.365,00 | 11.635,60 | 11.855,50 | 12.586,50 | 12.728,30 | 13.056,30 | 13.779,90 | 14.058,00 | |
| MTRU 900 (sist 9) | | | | | | | | 13.220,40 | 13.490,90 | 13.710,90 | 14.441,90 | 14.583,80 | 14.911,70 | 15.635,20 | 15.913,30 | |
| MTRU 1000 (sist 9) | | | | | | | | | 15.983,70 | 16.203,60 | 16.934,60 | 17.076,50 | 17.404,40 | 18.128,00 | 18.406,10 | 19.314,00 |
| MTRU 1120 (sist 9) | | | | | | | | | | | | | | | | |
| MTRU 1250 (sist 9) | | | | | | | | | | | | | | | | |
| MTRU 1400 (sist 9) | | | | | | | | | | | | | | | | |
| MTRU 1600 (sist 9) | | | | | | | | | | | | | | | | |

Consult | Consultar

Eex-e

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|--------------------|-----------------------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 |
| MTRU 250 (sist 9) | 3.335,20 | 3.397,10 | 3.426,60 | 3.541,00 | 3.649,00 | 3.878,80 | | | | | | | | | | |
| MTRU 280 (sist 9) | 3.782,30 | 3.844,20 | 3.873,70 | 3.988,10 | 4.096,10 | 4.325,90 | 4.441,20 | | | | | | | | | |
| MTRU 310 (sist 9) | 3.886,00 | 3.947,90 | 3.977,40 | 4.091,90 | 4.199,80 | 4.429,60 | 4.545,00 | 4.890,00 | | | | | | | | |
| MTRU 350 (sist 9) | 4.456,80 | 4.518,70 | 4.548,10 | 4.662,60 | 4.770,60 | 5.000,30 | 5.115,70 | 5.460,70 | | | | | | | | |
| MTRU 400 (sist 9) | | 4.990,80 | 5.020,20 | 5.134,60 | 5.242,70 | 5.472,40 | 5.587,80 | 5.932,70 | 6.639,70 | 6.846,00 | | | | | | |
| MTRU 450 (sist 9) | | | | 5.485,50 | 5.593,60 | 5.823,20 | 5.938,60 | 6.283,60 | 6.990,50 | 7.196,80 | | | | | | |
| MTRU 500 (sist 9) | | | | 6.340,30 | 6.448,40 | 6.678,10 | 6.793,40 | 7.138,40 | 7.845,40 | 8.051,70 | 8.806,80 | 9.367,40 | 9.965,20 | 13.034,80 | | |
| MTRU 560 (sist 9) | | | | 7.622,50 | 7.730,50 | 7.960,20 | 8.075,60 | 8.420,60 | 9.127,60 | 9.333,80 | 10.089,00 | 10.649,50 | 11.247,30 | 14.316,90 | 15.040,70 | |
| MTRU 630 (sist 9) | | | | | 8.758,30 | 8.988,00 | 9.103,30 | 9.448,30 | 10.155,30 | 10.361,60 | 11.116,70 | 11.677,30 | 12.275,10 | 15.344,70 | 16.068,60 | |
| MTRU 710 (sist 9) | | | | | | | 10.256,90 | 10.601,80 | 11.308,70 | 11.515,10 | 12.270,20 | 12.830,70 | 13.428,60 | 16.498,20 | 17.222,00 | |
| MTRU 800 (sist 9) | | | | | | | 11.442,80 | 11.787,70 | 12.494,60 | 12.700,90 | 13.456,00 | 14.016,60 | 14.614,50 | 17.684,00 | 18.407,90 | |
| MTRU 900 (sist 9) | | | | | | | | 13.643,10 | 14.350,00 | 14.556,20 | 15.311,50 | 15.871,90 | 16.469,90 | 19.539,40 | 20.263,20 | |
| MTRU 1000 (sist 9) | | | | | | | | | 16.842,80 | 17.049,00 | 17.804,20 | 18.364,70 | 18.962,50 | 22.032,10 | 22.756,00 | 24.737,80 |
| MTRU 1120 (sist 9) | | | | | | | | | | | | | | | | |
| MTRU 1250 (sist 9) | | | | | | | | | | | | | | | | |
| MTRU 1400 (sist 9) | | | | | | | | | | | | | | | | |
| MTRU 1600 (sist 9) | | | | | | | | | | | | | | | | |

Consult | Consultar

Eex-d

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|--------------------|-----------------------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 |
| MTRU 250 (sist 9) | 3.560,20 | 3.606,90 | 3.633,70 | 3.719,30 | 3.902,50 | 4.270,90 | | | | | | | | | | |
| MTRU 280 (sist 9) | 4.007,30 | 4.053,90 | 4.080,80 | 4.166,40 | 4.349,60 | 4.718,00 | 4.920,00 | | | | | | | | | |
| MTRU 310 (sist 9) | 4.111,00 | 4.157,70 | 4.184,50 | 4.270,10 | 4.453,30 | 4.821,80 | 5.023,70 | 5.475,40 | | | | | | | | |
| MTRU 350 (sist 9) | 4.681,80 | 4.728,40 | 4.755,30 | 4.840,90 | 5.024,10 | 5.392,60 | 5.594,40 | 6.046,10 | | | | | | | | |
| MTRU 400 (sist 9) | | 5.200,50 | 5.227,40 | 5.312,90 | 5.496,20 | 5.864,50 | 6.066,40 | 6.518,10 | 7.028,90 | 7.450,70 | | | | | | |
| MTRU 450 (sist 9) | | | | 5.663,70 | 5.846,90 | 6.215,40 | 6.417,30 | 6.869,00 | 7.379,70 | 7.801,40 | | | | | | |
| MTRU 500 (sist 9) | | | | 6.518,60 | 6.701,80 | 7.070,30 | 7.272,20 | 7.723,80 | 8.234,60 | 8.656,30 | 9.275,50 | 10.440,30 | 10.936,00 | 13.356,90 | | |
| MTRU 560 (sist 9) | | | | 7.800,70 | 7.984,00 | 8.352,30 | 8.554,30 | 9.005,90 | 9.516,70 | 9.938,50 | 10.557,60 | 11.722,40 | 12.218,20 | 14.639,00 | 15.261,80 | |
| MTRU 630 (sist 9) | | | | | 9.011,70 | 9.380,20 | 9.582,10 | 10.033,70 | 10.544,50 | 10.966,20 | 11.585,40 | 12.750,20 | 13.245,90 | 15.666,90 | 16.289,60 | |
| MTRU 710 (sist 9) | | | | | | | 10.735,50 | 11.187,20 | 11.698,00 | 12.119,70 | 12.738,90 | 13.903,60 | 14.399,40 | 16.820,30 | 17.443,10 | |
| MTRU 800 (sist 9) | | | | | | | 11.921,40 | 12.373,10 | 12.883,80 | 13.305,50 | 13.924,80 | 15.089,50 | 15.585,30 | 18.006,20 | 18.629,00 | |
| MTRU 900 (sist 9) | | | | | | | | 14.228,50 | 14.739,10 | 15.160,90 | 15.780,10 | 16.944,80 | 17.440,70 | 19.861,50 | 20.484,30 | |
| MTRU 1000 (sist 9) | | | | | | | | | 17.231,90 | 17.653,70 | 18.272,80 | 19.437,60 | 19.933,40 | 22.354,20 | 22.977,00 | 25.610,80 |
| MTRU 1120 (sist 9) | | | | | | | | | | | | | | | | |
| MTRU 1250 (sist 9) | | | | | | | | | | | | | | | | |
| MTRU 1400 (sist 9) | | | | | | | | | | | | | | | | |
| MTRU 1600 (sist 9) | | | | | | | | | | | | | | | | |

Consult | Consultar

MTGR - Centrifugal belt driven fan, for clean or slightly dusty air ATEX | Ventilador centrífugo a transmisión, para aire limpio o ligeramente polvoriento ATEX

Eex-nA

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|--------------------|-----------------------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 |
| MTGR 400 (sist 9) | 4.827,20 | 4.882,20 | 4.907,10 | 4.976,40 | 5.077,40 | 5.236,00 | 5.339,40 | 5.534,90 | 5.805,40 | 6.025,30 | | | | | | |
| MTGR 450 (sist 9) | | | 5.211,10 | 5.280,30 | 5.381,30 | 5.539,80 | 5.643,20 | 5.838,70 | 6.109,30 | 6.329,20 | | | | | | |
| MTGR 500 (sist 9) | | | | 6.135,10 | 6.236,10 | 6.394,60 | 6.498,00 | 6.693,60 | 6.964,10 | 7.184,00 | 7.915,00 | 8.056,90 | 8.384,70 | | | |
| MTGR 560 (sist 9) | | | | 7.239,40 | 7.340,40 | 7.498,90 | 7.602,40 | 7.797,80 | 8.068,40 | 8.288,30 | 9.019,30 | 9.161,20 | 9.489,10 | 10.212,70 | | |
| MTGR 630 (sist 9) | | | | 8.506,70 | 8.607,70 | 8.766,20 | 8.869,60 | 9.065,20 | 9.335,70 | 9.555,60 | 10.286,70 | 10.428,50 | 10.756,30 | 11.480,00 | | |
| MTGR 710 (sist 9) | | | | | 9.620,40 | 9.779,00 | 9.882,40 | 10.077,90 | 10.348,40 | 10.568,40 | 11.299,40 | 11.441,20 | 11.769,10 | 12.492,80 | | |
| MTGR 800 (sist 9) | | | | | | 10.922,90 | 11.026,30 | 11.221,80 | 11.492,30 | 11.712,30 | 12.443,20 | 12.585,10 | 12.913,00 | 13.636,60 | | |
| MTGR 900 (sist 9) | | | | | | | 12.684,00 | 12.879,40 | 13.150,10 | 13.369,90 | 14.100,90 | 14.242,80 | 14.570,70 | 15.294,30 | | |
| MTGR 1000 (sist 9) | | | | | | | | 15.063,40 | 15.333,90 | 15.553,90 | 16.284,80 | 16.426,70 | 16.754,60 | 17.478,30 | 17.756,40 | 18.664,30 |
| MTGR 1120 (sist 9) | | | | | | | | | | | | | | | | |
| MTGR 1250 (sist 9) | | | | | | | | | | | | | | | | |
| MTGR 1400 (sist 9) | | | | | | | | | | | | | | | | |
| MTGR 1600 (sist 9) | | | | | | | | | | | | | | | | |

Consult | Consultar

Eex-e

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|--------------------|-----------------------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 |
| MTGR 400 (sist 9) | 4.953,60 | 5.015,50 | 5.044,90 | 5.159,40 | 5.267,40 | 5.497,10 | 5.612,50 | 5.957,50 | 6.664,50 | 6.870,70 | | | | | | |
| MTGR 450 (sist 9) | | | 5.348,90 | 5.463,40 | 5.571,30 | 5.801,10 | 5.916,40 | 6.261,40 | 6.968,30 | 7.174,60 | | | | | | |
| MTGR 500 (sist 9) | | | | 6.318,10 | 6.426,10 | 6.655,80 | 6.771,20 | 7.116,10 | 7.823,20 | 8.029,40 | 8.784,60 | 9.345,00 | 9.942,90 | | | |
| MTGR 560 (sist 9) | | | | 7.422,40 | 7.530,50 | 7.760,10 | 7.875,50 | 8.220,50 | 8.927,40 | 9.133,70 | 9.888,90 | 10.449,40 | 11.047,30 | 14.116,80 | | |
| MTGR 630 (sist 9) | | | | 8.689,70 | 8.797,70 | 9.027,50 | 9.142,80 | 9.487,70 | 10.194,80 | 10.401,00 | 11.156,20 | 11.716,70 | 12.314,50 | 15.384,10 | | |
| MTGR 710 (sist 9) | | | | | 9.810,50 | 10.040,20 | 10.155,50 | 10.500,50 | 11.207,50 | 11.413,80 | 12.168,90 | 12.729,50 | 13.327,30 | 16.396,90 | | |
| MTGR 800 (sist 9) | | | | | | 11.184,10 | 11.299,40 | 11.644,40 | 12.351,40 | 12.557,70 | 13.312,80 | 13.873,30 | 14.471,20 | 17.540,80 | | |
| MTGR 900 (sist 9) | | | | | | | 12.957,20 | 13.302,10 | 14.009,00 | 14.215,30 | 14.970,60 | 15.531,00 | 16.128,90 | 19.198,40 | | |
| MTGR 1000 (sist 9) | | | | | | | | 15.486,00 | 16.193,00 | 16.399,30 | 17.154,40 | 17.715,00 | 18.312,80 | 21.382,40 | 22.106,30 | 24.088,10 |
| MTGR 1120 (sist 9) | | | | | | | | | | | | | | | | |
| MTGR 1250 (sist 9) | | | | | | | | | | | | | | | | |
| MTGR 1400 (sist 9) | | | | | | | | | | | | | | | | |
| MTGR 1600 (sist 9) | | | | | | | | | | | | | | | | |

Consult | Consultar

Eex-d

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|--------------------|-----------------------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 |
| MTGR 400 (sist 9) | 5.178,50 | 5.225,20 | 5.252,10 | 5.337,60 | 5.520,90 | 5.889,30 | 6.091,20 | 6.542,90 | 7.053,60 | 7.475,40 | | | | | | |
| MTGR 450 (sist 9) | | | 5.556,00 | 5.641,60 | 5.824,80 | 6.193,20 | 6.395,20 | 6.846,80 | 7.357,50 | 7.779,30 | | | | | | |
| MTGR 500 (sist 9) | | | | 6.496,30 | 6.679,60 | 7.047,90 | 7.249,90 | 7.701,50 | 8.212,30 | 8.634,10 | 9.253,20 | 10.418,00 | 10.913,80 | | | |
| MTGR 560 (sist 9) | | | | 7.600,60 | 7.783,90 | 8.152,30 | 8.354,20 | 8.805,90 | 9.316,60 | 9.738,30 | 10.357,60 | 11.522,20 | 12.018,10 | 14.439,00 | | |
| MTGR 630 (sist 9) | | | | 8.868,00 | 9.051,20 | 9.419,60 | 9.621,60 | 10.073,20 | 10.583,90 | 11.005,70 | 11.624,80 | 12.789,60 | 13.285,40 | 15.706,30 | | |
| MTGR 710 (sist 9) | | | | | 10.063,90 | 10.432,40 | 10.634,30 | 11.086,00 | 11.596,70 | 12.018,40 | 12.637,60 | 13.802,30 | 14.298,10 | 16.719,10 | | |
| MTGR 800 (sist 9) | | | | | | 11.576,30 | 11.778,20 | 12.229,80 | 12.740,50 | 13.162,30 | 13.781,40 | 14.946,20 | 15.442,00 | 17.863,00 | | |
| MTGR 900 (sist 9) | | | | | | | 13.435,90 | 13.887,50 | 14.398,20 | 14.820,00 | 15.439,20 | 16.603,90 | 17.099,80 | 19.520,60 | | |
| MTGR 1000 (sist 9) | | | | | | | | 16.071,50 | 16.582,10 | 17.003,90 | 17.623,00 | 18.787,80 | 19.283,60 | 21.704,60 | 22.327,20 | 24.961,00 |
| MTGR 1120 (sist 9) | | | | | | | | | | | | | | | | |
| MTGR 1250 (sist 9) | | | | | | | | | | | | | | | | |
| MTGR 1400 (sist 9) | | | | | | | | | | | | | | | | |
| MTGR 1600 (sist 9) | | | | | | | | | | | | | | | | |

Consult | Consultar

MTZM P/R ATEX - Centrifugal belt driven fan for solid material transport ATEX | Ventilador centrífugo a transmisión para transporte de material sólido ATEX

Eex-nA

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|------------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 |
| MTZM 250 P/R (sist 9) | 3.176,70 | 3.231,70 | 3.256,60 | | | | | | | | | | | | | |
| MTZM 280 P/R (sist 9) | 3.544,80 | 3.599,70 | 3.624,80 | 3.693,90 | 3.794,90 | | | | | | | | | | | |
| MTZM 310 P/R (sist 9) | 3.717,70 | 3.772,70 | 3.797,60 | 3.866,80 | 3.967,90 | 4.126,30 | 4.229,80 | 4.425,20 | | | | | | | | |
| MTZM 350 P/R (sist 9) | | 4.328,60 | 4.353,60 | 4.422,80 | 4.523,80 | 4.682,30 | 4.785,70 | 4.981,20 | | | | | | | | |
| MTZM 400 P/R (sist 9) | | | | 4.830,70 | 4.931,70 | 5.090,20 | 5.193,60 | 5.389,10 | 5.659,70 | 5.879,50 | | | | | | |
| MTZM 450 P/R (sist 9) | | | | 5.129,60 | 5.230,60 | 5.389,10 | 5.492,50 | 5.688,00 | 5.958,60 | 6.178,50 | | | | | | |
| MTZM 500 P/R (sist 9) | | | | 5.964,60 | 6.065,60 | 6.224,20 | 6.327,60 | 6.523,10 | 6.793,60 | 7.013,60 | 7.744,50 | 7.886,40 | 8.214,30 | 8.937,80 | | |
| MTZM 560 P/R (sist 9) | | | | | 7.295,90 | 7.454,50 | 7.557,90 | 7.753,40 | 8.023,90 | 8.243,90 | 8.974,80 | 9.116,70 | 9.444,60 | 10.168,30 | 10.446,40 | |
| MTZM 630 P/R (sist 9) | | | | | | | 8.447,30 | 8.642,80 | 8.913,30 | 9.133,30 | 9.864,30 | 10.006,10 | 10.334,10 | 11.057,60 | 11.335,70 | |
| MTZM 710 P/R (sist 9) | | | | | | | | 9.603,70 | 9.874,20 | 10.094,00 | 10.825,10 | 10.967,00 | 11.294,90 | 12.018,40 | 12.296,50 | |
| MTZM 800 P/R (sist 9) | | | | | | | | | | 11.003,20 | 11.734,20 | 11.876,10 | 12.204,00 | 12.927,60 | 13.205,70 | |
| MTZM 900 P/R (sist 9) | | | | | | | | | | | | | 13.718,40 | 14.442,00 | 14.720,10 | |
| MTZM 1000 P/R (sist 9) | | | | | | | | | | | | | | | 17.025,10 | 17.933,00 |

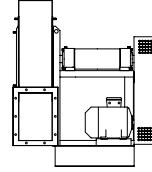
Eex-e

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|------------------------|-----------------------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 |
| MTZM 250 P/R (sist 9) | 3.303,00 | 3.364,90 | 3.394,40 | | | | | | | | | | | | | |
| MTZM 280 P/R (sist 9) | 3.671,10 | 3.733,00 | 3.762,40 | 3.876,90 | 3.985,00 | | | | | | | | | | | |
| MTZM 310 P/R (sist 9) | 3.844,00 | 3.905,90 | 3.935,40 | 4.049,90 | 4.157,90 | 4.387,60 | 4.503,00 | 4.847,90 | | | | | | | | |
| MTZM 350 P/R (sist 9) | | 4.461,90 | 4.491,30 | 4.605,80 | 4.713,80 | 4.943,50 | 5.058,90 | 5.403,80 | | | | | | | | |
| MTZM 400 P/R (sist 9) | | | | 5.013,60 | 5.121,70 | 5.351,40 | 5.466,80 | 5.811,70 | 6.518,70 | 6.725,00 | | | | | | |
| MTZM 450 P/R (sist 9) | | | | 5.312,60 | 5.420,60 | 5.650,30 | 5.765,70 | 6.110,60 | 6.817,60 | 7.023,90 | | | | | | |
| MTZM 500 P/R (sist 9) | | | | 6.147,60 | 6.255,60 | 6.485,30 | 6.600,70 | 6.945,70 | 7.652,70 | 7.859,00 | 8.614,10 | 9.174,70 | 9.772,50 | 12.842,10 | | |
| MTZM 560 P/R (sist 9) | | | | | 7.485,90 | 7.715,70 | 7.831,00 | 8.176,00 | 8.883,00 | 9.089,30 | 9.844,40 | 10.405,00 | 11.002,80 | 14.072,40 | 14.796,30 | |
| MTZM 630 P/R (sist 9) | | | | | | | 8.720,50 | 9.065,50 | 9.772,40 | 9.978,60 | 10.733,80 | 11.294,30 | 11.892,30 | 14.961,80 | 15.685,60 | |
| MTZM 710 P/R (sist 9) | | | | | | | | 10.026,30 | 10.733,30 | 10.939,50 | 11.694,70 | 12.255,10 | 12.853,00 | 15.922,60 | 16.646,40 | |
| MTZM 800 P/R (sist 9) | | | | | | | | | | 11.848,60 | 12.603,80 | 13.164,30 | 13.762,20 | 16.831,70 | 17.555,60 | |
| MTZM 900 P/R (sist 9) | | | | | | | | | | | | | 15.276,60 | 18.346,20 | 19.070,00 | |
| MTZM 1000 P/R (sist 9) | | | | | | | | | | | | | | | 21.375,00 | 23.356,90 |

Eex-d

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|------------------------|-----------------------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 |
| MTZM 250 P/R (sist 9) | 3.528,00 | 3.574,70 | 3.601,50 | | | | | | | | | | | | | |
| MTZM 280 P/R (sist 9) | 3.896,10 | 3.942,70 | 3.969,60 | 4.055,10 | 4.238,40 | | | | | | | | | | | |
| MTZM 310 P/R (sist 9) | 4.069,00 | 4.115,70 | 4.142,50 | 4.228,10 | 4.411,30 | 4.779,70 | 4.981,70 | 5.433,30 | | | | | | | | |
| MTZM 350 P/R (sist 9) | | 4.671,60 | 4.698,50 | 4.784,10 | 4.967,30 | 5.335,70 | 5.537,60 | 5.989,20 | | | | | | | | |
| MTZM 400 P/R (sist 9) | | | | 5.191,90 | 5.375,20 | 5.743,50 | 5.945,50 | 6.397,10 | 6.907,90 | 7.329,70 | | | | | | |
| MTZM 450 P/R (sist 9) | | | | 5.490,80 | 5.674,10 | 6.042,40 | 6.244,40 | 6.696,00 | 7.206,80 | 7.628,60 | | | | | | |
| MTZM 500 P/R (sist 9) | | | | 6.325,80 | 6.509,10 | 6.877,50 | 7.079,40 | 7.531,10 | 8.041,80 | 8.463,60 | 9.082,70 | 10.247,50 | 10.743,30 | 13.164,20 | | |
| MTZM 560 P/R (sist 9) | | | | | 7.739,40 | 8.107,90 | 8.309,80 | 8.761,40 | 9.272,20 | 9.693,90 | 10.313,10 | 11.477,80 | 11.973,60 | 14.394,50 | 15.017,20 | |
| MTZM 630 P/R (sist 9) | | | | | | | 9.199,20 | 9.650,90 | 10.161,50 | 10.583,30 | 11.202,50 | 12.367,20 | 12.863,10 | 15.283,90 | 15.906,60 | |
| MTZM 710 P/R (sist 9) | | | | | | | | 10.611,60 | 11.122,40 | 11.544,20 | 12.163,30 | 13.328,10 | 13.823,90 | 16.244,70 | 16.867,50 | |
| MTZM 800 P/R (sist 9) | | | | | | | | | | | 12.453,20 | 13.072,50 | 14.237,10 | 14.733,00 | 17.153,90 | 17.776,60 |
| MTZM 900 P/R (sist 9) | | | | | | | | | | | | | 16.247,40 | 18.668,30 | 19.291,10 | |
| MTZM 1000 P/R (sist 9) | | | | | | | | | | | | | | | 21.596,10 | 24.229,80 |

FAN CONFIGURATION 12 (WITH BASEMENT) | VENTILADOR SISTEMA 12 (CON BANCADA)



MTCA ATEX - Centrifugal belt driven fan to move clean air ATEX | Ventilador centrífugo a transmisión para mover aire limpio ATEX

Eex-nA

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|--------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 |
| MTCA 250 (sist 12) | 3.856,10 | 3.911,10 | 3.936,00 | 4.005,10 | 4.106,30 | 4.264,70 | 4.368,20 | | | | | | | | | |
| MTCA 280 (sist 12) | 4.155,30 | 4.210,30 | 4.235,20 | 4.304,50 | 4.405,50 | 4.563,90 | 4.667,40 | | | | | | | | | |
| MTCA 310 (sist 12) | 4.456,70 | 4.511,70 | 4.536,60 | 4.605,80 | 4.706,90 | 4.865,30 | 4.968,80 | 5.164,20 | | | | | | | | |
| MTCA 350 (sist 12) | 4.938,50 | 4.993,40 | 5.018,40 | 5.087,50 | 5.188,60 | 5.347,10 | 5.450,50 | 5.646,00 | | | | | | | | |
| MTCA 400 (sist 12) | | | | 5.559,40 | 5.660,40 | 5.819,00 | 5.922,40 | 6.117,90 | 6.388,40 | 6.608,40 | 7.339,30 | 7.481,20 | 7.809,10 | | | |
| MTCA 450 (sist 12) | | | | | 5.979,20 | 6.137,70 | 6.241,20 | 6.436,60 | 6.707,10 | 6.927,00 | 7.658,10 | 7.800,00 | 8.127,90 | | | |
| MTCA 500 (sist 12) | | | | | | 7.143,20 | 7.246,70 | 7.442,10 | 7.712,60 | 7.932,60 | 8.663,60 | 8.805,50 | 9.133,40 | 9.856,90 | 10.135,00 | |
| MTCA 560 (sist 12) | | | | | | | | 9.082,30 | 9.352,90 | 9.572,80 | 10.303,70 | 10.445,60 | 10.773,50 | 11.497,20 | 11.775,30 | 12.683,20 |
| MTCA 630 (sist 12) | | | | | | | | | 9.664,20 | 9.884,00 | 10.615,10 | 10.757,00 | 11.084,90 | 11.808,40 | 12.086,50 | 12.994,40 |

Eex-e

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|--------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 |
| MTCA 250 (sist 12) | 3.982,40 | 4.044,30 | 4.073,80 | 4.188,20 | 4.296,30 | 4.526,00 | 4.641,40 | | | | | | | | | |
| MTCA 280 (sist 12) | 4.281,70 | 4.343,60 | 4.373,00 | 4.487,40 | 4.595,50 | 4.825,20 | 4.940,60 | | | | | | | | | |
| MTCA 310 (sist 12) | 4.583,00 | 4.644,90 | 4.674,40 | 4.788,80 | 4.896,90 | 5.126,60 | 5.242,00 | 5.586,90 | | | | | | | | |
| MTCA 350 (sist 12) | 5.064,80 | 5.126,70 | 5.156,10 | 5.270,50 | 5.378,60 | 5.608,40 | 5.723,70 | 6.068,60 | | | | | | | | |
| MTCA 400 (sist 12) | | | | 5.742,40 | 5.850,40 | 6.080,10 | 6.195,50 | 6.540,50 | 7.247,50 | 7.453,80 | 8.208,90 | 8.769,30 | 9.367,30 | | | |
| MTCA 450 (sist 12) | | | | | 6.169,20 | 6.398,90 | 6.514,30 | 6.859,30 | 7.566,20 | 7.772,40 | 8.527,70 | 9.088,10 | 9.686,00 | | | |
| MTCA 500 (sist 12) | | | | | | 7.404,40 | 7.519,80 | 7.864,80 | 8.571,70 | 8.777,90 | 9.533,10 | 10.093,60 | 10.691,60 | 13.761,00 | 14.484,90 | |
| MTCA 560 (sist 12) | | | | | | | | 9.504,90 | 10.211,90 | 10.418,20 | 11.173,30 | 11.733,90 | 12.331,70 | 15.401,30 | 16.125,20 | 18.107,00 |
| MTCA 630 (sist 12) | | | | | | | | | 10.523,20 | 10.729,40 | 11.484,70 | 12.045,10 | 12.643,00 | 15.712,60 | 16.436,40 | 18.418,30 |

Eex-d

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|--------------------|-----------------------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 |
| MTCA 250 (sist 12) | 4.207,40 | 4.254,10 | 4.280,90 | 4.366,50 | 4.549,70 | 4.918,10 | 5.120,00 | | | | | | | | | |
| MTCA 280 (sist 12) | 4.506,60 | 4.553,30 | 4.580,20 | 4.665,70 | 4.849,00 | 5.217,30 | 5.419,30 | | | | | | | | | |
| MTCA 310 (sist 12) | 4.808,00 | 4.854,70 | 4.881,50 | 4.967,10 | 5.150,30 | 5.518,70 | 5.720,70 | 6.172,30 | | | | | | | | |
| MTCA 350 (sist 12) | 5.289,80 | 5.336,40 | 5.363,30 | 5.448,90 | 5.632,10 | 6.000,50 | 6.202,40 | 6.654,00 | | | | | | | | |
| MTCA 400 (sist 12) | | | | 5.920,60 | 6.103,90 | 6.472,30 | 6.674,20 | 7.125,90 | 7.636,60 | 8.058,40 | 8.677,50 | 9.842,30 | 10.338,10 | | | |
| MTCA 450 (sist 12) | | | | | 6.422,60 | 6.791,00 | 6.993,00 | 7.444,70 | 7.955,30 | 8.377,10 | 8.996,30 | 10.161,00 | 10.656,90 | | | |
| MTCA 500 (sist 12) | | | | | | 7.796,60 | 7.998,50 | 8.450,20 | 8.960,80 | 9.382,60 | 10.001,80 | 11.166,50 | 11.662,40 | 14.083,20 | 14.706,00 | |
| MTCA 560 (sist 12) | | | | | | | | 10.090,30 | 10.601,10 | 11.022,90 | 11.642,00 | 12.806,80 | 13.302,50 | 15.723,40 | 16.346,20 | 18.979,90 |
| MTCA 630 (sist 12) | | | | | | | | | 10.912,30 | 11.334,20 | 11.953,30 | 13.118,00 | 13.613,90 | 16.034,70 | 16.657,50 | 19.291,20 |

MTRL ATEX - Centrifugal belt driven fan, for clean or slightly dusty air ATEX | Ventilador centrífugo a transmisión, para aire limpio o ligeramente polvoriento ATEX

Eex-nA

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|--------------------|-----------------------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | |
| MTRL 250 (sist 12) | 3.725,20 | 3.780,10 | 3.805,10 | 3.874,30 | 3.975,30 | 4.133,80 | 4.237,30 | | | | | | | | | |
| MTRL 280 (sist 12) | 4.056,50 | 4.111,40 | 4.136,50 | 4.205,60 | 4.306,60 | 4.465,20 | 4.568,60 | | | | | | | | | |
| MTRL 310 (sist 12) | 4.427,10 | 4.482,10 | 4.507,00 | 4.576,10 | 4.677,20 | 4.835,70 | 4.939,10 | 5.134,60 | | | | | | | | |
| MTRL 350 (sist 12) | 5.133,70 | 5.188,60 | 5.213,60 | 5.282,70 | 5.383,80 | 5.542,30 | 5.645,70 | 5.841,20 | | | | | | | | |
| MTRL 400 (sist 12) | 5.706,80 | 5.761,70 | 5.786,70 | 5.855,80 | 5.956,80 | 6.115,40 | 6.218,80 | 6.414,30 | 6.684,90 | 6.904,80 | 7.635,80 | 7.777,60 | | | | |
| MTRL 450 (sist 12) | 5.983,50 | 6.038,50 | 6.063,40 | 6.132,60 | 6.233,60 | 6.392,20 | 6.495,60 | 6.691,10 | 6.961,60 | 7.181,60 | 7.912,50 | 8.054,40 | 8.382,30 | | | |
| MTRL 500 (sist 12) | 7.369,30 | 7.424,30 | 7.449,20 | 7.518,30 | 7.619,40 | 7.777,90 | 7.881,30 | 8.076,80 | 8.347,40 | 8.567,30 | 9.298,20 | 9.440,10 | 9.768,00 | | | |
| MTRL 560 (sist 12) | 8.488,40 | 8.543,30 | 8.568,40 | 8.637,50 | 8.738,50 | 8.897,10 | 9.000,50 | 9.196,00 | 9.466,50 | 9.686,50 | 10.417,40 | 10.559,30 | 10.887,20 | 11.610,80 | 11.888,90 | |
| MTRL 630 (sist 12) | | | 9.442,90 | 9.512,10 | 9.613,10 | 9.771,60 | 9.875,00 | 10.070,60 | 10.341,10 | 10.561,00 | 11.292,00 | 11.433,90 | 11.761,70 | 12.485,40 | 12.763,50 | |

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|---------------------|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--|--|
| | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | | |
| MTRL 710 (sist 12) | 11.071,20 | 11.174,60 | 11.370,10 | 11.640,60 | 11.860,60 | 12.591,50 | 12.733,40 | 13.061,30 | 13.784,90 | 14.063,00 | 14.970,90 | 15.765,60 | | | | |
| MTRL 800 (sist 12) | | 12.493,80 | 12.689,30 | 12.959,90 | 13.179,80 | 13.910,70 | 14.052,60 | 14.380,50 | 15.104,20 | 15.382,30 | 16.290,20 | 17.084,80 | 17.565,50 | | | |
| MTRL 900 (sist 12) | | | | 14.592,90 | 14.812,70 | 15.543,70 | 15.685,60 | 16.013,50 | 16.737,10 | 17.015,20 | 17.923,10 | 18.717,90 | 19.198,50 | 20.611,90 | | |
| MTRL 1000 (sist 12) | | | | | | | 18.222,80 | 18.550,70 | 19.274,30 | 19.552,40 | 20.460,30 | 21.255,10 | 21.735,70 | 23.149,10 | | |

Eex-e

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | |
|--------------------|-----------------------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 |
| MTRL 250 (sist 12) | 3.851,50 | 3.913,30 | 3.942,80 | 4.057,30 | 4.165,40 | 4.395,00 | 4.510,40 | | | | | | | | |
| MTRL 280 (sist 12) | 4.182,80 | 4.244,70 | 4.274,10 | 4.388,60 | 4.496,70 | 4.726,30 | 4.841,70 | | | | | | | | |
| MTRL 310 (sist 12) | 4.553,40 | 4.615,30 | 4.644,80 | 4.759,10 | 4.867,20 | 5.097,00 | 5.212,30 | 5.557,20 | | | | | | | |
| MTRL 350 (sist 12) | 5.260,00 | 5.321,90 | 5.351,30 | 5.465,70 | 5.573,80 | 5.803,50 | 5.918,90 | 6.263,80 | | | | | | | |
| MTRL 400 (sist 12) | 5.833,10 | 5.894,90 | 5.924,40 | 6.038,80 | 6.146,90 | 6.376,60 | 6.491,90 | 6.837,00 | 7.543,90 | 7.750,20 | 8.505,30 | 9.065,90 | | | |
| MTRL 450 (sist 12) | 6.109,80 | 6.171,70 | 6.201,20 | 6.315,60 | 6.423,60 | 6.653,40 | 6.768,70 | 7.113,70 | 7.820,70 | 8.026,90 | 8.782,10 | 9.342,60 | 9.940,50 | | |
| MTRL 500 (sist 12) | 7.495,60 | 7.557,50 | 7.586,90 | 7.701,30 | 7.809,40 | 8.039,20 | 8.154,50 | 8.499,40 | 9.206,40 | 9.412,70 | 10.167,80 | 10.728,40 | 11.326,20 | | |
| MTRL 560 (sist 12) | 8.614,70 | 8.676,60 | 8.706,00 | 8.820,50 | 8.928,50 | 9.158,30 | 9.273,60 | 9.618,60 | 10.325,60 | 10.531,80 | 11.287,00 | 11.847,50 | 12.445,40 | 15.515,00 | 16.238,80 |
| MTRL 630 (sist 12) | | | 9.580,70 | 9.695,10 | 9.803,10 | 10.032,90 | 10.148,20 | 10.493,10 | 11.200,10 | 11.406,40 | 12.161,60 | 12.722,10 | 13.319,90 | 16.389,50 | 17.113,40 |

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | |
|---------------------|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 |
| MTRL 710 (sist 12) | 11.332,30 | 11.447,70 | 11.792,70 | 12.499,70 | 12.706,00 | 13.461,10 | 14.021,70 | 14.619,50 | 17.689,10 | 18.412,90 | 20.394,80 | 22.507,60 | | |
| MTRL 800 (sist 12) | | 12.766,90 | 13.111,90 | 13.818,90 | 14.025,20 | 14.780,30 | 15.340,90 | 15.938,70 | 19.008,30 | 19.732,20 | 21.714,00 | 23.826,80 | 25.425,40 | |
| MTRL 900 (sist 12) | | | | 15.451,80 | 15.658,10 | 16.413,30 | 16.973,80 | 17.571,70 | 20.641,30 | 21.365,10 | 23.347,00 | 25.459,90 | 27.058,40 | 30.217,00 |
| MTRL 1000 (sist 12) | | | | | | | 19.511,00 | 20.108,90 | 23.178,50 | 23.902,30 | 25.884,20 | 27.997,10 | 29.595,60 | 32.754,20 |

Eex-d

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | |
|--------------------|-----------------------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 |
| MTRL 250 (sist 12) | 4.076,50 | 4.123,10 | 4.149,90 | 4.235,50 | 4.418,80 | 4.787,20 | 4.989,10 | | | | | | | | |
| MTRL 280 (sist 12) | 4.407,80 | 4.454,40 | 4.481,30 | 4.566,80 | 4.750,10 | 5.118,50 | 5.320,40 | | | | | | | | |
| MTRL 310 (sist 12) | 4.778,40 | 4.825,00 | 4.851,90 | 4.937,50 | 5.120,70 | 5.489,10 | 5.691,10 | 6.142,60 | | | | | | | |
| MTRL 350 (sist 12) | 5.485,00 | 5.531,60 | 5.558,50 | 5.644,10 | 5.827,30 | 6.195,70 | 6.397,50 | 6.849,20 | | | | | | | |
| MTRL 400 (sist 12) | 6.058,10 | 6.104,70 | 6.131,50 | 6.217,10 | 6.400,30 | 6.768,80 | 6.970,70 | 7.422,40 | 7.933,10 | 8.354,80 | 8.974,00 | 10.138,80 | | | |
| MTRL 450 (sist 12) | 6.334,80 | 6.381,40 | 6.408,30 | 6.493,90 | 6.677,10 | 7.045,60 | 7.247,50 | 7.699,10 | 8.209,80 | 8.631,60 | 9.250,70 | 10.415,50 | 10.911,30 | | |
| MTRL 500 (sist 12) | 7.720,60 | 7.767,20 | 7.794,10 | 7.879,70 | 8.062,90 | 8.431,30 | 8.633,20 | 9.084,80 | 9.595,60 | 10.017,40 | 10.636,50 | 11.801,30 | 12.297,00 | | |
| MTRL 560 (sist 12) | 8.839,70 | 8.886,30 | 8.913,20 | 8.998,80 | 9.182,00 | 9.550,50 | 9.752,40 | 10.204,00 | 10.714,70 | 11.136,50 | 11.755,60 | 12.920,40 | 13.416,20 | 15.837,10 | 16.459,80 |
| MTRL 630 (sist 12) | | | 9.787,80 | 9.873,40 | 10.056,60 | 10.425,00 | 10.627,00 | 11.078,50 | 11.589,30 | 12.011,10 | 12.630,20 | 13.795,00 | 14.290,80 | 16.711,70 | 17.334,40 |

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | |
|---------------------|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 |
| MTRL 710 (sist 12) | 11.724,50 | 11.926,40 | 12.378,10 | 12.888,90 | 13.310,60 | 13.929,80 | 15.094,50 | 15.590,30 | 18.011,20 | 18.633,90 | 21.267,60 | 23.576,90 | | |
| MTRL 800 (sist 12) | | 13.245,70 | 13.697,30 | 14.208,10 | 14.629,80 | 15.249,00 | 16.413,80 | 16.909,50 | 19.330,40 | 19.953,10 | 22.586,90 | 24.896,10 | 26.663,80 | |
| MTRL 900 (sist 12) | | | | 15.841,00 | 16.262,90 | 16.882,00 | 18.046,70 | 18.542,50 | 20.963,40 | 21.586,20 | 24.219,80 | 26.529,00 | 28.296,70 | 31.763,50 |
| MTRL 1000 (sist 12) | | | | | | | 20.583,90 | 21.079,70 | 23.500,60 | 24.123,40 | 26.757,00 | 29.066,20 | 30.833,90 | 34.300,70 |

MTRM ATEX - Centrifugal belt driven fan, for clean or dusty air ATEX | Ventilador centrífugo a transmisión, para aire limpio o polvoriento ATEX

Eex-nA

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|--------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 |
| MTRM 220 (sist 12) | 3.295,30 | 3.350,30 | 3.375,20 | 3.444,50 | | | | | | | | | | | | |
| MTRM 250 (sist 12) | 3.535,00 | 3.590,00 | 3.614,90 | 3.684,10 | 3.785,10 | | | | | | | | | | | |
| MTRM 280 (sist 12) | 3.844,10 | 3.899,10 | 3.924,00 | 3.993,10 | 4.094,10 | 4.252,70 | | | | | | | | | | |
| MTRM 310 (sist 12) | 4.091,00 | 4.146,00 | 4.170,90 | 4.240,10 | 4.341,20 | 4.499,70 | 4.603,20 | 4.798,60 | | | | | | | | |
| MTRM 350 (sist 12) | 4.701,30 | 4.756,20 | 4.781,20 | 4.850,30 | 4.951,40 | 5.109,90 | 5.213,30 | 5.408,80 | | | | | | | | |
| MTRM 400 (sist 12) | | 5.319,50 | 5.344,50 | 5.413,70 | 5.514,70 | 5.673,20 | 5.776,60 | 5.972,20 | 6.242,70 | | | | | | | |
| MTRM 450 (sist 12) | | | | 4.993,70 | 5.094,70 | 5.253,10 | 5.356,60 | 5.552,10 | 5.822,70 | 6.042,50 | 6.773,60 | | | | | |
| MTRM 500 (sist 12) | | | | 6.500,70 | 6.601,70 | 6.760,30 | 6.863,70 | 7.059,20 | 7.329,80 | 7.549,60 | 8.280,60 | 8.422,50 | 8.750,40 | 9.474,00 | 9.752,10 | |
| MTRM 560 (sist 12) | | | | 8.427,50 | 8.528,50 | 8.687,10 | 8.790,50 | 8.986,00 | 9.256,50 | 9.476,50 | 10.207,40 | 10.349,30 | 10.677,20 | 11.400,70 | 11.678,90 | 12.586,80 |
| MTRM 630 (sist 12) | | | | | 9.484,60 | 9.643,20 | 9.746,60 | 9.942,10 | 10.212,70 | 10.432,60 | 11.163,50 | 11.305,40 | 11.633,30 | 12.357,00 | 12.635,10 | 13.543,00 |

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | |
|---------------------|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--|
| | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | |
| MTRM 710 (sist 12) | 10.749,60 | 10.945,10 | 11.215,70 | 11.435,60 | 12.166,60 | 12.308,40 | 12.636,30 | 13.360,00 | 13.638,10 | 14.546,00 | 15.340,80 | | | |
| MTRM 800 (sist 12) | 11.634,00 | 11.829,50 | 12.100,10 | 12.320,00 | 13.050,90 | 13.192,80 | 13.520,70 | 14.244,40 | 14.522,50 | 15.430,40 | 16.225,10 | | | |
| MTRM 900 (sist 12) | | 13.825,70 | 14.096,30 | 14.316,20 | 15.047,10 | 15.189,00 | 15.516,90 | 16.240,50 | 16.518,60 | 17.426,60 | 18.221,30 | 18.701,90 | | |
| MTRM 1000 (sist 12) | | | | 16.606,40 | 17.337,40 | 17.479,20 | 17.807,20 | 18.530,70 | 18.808,80 | 19.716,80 | 20.511,50 | 20.992,10 | 22.405,50 | |

MTRM ATEX - Centrifugal belt driven fan, for clean or dusty air ATEX | Ventilador centrífugo a transmisión, para aire limpio o polvoriento ATEX
Eex-e

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|--------------------|-----------------------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 |
| MTRM 220 (sist 12) | 3.421,70 | 3.483,60 | 3.513,00 | 3.627,50 | | | | | | | | | | | | |
| MTRM 250 (sist 12) | 3.661,30 | 3.723,20 | 3.752,60 | 3.867,10 | 3.975,10 | | | | | | | | | | | |
| MTRM 280 (sist 12) | 3.970,40 | 4.032,30 | 4.061,70 | 4.176,10 | 4.284,20 | 4.513,90 | | | | | | | | | | |
| MTRM 310 (sist 12) | 4.217,30 | 4.279,20 | 4.308,70 | 4.423,20 | 4.531,20 | 4.760,90 | 4.876,30 | 5.221,30 | | | | | | | | |
| MTRM 350 (sist 12) | 4.827,60 | 4.889,40 | 4.918,90 | 5.033,40 | 5.141,40 | 5.371,10 | 5.486,40 | 5.831,50 | | | | | | | | |
| MTRM 400 (sist 12) | | 5.452,80 | 5.482,20 | 5.596,70 | 5.704,70 | 5.934,40 | 6.049,80 | 6.394,70 | 7.101,80 | | | | | | | |
| MTRM 450 (sist 12) | | | | 5.176,70 | 5.284,70 | 5.514,40 | 5.629,80 | 5.974,70 | 6.681,60 | 6.887,90 | 7.643,20 | | | | | |
| MTRM 500 (sist 12) | | | | 6.683,70 | 6.791,80 | 7.021,40 | 7.136,80 | 7.481,80 | 8.188,70 | 8.395,10 | 9.150,20 | 9.710,70 | 10.308,60 | 13.378,20 | 14.102,00 | |
| MTRM 560 (sist 12) | | | | 8.610,50 | 8.718,50 | 8.948,20 | 9.063,60 | 9.408,60 | 10.115,60 | 10.321,80 | 11.077,00 | 11.637,50 | 12.235,40 | 15.305,00 | 16.028,80 | 18.010,70 |
| MTRM 630 (sist 12) | | | | | 9.674,70 | 9.904,30 | 10.019,70 | 10.364,70 | 11.071,70 | 11.278,00 | 12.033,10 | 12.593,70 | 13.191,50 | 16.261,10 | 16.985,00 | 18.966,80 |

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | |
|---------------------|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--|
| | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | |
| MTRM 710 (sist 12) | 11.022,80 | 11.367,80 | 12.074,70 | 12.281,00 | 13.036,10 | 13.596,70 | 14.194,50 | 17.264,10 | 17.988,00 | 19.969,90 | 22.082,80 | | | |
| MTRM 800 (sist 12) | 11.907,20 | 12.252,10 | 12.959,10 | 13.165,40 | 13.920,50 | 14.481,10 | 15.078,90 | 18.148,50 | 18.872,40 | 20.854,20 | 22.967,10 | | | |
| MTRM 900 (sist 12) | | 14.248,30 | 14.955,30 | 15.161,60 | 15.916,70 | 16.477,30 | 17.075,10 | 20.144,70 | 20.868,50 | 22.850,40 | 24.963,30 | 26.561,80 | | |
| MTRM 1000 (sist 12) | | | | 17.451,80 | 18.206,90 | 18.767,40 | 19.365,40 | 22.434,90 | 23.158,70 | 25.140,70 | 27.253,50 | 28.852,10 | 32.010,70 | |

Eex-d

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|--------------------|-----------------------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 |
| MTRM 220 (sist 12) | 3.646,60 | 3.693,30 | 3.720,20 | 3.805,70 | | | | | | | | | | | | |
| MTRM 250 (sist 12) | 3.886,30 | 3.932,90 | 3.959,80 | 4.045,40 | 4.228,60 | | | | | | | | | | | |
| MTRM 280 (sist 12) | 4.195,40 | 4.241,90 | 4.268,90 | 4.354,50 | 4.537,60 | 4.906,10 | | | | | | | | | | |
| MTRM 310 (sist 12) | 4.442,30 | 4.489,00 | 4.515,80 | 4.601,40 | 4.784,60 | 5.153,10 | 5.355,00 | 5.806,70 | | | | | | | | |
| MTRM 350 (sist 12) | 5.052,60 | 5.099,20 | 5.126,00 | 5.211,60 | 5.394,80 | 5.763,30 | 5.965,20 | 6.416,90 | | | | | | | | |
| MTRM 400 (sist 12) | | 5.662,50 | 5.689,40 | 5.774,90 | 5.958,20 | 6.326,50 | 6.528,50 | 6.980,10 | 7.490,90 | | | | | | | |
| MTRM 450 (sist 12) | | | | 5.354,90 | 5.538,20 | 5.906,50 | 6.108,50 | 6.560,10 | 7.070,80 | 7.492,60 | 8.111,80 | | | | | |
| MTRM 500 (sist 12) | | | | 6.861,90 | 7.045,20 | 7.413,60 | 7.615,50 | 8.067,20 | 8.577,90 | 8.999,70 | 9.618,90 | 10.783,60 | 11.279,40 | 13.700,30 | 14.323,10 | |
| MTRM 560 (sist 12) | | | | 8.788,70 | 8.972,00 | 9.340,50 | 9.542,30 | 9.994,00 | 10.504,70 | 10.926,50 | 11.545,60 | 12.710,40 | 13.206,20 | 15.627,10 | 16.249,80 | 18.883,50 |
| MTRM 630 (sist 12) | | | | | 9.928,10 | 10.296,60 | 10.498,40 | 10.950,10 | 11.460,90 | 11.882,60 | 12.501,80 | 13.666,60 | 14.162,30 | 16.583,20 | 17.205,90 | 19.839,70 |

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | |
|---------------------|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--|
| | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | |
| MTRM 710 (sist 12) | 11.501,50 | 11.953,20 | 12.463,90 | 12.885,60 | 13.504,80 | 14.669,60 | 15.165,30 | 17.586,30 | 18.209,00 | 20.842,70 | 23.151,90 | | | |
| MTRM 800 (sist 12) | 12.385,90 | 12.837,50 | 13.348,30 | 13.770,10 | 14.389,20 | 15.554,00 | 16.049,70 | 18.470,70 | 19.093,40 | 21.727,10 | 24.036,30 | | | |
| MTRM 900 (sist 12) | | 14.833,70 | 15.344,50 | 15.766,30 | 16.385,40 | 17.550,20 | 18.045,90 | 20.466,80 | 21.089,60 | 23.723,20 | 26.032,50 | 27.800,10 | | |
| MTRM 1000 (sist 12) | | | | 18.056,40 | 18.675,60 | 19.840,30 | 20.336,20 | 22.757,10 | 23.379,70 | 26.013,50 | 28.322,70 | 30.090,30 | 33.557,10 | |

MTRU ATEX - Centrifugal belt driven fan, for clean or dusty air ATEX | Ventilador centrífugo a transmisión, para aire limpio o polvoriento ATEX
Eex-nA

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | | |
|--------------------|-----------------------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 |
| MTRU 250 (sist 12) | 3.564,60 | 3.619,60 | 3.644,50 | 3.713,70 | 3.814,80 | 3.973,30 | | | | | | | | | | | |
| MTRU 280 (sist 12) | 3.876,20 | 3.931,10 | 3.956,10 | 4.025,20 | 4.126,20 | 4.284,80 | 4.388,20 | | | | | | | | | | |
| MTRU 310 (sist 12) | 4.128,20 | 4.183,10 | 4.208,10 | 4.277,20 | 4.378,30 | 4.536,80 | 4.640,20 | 4.835,70 | | | | | | | | | |
| MTRU 350 (sist 12) | 4.750,80 | 4.805,70 | 4.830,70 | 4.899,80 | 5.000,80 | 5.159,40 | 5.262,80 | 5.458,30 | | | | | | | | | |
| MTRU 400 (sist 12) | | 5.433,10 | 5.458,20 | 5.527,30 | 5.628,30 | 5.786,90 | 5.890,30 | 6.085,80 | 6.356,30 | 6.576,30 | 7.307,20 | 7.449,10 | | | | | |
| MTRU 450 (sist 12) | | | | 5.878,10 | 5.979,20 | 6.137,70 | 6.241,20 | 6.436,60 | 6.707,10 | 6.927,00 | 7.658,10 | 7.800,00 | 8.127,90 | 8.851,40 | | | |
| MTRU 500 (sist 12) | | | | 6.671,20 | 6.772,20 | 6.930,80 | 7.034,20 | 7.229,70 | 7.500,20 | 7.720,10 | 8.451,10 | 8.593,00 | 8.920,90 | 9.644,40 | 9.922,50 | | |
| MTRU 560 (sist 12) | | | | 8.674,50 | 8.775,70 | 8.934,10 | 9.037,60 | 9.233,00 | 9.503,60 | 9.723,50 | 10.454,50 | 10.596,40 | 10.924,30 | 11.647,90 | 11.926,00 | 12.833,90 | |
| MTRU 630 (sist 12) | | | | | 9.803,30 | 9.961,90 | 10.065,30 | 10.260,80 | 10.531,30 | 10.751,20 | 11.482,20 | 11.624,10 | 11.952,00 | 12.675,50 | 12.953,60 | 13.861,50 | 14.656,30 |

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|---------------------|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--|
| | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 | |
| MTRU 710 (sist 12) | 11.142,40 | 11.337,90 | 11.608,50 | 11.828,40 | 12.559,30 | 12.701,20 | 13.029,10 | 13.752,70 | 14.030,80 | 14.938,70 | 15.733,40 | 16.214,10 | 17.627,50 | | | |
| MTRU 800 (sist 12) | 12.283,80 | 12.479,30 | 12.749,90 | 12.969,80 | 13.700,70 | 13.842,60 | 14.170,50 | 14.894,20 | 15.172,30 | 16.080,20 | 16.874,80 | 17.355,50 | 18.768,90 | 21.600,60 | | |
| MTRU 900 (sist 12) | | 14.692,90 | 14.963,40 | 15.183,30 | 15.914,30 | 16.056,20 | 16.384,10 | 17.107,60 | 17.385,70 | 18.293,70 | 19.088,40 | 19.569,10 | 20.982,50 | 23.814,10 | 24.503,90 | |
| MTRU 1000 (sist 12) | | | 17.396,90 | 17.616,70 | 18.347,80 | 18.489,70 | 18.817,50 | 19.541,10 | 19.819,20 | 20.727,10 | 21.521,90 | 22.002,50 | 23.415,90 | 26.247,60 | 26.937,40 | |

Eex-e

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | | |
|--------------------|-----------------------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 |
| MTRU 250 (sist 12) | 3.690,90 | 3.752,80 | 3.782,30 | 3.896,80 | 4.004,80 | 4.234,50 | | | | | | | | | | | |
| MTRU 280 (sist 12) | 4.002,40 | 4.064,30 | 4.093,70 | 4.208,20 | 4.316,30 | 4.546,00 | 4.661,30 | | | | | | | | | | |
| MTRU 310 (sist 12) | 4.254,50 | 4.316,40 | 4.345,80 | 4.460,20 | 4.568,30 | 4.797,90 | 4.913,40 | 5.258,30 | | | | | | | | | |
| MTRU 350 (sist 12) | 4.877,00 | 4.938,90 | 4.968,40 | 5.082,80 | 5.190,80 | 5.420,60 | 5.535,90 | 5.880,90 | | | | | | | | | |
| MTRU 400 (sist 12) | | 5.566,40 | 5.595,80 | 5.710,30 | 5.818,40 | 6.048,00 | 6.163,40 | 6.508,40 | 7.215,40 | 7.421,70 | 8.176,80 | 8.737,30 | | | | | |
| MTRU 450 (sist 12) | | | | 6.061,20 | 6.169,20 | 6.398,90 | 6.514,30 | 6.859,30 | 7.566,20 | 7.772,40 | 8.527,70 | 9.088,10 | 9.686,00 | 12.755,50 | | | |
| MTRU 500 (sist 12) | | | | 6.854,20 | 6.962,20 | 7.191,90 | 7.307,30 | 7.652,30 | 8.359,20 | 8.565,60 | 9.320,70 | 9.881,10 | 10.479,10 | 13.548,70 | 14.272,40 | | |
| MTRU 560 (sist 12) | | | | 8.857,60 | 8.965,70 | 9.195,40 | 9.310,80 | 9.655,70 | 10.362,60 | 10.568,90 | 11.324,00 | 11.884,60 | 12.482,50 | 15.552,00 | 16.275,90 | 18.257,80 | |
| MTRU 630 (sist 12) | | | | | 9.993,30 | 10.223,00 | 10.338,40 | 10.683,30 | 11.390,30 | 11.596,60 | 12.351,80 | 12.912,20 | 13.510,20 | 16.579,80 | 17.303,50 | 19.285,50 | 21.398,30 |

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | |
|---------------------|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 |
| MTRU 710 (sist 12) | 11.415,50 | 11.760,50 | 12.467,50 | 12.673,80 | 13.428,90 | 13.989,40 | 14.587,30 | 17.656,90 | 18.380,70 | 20.362,60 | 22.475,40 | 24.074,00 | 27.232,60 | | |
| MTRU 800 (sist 12) | 12.556,90 | 12.901,90 | 13.608,90 | 13.815,20 | 14.570,30 | 15.130,90 | 15.728,70 | 18.798,30 | 19.522,20 | 21.504,00 | 23.616,80 | 25.215,40 | 28.374,00 | 34.952,70 | |
| MTRU 900 (sist 12) | | 15.115,50 | 15.822,50 | 16.028,70 | 16.783,90 | 17.344,40 | 17.942,20 | 21.011,80 | 21.735,60 | 23.717,50 | 25.830,40 | 27.428,90 | 30.587,60 | 37.166,20 | 40.086,70 |
| MTRU 1000 (sist 12) | | | 18.256,00 | 18.462,20 | 19.217,40 | 19.777,80 | 20.375,70 | 23.445,30 | 24.169,10 | 26.151,00 | 28.263,90 | 29.862,40 | 33.021,10 | 39.599,70 | 42.520,20 |

Eex-d

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | | |
|--------------------|-----------------------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 |
| MTRU 250 (sist 12) | 3.915,90 | 3.962,60 | 3.989,40 | 4.075,00 | 4.258,20 | 4.626,70 | | | | | | | | | | | |
| MTRU 280 (sist 12) | 4.227,50 | 4.274,00 | 4.300,90 | 4.386,50 | 4.569,70 | 4.938,20 | 5.140,10 | | | | | | | | | | |
| MTRU 310 (sist 12) | 4.479,50 | 4.526,10 | 4.553,00 | 4.638,60 | 4.821,80 | 5.190,20 | 5.392,00 | 5.843,70 | | | | | | | | | |
| MTRU 350 (sist 12) | 5.102,00 | 5.148,70 | 5.175,50 | 5.261,10 | 5.444,30 | 5.812,80 | 6.014,70 | 6.466,40 | | | | | | | | | |
| MTRU 400 (sist 12) | | 5.776,10 | 5.803,00 | 5.888,50 | 6.071,80 | 6.440,20 | 6.642,10 | 7.093,80 | 7.604,60 | 8.026,30 | 8.645,50 | 9.810,20 | | | | | |
| MTRU 450 (sist 12) | | | | 6.239,40 | 6.422,60 | 6.791,00 | 6.993,00 | 7.444,70 | 7.955,30 | 8.377,10 | 8.996,30 | 10.161,00 | 10.656,90 | 13.077,70 | | | |
| MTRU 500 (sist 12) | | | | 7.032,40 | 7.215,70 | 7.584,10 | 7.786,00 | 8.237,70 | 8.748,30 | 9.170,20 | 9.789,30 | 10.954,00 | 11.449,90 | 13.870,80 | 14.493,50 | | |
| MTRU 560 (sist 12) | | | | 9.035,90 | 9.219,10 | 9.587,50 | 9.789,40 | 10.241,10 | 10.751,80 | 11.173,50 | 11.792,80 | 12.957,50 | 13.453,30 | 15.874,20 | 16.497,00 | 19.130,60 | |
| MTRU 630 (sist 12) | | | | | 10.246,80 | 10.615,20 | 10.817,10 | 11.268,80 | 11.779,40 | 12.201,30 | 12.820,40 | 13.985,10 | 14.481,00 | 16.901,90 | 17.524,60 | 20.158,30 | 22.467,50 |

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | |
|---------------------|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 |
| MTRU 710 (sist 12) | 11.894,20 | 12.345,90 | 12.856,70 | 13.278,40 | 13.897,60 | 15.062,40 | 15.558,10 | 17.979,00 | 18.601,70 | 21.235,40 | 23.544,70 | 25.312,30 | 28.779,10 | | |
| MTRU 800 (sist 12) | 13.035,60 | 13.487,30 | 13.998,10 | 14.419,80 | 15.039,00 | 16.203,80 | 16.699,50 | 19.120,40 | 19.743,10 | 22.376,90 | 24.686,10 | 26.453,80 | 29.920,50 | 37.091,10 | |
| MTRU 900 (sist 12) | | 15.700,80 | 16.211,60 | 16.633,40 | 17.252,50 | 18.417,30 | 18.913,10 | 21.333,90 | 21.956,70 | 24.590,40 | 26.899,70 | 28.667,30 | 32.134,10 | 39.304,60 | 42.506,00 |
| MTRU 1000 (sist 12) | | | 18.645,10 | 19.066,90 | 19.686,00 | 20.850,80 | 21.346,60 | 23.767,40 | 24.390,20 | 27.023,90 | 29.333,00 | 31.100,70 | 34.567,60 | 41.738,10 | 44.939,50 |

MTGR ATEX - Centrifugal belt driven fan, for clean or slightly dusty air ATEX | Ventilador centrífugo a transmisión, para aire limpio o ligeramente polvoriento ATEX

Eex-nA

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | | | | | |
|--------------------|-----------------------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | |
| MTGR 400 (sist 12) | 5.402,90 | 5.457,90 | 5.482,80 | 5.552,10 | 5.653,10 | 5.811,60 | 5.915,00 | 6.110,50 | 6.381,10 | 6.600,90 | 7.331,90 | | | | | | | | | |
| MTGR 450 (sist 12) | | | 5.786,70 | 5.855,80 | 5.956,80 | 6.115,40 | 6.218,80 | 6.414,30 | 6.684,90 | 6.904,80 | 7.635,80 | 7.777,60 | | | | | | | | |
| MTGR 500 (sist 12) | | | | 6.648,80 | 6.750,00 | 6.908,40 | 7.011,90 | 7.207,30 | 7.477,90 | 7.697,80 | 8.428,80 | 8.570,60 | 8.898,60 | | | | | | | |
| MTGR 560 (sist 12) | | | | 8.474,50 | 8.575,50 | 8.734,10 | 8.837,50 | 9.033,00 | 9.303,50 | 9.523,40 | 10.254,40 | 10.396,30 | 10.724,20 | 11.447,80 | 11.725,90 | | | | | |
| MTGR 630 (sist 12) | | | | 9.741,80 | 9.842,90 | 10.001,40 | 10.104,80 | 10.300,30 | 10.570,90 | 10.790,80 | 11.521,70 | 11.663,60 | 11.991,50 | 12.715,10 | 12.993,20 | 13.901,10 | 14.695,90 | | | |
| MTGR 710 (sist 12) | | | | | | 10.779,20 | 10.937,70 | 11.041,10 | 11.236,60 | 11.507,10 | 11.727,10 | 12.458,10 | 12.599,90 | 12.927,80 | 13.651,40 | 13.929,50 | 14.837,40 | 15.632,20 | 16.112,80 | 17.526,20 |

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|---------------------|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 |
| MTGR 800 (sist 12) | 12.037,20 | 12.140,60 | 12.336,10 | 12.606,60 | 12.826,40 | 13.557,50 | 13.699,40 | 14.027,30 | 14.750,80 | 15.028,90 | 15.936,80 | 16.731,60 | 17.212,30 | 18.625,70 | 21.457,30 | |
| MTGR 900 (sist 12) | | 14.156,40 | 14.351,90 | 14.622,50 | 14.842,40 | 15.573,30 | 15.715,20 | 16.043,10 | 16.766,80 | 17.044,90 | 17.952,80 | 18.747,50 | 19.228,10 | 20.641,50 | 23.473,20 | |
| MTGR 1000 (sist 12) | | | 16.476,60 | 16.747,10 | 16.967,10 | 17.698,00 | 17.839,90 | 18.167,80 | 18.891,30 | 19.169,40 | 20.077,40 | 20.872,10 | 21.352,80 | 22.766,20 | 25.597,80 | 26.287,70 |

Eex-e

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | | | | |
|--------------------|-----------------------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 |
| MTGR 400 (sist 12) | 5.529,30 | 5.591,20 | 5.620,60 | 5.735,00 | 5.843,10 | 6.072,80 | 6.188,20 | 6.533,10 | 7.240,10 | 7.446,40 | 8.201,50 | | | | | | | | |
| MTGR 450 (sist 12) | | | 5.924,40 | 6.038,80 | 6.146,90 | 6.376,60 | 6.491,90 | 6.837,00 | 7.543,90 | 7.750,20 | 8.505,30 | 9.065,90 | | | | | | | |
| MTGR 500 (sist 12) | | | | 6.831,90 | 6.940,00 | 7.169,70 | 7.285,10 | 7.630,00 | 8.336,90 | 8.543,20 | 9.298,30 | 9.858,90 | 10.456,80 | | | | | | |
| MTGR 560 (sist 12) | | | | 8.657,50 | 8.765,50 | 8.995,30 | 9.110,60 | 9.455,60 | 10.162,60 | 10.368,80 | 11.124,00 | 11.684,50 | 12.282,30 | 15.351,90 | 16.075,80 | | | | |
| MTGR 630 (sist 12) | | | | 9.924,80 | 10.032,90 | 10.262,50 | 10.377,90 | 10.722,90 | 11.429,90 | 11.636,20 | 12.391,30 | 12.951,80 | 13.549,70 | 16.619,30 | 17.343,10 | 19.325,00 | 21.437,90 | | |
| MTGR 710 (sist 12) | | | | | 10.969,10 | 11.198,90 | 11.314,20 | 11.659,30 | 12.366,20 | 12.572,50 | 13.327,60 | 13.888,10 | 14.486,10 | 17.555,60 | 18.279,40 | 20.261,40 | 22.374,20 | 23.972,70 | 27.131,30 |

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|---------------------|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 |
| MTGR 800 (sist 12) | 12.298,30 | 12.413,70 | 12.758,70 | 13.465,60 | 13.671,90 | 14.427,10 | 14.987,50 | 15.585,40 | 18.655,00 | 19.378,80 | 21.360,70 | 23.473,60 | 25.072,20 | 28.230,80 | 34.809,40 | |
| MTGR 900 (sist 12) | | 14.429,60 | 14.774,50 | 15.481,50 | 15.687,80 | 16.442,90 | 17.003,50 | 17.601,30 | 20.670,90 | 21.394,80 | 23.376,60 | 25.489,50 | 27.088,00 | 30.246,60 | 36.825,30 | |
| MTGR 1000 (sist 12) | | | 16.899,20 | 17.606,20 | 17.812,50 | 18.567,60 | 19.128,10 | 19.726,00 | 22.795,60 | 23.519,30 | 25.501,30 | 27.614,10 | 29.212,70 | 32.371,30 | 38.949,90 | 41.870,40 |

Eex-d

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | | | | |
|--------------------|-----------------------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 |
| MTGR 400 (sist 12) | 5.754,20 | 5.800,90 | 5.827,80 | 5.913,30 | 6.096,60 | 6.464,90 | 6.666,80 | 7.118,50 | 7.629,30 | 8.051,10 | 8.670,20 | | | | | | | | |
| MTGR 450 (sist 12) | | | 6.131,50 | 6.217,10 | 6.400,30 | 6.768,80 | 6.970,70 | 7.422,40 | 7.933,10 | 8.354,80 | 8.974,00 | 10.138,80 | | | | | | | |
| MTGR 500 (sist 12) | | | | 7.010,20 | 7.193,40 | 7.561,80 | 7.763,70 | 8.215,40 | 8.726,10 | 9.147,80 | 9.767,10 | 10.931,80 | 11.427,60 | | | | | | |
| MTGR 560 (sist 12) | | | | 8.835,80 | 9.019,00 | 9.387,50 | 9.589,40 | 10.040,90 | 10.551,70 | 10.973,50 | 11.592,60 | 12.757,40 | 13.253,20 | 15.674,10 | 16.296,80 | | | | |
| MTGR 630 (sist 12) | | | | 10.103,00 | 10.286,30 | 10.654,70 | 10.856,60 | 11.308,30 | 11.819,10 | 12.240,80 | 12.860,00 | 14.024,80 | 14.520,50 | 16.941,40 | 17.564,20 | 20.197,80 | 22.507,10 | | |
| MTGR 710 (sist 12) | | | | | 11.222,60 | 11.591,10 | 11.793,00 | 12.244,70 | 12.755,30 | 13.177,10 | 13.796,20 | 14.961,00 | 15.456,80 | 17.877,80 | 18.500,40 | 21.134,20 | 23.443,40 | 25.211,00 | 28.677,80 |

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|---------------------|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 |
| MTGR 800 (sist 12) | 12.690,40 | 12.892,40 | 13.344,00 | 13.854,70 | 14.276,60 | 14.895,70 | 16.060,40 | 16.556,30 | 18.977,10 | 19.599,90 | 22.233,60 | 24.542,70 | 26.310,40 | 29.777,30 | 36.947,80 | |
| MTGR 900 (sist 12) | | 14.908,20 | 15.359,90 | 15.870,70 | 16.292,50 | 16.911,60 | 18.076,40 | 18.572,10 | 20.993,00 | 21.615,80 | 24.249,50 | 26.558,70 | 28.326,40 | 31.793,10 | 38.963,70 | |
| MTGR 1000 (sist 12) | | | 17.484,60 | 17.995,30 | 18.417,10 | 19.036,20 | 20.201,00 | 20.696,80 | 23.117,70 | 23.740,40 | 26.374,10 | 28.683,40 | 30.450,90 | 33.917,80 | 41.088,40 | 44.289,70 |

MTZM P/R ATEX - Centrifugal belt driven fan for solid material transport ATEX | Ventilador centrífugo a transmisión para transporte de material sólido ATEX
Eex-nA

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | | | |
|------------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 | |
| MTZM 250 P/R (sist 12) | 3.532,50 | 3.587,40 | 3.612,40 | | | | | | | | | | | | | | | |
| MTZM 280 P/R (sist 12) | 3.839,00 | 3.894,00 | 3.918,90 | 3.988,20 | 4.089,20 | | | | | | | | | | | | | |
| MTZM 310 P/R (sist 12) | 4.086,20 | 4.141,10 | 4.166,10 | 4.235,20 | 4.336,20 | 4.494,80 | 4.598,20 | 4.793,70 | | | | | | | | | | |
| MTZM 350 P/R (sist 12) | | 4.748,90 | 4.773,80 | 4.843,00 | 4.944,00 | 5.102,60 | 5.205,90 | 5.401,50 | | | | | | | | | | |
| MTZM 400 P/R (sist 12) | | | | 5.406,30 | 5.507,30 | 5.665,90 | 5.769,30 | 5.964,80 | 6.235,40 | 6.455,20 | 7.186,20 | | | | | | | |
| MTZM 450 P/R (sist 12) | | | | 5.705,20 | 5.806,20 | 5.964,80 | 6.068,20 | 6.263,70 | 6.534,30 | 6.754,20 | 7.485,10 | 7.627,00 | 7.954,90 | | | | | |
| MTZM 500 P/R (sist 12) | | | | 6.478,40 | 6.579,50 | 6.738,00 | 6.841,50 | 7.036,90 | 7.307,40 | 7.527,30 | 8.258,40 | 8.400,20 | 8.728,20 | 9.451,70 | 9.729,80 | | | |
| MTZM 560 P/R (sist 12) | | | | | 8.531,00 | 8.689,40 | 8.792,90 | 8.988,40 | 9.259,00 | 9.478,80 | 10.209,90 | 10.351,80 | 10.679,60 | 11.403,20 | 11.681,30 | 12.589,20 | | |
| MTZM 630 P/R (sist 12) | | | | | | | 9.682,30 | 9.877,80 | 10.148,40 | 10.368,30 | 11.099,20 | 11.241,10 | 11.569,00 | 12.292,60 | 12.570,70 | 13.478,70 | 14.273,40 | |

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|-------------------------|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--|--|
| | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 | | |
| MTZM 710 P/R (sist 12) | 10.762,30 | 11.032,90 | 11.252,80 | 11.983,70 | 12.125,60 | 12.453,50 | 13.177,10 | 13.455,20 | 14.363,10 | 15.157,90 | 15.638,50 | | | | | |
| MTZM 800 P/R (sist 12) | | | 12.117,50 | 12.848,40 | 12.990,30 | 13.318,20 | 14.041,80 | 14.319,90 | 15.227,90 | 16.022,50 | 16.503,20 | 17.916,60 | | | | |
| MTZM 900 P/R (sist 12) | | | | | | 15.190,80 | 15.914,50 | 16.192,60 | 17.100,50 | 17.895,20 | 18.375,80 | 19.789,20 | | | | |
| MTZM 1000 P/R (sist 12) | | | | | | | | 18.438,20 | 19.346,10 | 20.140,80 | 20.621,40 | 22.034,80 | 24.866,60 | 25.556,30 | | |

Eex-e

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | | | |
|------------------------|-----------------------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 | |
| MTZM 250 P/R (sist 12) | 3.658,70 | 3.720,60 | 3.750,10 | | | | | | | | | | | | | | | |
| MTZM 280 P/R (sist 12) | 3.965,40 | 4.027,30 | 4.056,70 | 4.171,20 | 4.279,20 | | | | | | | | | | | | | |
| MTZM 310 P/R (sist 12) | 4.212,50 | 4.274,30 | 4.303,80 | 4.418,20 | 4.526,30 | 4.756,00 | 4.871,30 | 5.216,30 | | | | | | | | | | |
| MTZM 350 P/R (sist 12) | | 4.882,10 | 4.911,60 | 5.026,00 | 5.134,00 | 5.363,80 | 5.479,10 | 5.824,00 | | | | | | | | | | |
| MTZM 400 P/R (sist 12) | | | | 5.589,30 | 5.697,40 | 5.927,00 | 6.042,40 | 6.387,40 | 7.094,40 | 7.300,70 | 8.055,80 | | | | | | | |
| MTZM 450 P/R (sist 12) | | | | 5.888,20 | 5.996,30 | 6.225,90 | 6.341,30 | 6.686,30 | 7.393,30 | 7.599,60 | 8.354,70 | 8.915,30 | 9.513,10 | | | | | |
| MTZM 500 P/R (sist 12) | | | | 6.661,50 | 6.769,50 | 6.999,20 | 7.114,60 | 7.459,60 | 8.166,50 | 8.372,70 | 9.127,90 | 9.688,40 | 10.286,30 | 13.355,80 | 14.079,70 | | | |
| MTZM 560 P/R (sist 12) | | | | | 8.721,00 | 8.950,70 | 9.066,10 | 9.411,00 | 10.118,00 | 10.324,20 | 11.079,50 | 11.639,90 | 12.237,80 | 15.307,30 | 16.031,20 | 18.013,10 | | |
| MTZM 630 P/R (sist 12) | | | | | | | 9.955,50 | 10.300,40 | 11.007,40 | 11.213,70 | 11.968,80 | 12.529,40 | 13.127,20 | 16.196,80 | 16.920,60 | 18.902,50 | 21.015,40 | |

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|-------------------------|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--|--|
| | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 | | |
| MTZM 710 P/R (sist 12) | 11.184,90 | 11.891,90 | 12.098,20 | 12.853,40 | 13.413,80 | 14.011,70 | 17.081,30 | 17.805,10 | 19.787,00 | 21.899,90 | 23.498,40 | | | | | |
| MTZM 800 P/R (sist 12) | | | 12.962,90 | 13.718,00 | 14.278,50 | 14.876,40 | 17.946,00 | 18.669,80 | 20.651,70 | 22.764,50 | 24.363,10 | 27.521,70 | | | | |
| MTZM 900 P/R (sist 12) | | | | | | 16.749,00 | 19.818,60 | 20.542,50 | 22.524,30 | 24.637,10 | 26.235,70 | 29.394,30 | | | | |
| MTZM 1000 P/R (sist 12) | | | | | | | | 22.788,10 | 24.769,90 | 26.882,80 | 28.481,30 | 31.640,00 | 38.218,60 | 41.139,10 | | |

Eex-d

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | | |
|------------------------|-----------------------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 |
| MTZM 250 P/R (sist 12) | 3.883,70 | 3.930,40 | 3.957,20 | | | | | | | | | | | | | | |
| MTZM 280 P/R (sist 12) | 4.190,30 | 4.237,00 | 4.263,90 | 4.349,40 | 4.532,70 | | | | | | | | | | | | |
| MTZM 310 P/R (sist 12) | 4.437,50 | 4.484,10 | 4.510,90 | 4.596,50 | 4.779,70 | 5.148,20 | 5.350,10 | 5.801,70 | | | | | | | | | |
| MTZM 350 P/R (sist 12) | | 5.091,90 | 5.118,70 | 5.204,30 | 5.387,50 | 5.755,90 | 5.957,90 | 6.409,50 | | | | | | | | | |
| MTZM 400 P/R (sist 12) | | | | 5.767,50 | 5.950,80 | 6.319,20 | 6.521,10 | 6.972,80 | 7.483,60 | 7.905,30 | 8.524,50 | | | | | | |
| MTZM 450 P/R (sist 12) | | | | 6.066,40 | 6.249,70 | 6.618,10 | 6.820,00 | 7.271,70 | 7.782,50 | 8.204,20 | 8.823,40 | 9.988,20 | 10.483,90 | | | | |
| MTZM 500 P/R (sist 12) | | | | 6.839,70 | 7.022,90 | 7.391,30 | 7.593,30 | 8.045,00 | 8.555,60 | 8.977,40 | 9.596,60 | 10.761,30 | 11.257,20 | 13.678,00 | 14.300,80 | | |
| MTZM 560 P/R (sist 12) | | | | | 8.974,50 | 9.342,80 | 9.544,80 | 9.996,40 | 10.507,10 | 10.928,90 | 11.548,10 | 12.712,80 | 13.208,70 | 15.629,50 | 16.252,30 | 18.886,00 | |
| MTZM 630 P/R (sist 12) | | | | | | | 10.434,10 | 10.885,80 | 11.396,60 | 11.818,40 | 12.437,50 | 13.602,30 | 14.098,00 | 16.518,90 | 17.141,70 | 19.775,30 | 22.084,60 |

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | |
|-------------------------|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 |
| MTZM 710 P/R (sist 12) | 11.770,30 | 12.281,10 | 12.702,90 | 13.322,00 | 14.486,80 | 14.982,60 | 17.403,40 | 18.026,20 | 20.659,80 | 22.969,10 | 24.736,70 | | | |
| MTZM 800 P/R (sist 12) | | | 13.567,50 | 14.186,60 | 15.351,40 | 15.847,20 | 18.268,20 | 18.890,80 | 21.524,60 | 23.833,80 | 25.601,40 | 29.068,20 | | |
| MTZM 900 P/R (sist 12) | | | | | | 17.719,80 | 20.140,80 | 20.763,40 | 23.397,20 | 25.706,40 | 27.474,10 | 30.940,80 | | |
| MTZM 1000 P/R (sist 12) | | | | | | | | 23.009,10 | 25.642,80 | 27.952,00 | 29.719,70 | 33.186,40 | 40.357,00 | 43.558,40 |

> TEKSTÜR <

> 100/120

> EXTRACTOR DE ALTA GAMA CON TEMPORIZADOR Y COMPUERTA ANTIRRETORNO <

> HIGH-END EXTRACTOR WITH BACKDRAUGHT DAMPER <



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Different ATEX configurations of free shaft without motor or belt driven motor Eje libre sin motor o motor a transmisión en diferentes configuraciones ATEX



AATVA ATEX



AATVP ATEX



AATVM ATEX



AATVC ATEX



AATVG ATEX



AATZA ATEX

MANUFACTURING FEATURES

- Rolling steel sheet housing, fully welded and protected against corrosion with epoxy powder finishing coat.
- High efficiency single inlet backward curved impeller manufactured in rolling steel sheet protected against corrosion with epoxy powder finishing coat. AATZA range with straight blade impeller in steel sheet protected with epoxy powder.
- The fan is supplied with free axle (sist.1), that is: without motor, pulleys or belts or with motor and transmission set (syst.9 and 12).
- Fans are equipped with protective grilles on the inlet and outlet.
- For models with motor: ATEX standard squirrel cage asynchronous motor with IP-55 protection and class F insulation. ATEX certified: II2G Ex-d, Ex-e / II3GD Ex-nA. Standard voltages 230/400V 50Hz for three-phase motors up to 4kW and 400/690V 50Hz for higher powers.
- Spark-proof fans.

APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, air extraction or injection.
- Cooling of machines and parts.
- Pneumatic transport.
- Clean air (AATVA, AATVC) or slightly dusty air transport (AATVP, AATVG/N, AATVM).
- Transport of solid material and textile fibers (AZZA).

UNDER REQUEST

- Hot-dipped galvanised or stainless steel fans.

This is a belt driven range, each model can be manufactured at different rpm, in case of order should be indicated the desired rpm for the correct operation of the unit and according to the needs.



CARACTERÍSTICAS CONSTRUCTIVAS

- Carcasa fabricada en chapa de acero laminado totalmente soldada y protegida contra la corrosión mediante recubrimiento en polvo de resina epoxy.
- Turbina de álabes curvados hacia atrás (a reacción) de simple aspiración y alto rendimiento, fabricada en chapa de acero laminado y recubierta contra la corrosión en polvo de resina epoxy. La serie AATZA lleva turbina de pala recta en chapa de acero protegida con epoxy.
- El ventilador se suministra a eje libre (sist.1), es decir: sin motor, poleas ni correas o con motor y conjunto de transmisión (sist.9 y 12).
- Los ventiladores se suministran con rejilla de protección tanto en la boca de aspiración como en la de impulsión. Para los modelos con motor: motor asíncrono ATEX normalizado de jaula de ardilla con protección IP-55, aislamiento clase F. Certificación ATEX: II2G Ex-d, Ex-e / II3GD Ex-nA. Voltajes estándar 230/400V 50Hz para motores trifásicos hasta 4kW y 400/690V 50Hz para potencias superiores.
- Ventiladores antichispas.

APLICACIONES

Diseñados para instalación en conducto, son indicados para:

- Procesos industriales, extracción o inyección localizada.
- Refrigeración de máquinas, enfriamiento de piezas.
- Transporte neumático.
- Transporte de aire limpio (AATVA, AATVC) o ligeramente polvoriento (AATVP, AATVG/N, AATVM).
- Transporte de materia sólida y fibra textil (AZZA).

BAJO DEMANDA

- Hot-dipped galvanised or stainless steel fans.

Esta gama es a transmisión, cada modelo se puede fabricar a distintas rpm, en caso de pedido se debe indicar las rpm a las que desea el equipo para que el modelo quede correctamente definido y sea adecuado a sus necesidades.

ATEX OPTIONS UNDER REQUEST | OPCIONES ATEX BAJO DEMANDA

Three-phase MOTOR explosion-proof under the ATEX 2014/34/EU Directive for working temperatures from -20°C to +40°C.

MOTORES trifásicos antiexplosivos bajo Directiva ATEX 2014/34/UE para temperaturas de trabajo de -20°C a +40°C.

- ATEX Explosion-proof for GAS | ATEX Antideflagrantes para GAS

ⓈII2G Ex-d IIB T4 IP66

ⓈII2G Ex-d IIC T4 IP66 (OPTIONAL PTC PROBE | Sonda PTC OPCIONAL)

ⓈII2G Ex-d IIC T5 IP66

- ATEX Increased security for GAS | ATEX Seguridad aumentada para GAS:

ⓈII2G Ex-e T3 IP55

- ATEX Protection "n" for GAS | ATEX Protección "n" para GAS:

ⓈII3G Ex-nA IIC T4 Gc

- ATEX Protection "n" for GAS and NON-CONDUCTIVE DUST |

ATEX Protección "n" para GAS y POLVO NO CONDUCTOR:

ⓈII3GD Ex-nA IIC T4 Gc Ex-tc IIB T125° IP55 ZONA 22

- ATEX Explosion-proof for GAS and DUST | ATEX Antideflagrantes para GAS y POLVO:

ⓈII2GD Ex-d IIC T4 IP66

ⓈII2GD Ex-d IIC T5 IP66

- ATEX Increased security for DUST | ATEX Seguridad aumentada para POLVO:

ⓈII3D Ex-e Dc

- ATEX Protection by enclosure for DRIVER DUST | ATEX Protección por recinto para POLVO CONDUCTOR:

ⓈII3D Ex-tc IIC T125° Dc IP55 ZONA 22

To carry out the selection of an ATEX fan, please use the curves that you will find in the Fanware by Casals selection software. The electrical data of these ATEX models can be modified.

Para llevar a cabo la selección de un ventilador ATEX, por favor use las curvas que encontrará en el programa de selección Fanware by Casals. Los datos eléctricos de estos Modelos ATEX pueden verse modificados.

ACCESSORIES | ACCESORIOS



INT ATEX pg.434

Switch for ATEX environments. Interruptor para funcionar en entornos ATEX.



SFC pg.433

Frequency speed controller. Variador de velocidad frecuencial.



RA pg.400

Inlet protection guard. Rejilla aspiración.



JE 45 pg.416

Flexible joint. Junta elástica.



SIL-C pg.426

Duct circular silencer. Silenciador circular conducto.



EI pg.412

Outlet flange. Embocadura impulsión.



BA-400 pg.416

Anti-vibrating flange 400°/2h. flexible. Brida antivibratoria 400°/2h.



FS pg.409

Frontal feet support for medium and high pressure fans. Pie soporte frontal para ventiladores de media y alta presión.



RI pg.398

Outlet protection guard. Reja de protección.



AC pg.411

Connexion flange. Brida de conexión.



BAD pg.416

Circular-Circular coupling flange. Brida de acoplamiento circular-circular.



FS pg.409

Front support for medium and high pressure fans. Pie soporte delantero para ventiladores de media y alta presión



AB pg.425

Acoustic cabins for Casals centrifugal fans. Cabinas acústicas para ventiladores centrífugos Casals



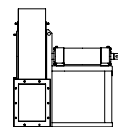
AVR pg.422

Anti-vibration rubber block. Amortiguador antivibrátil de caucho.



AVS pg.423

Spring anti-vibration blocks. Amortiguador de muelles.



FAN EXECUTION 1 (FREE SHAFT) | VENTILADOR SISTEMA 1 (EJE LIBRE SIN BANCADA)

AATVA ATEX - High pressure belt driven fan for clean air ATEX | Ventilador a transmisión de alta presión para aire limpio ATEX

| Code | Model | Máx. R.P.M. | Máx. power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-------------|-----------------------|-------------|------------------|---------------|---------------|-----------|----------|
| Código | Modelo | RPM máx. | Potencia máx. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € |
| 505603500X0 | AATVA 350/P (sist 1) | 3500 | 1,1 | 231 | 54 | (s.1) 28 | 2.136,70 |
| 505604000X0 | AATVA 400/P (sist 1) | 3500 | 1,5 | 350 | 58 | (s.1) 35 | 2.352,80 |
| 505604500X0 | AATVA 450/P (sist 1) | 3500 | 3 | 360 | 60 | (s.1) 38 | 2.507,70 |
| 505605000X0 | AATVA 500/P (sist 1) | 3500 | 3 | 350 | 60 | (s.1) 42 | 2.566,80 |
| 505605600X0 | AATVA 560/P (sist 1) | 3500 | 3 | 370 | 65 | (s.1) 65 | 3.374,20 |
| 505606300X0 | AATVA 630/P (sist 1) | 3500 | 5,5 | 525 | 67 | (s.1) 70 | 3.657,60 |
| 505607100X0 | AATVA 710/P (sist 1) | 3500 | 7,5 | 750 | 70 | (s.1) 100 | 4.420,10 |
| 505608000X0 | AATVA 800/P (sist 1) | 3500 | 11 | 1.030 | 73 | (s.1) 125 | 5.205,00 |
| 505609000X0 | AATVA 900/P (sist 1) | 3200 | 18,5 | 1.410 | 74 | (s.1) 220 | 6.487,40 |
| 505610000X0 | AATVA 1000/P (sist 1) | 2950 | 22 | 1.770 | 75 | (s.1) 330 | 9.321,30 |

AATVP ATEX - High pressure belt driven fan for clean or slightly dusty air ATEX | Ventilador a transmisión de alta presión para aire limpio o ligeramente polvoriento ATEX

| Code | Model | Máx. R.P.M. | Máx. power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-------------|---------------------|-------------|------------------|---------------|---------------|-----------|-----------|
| Código | Modelo | RPM máx. | Potencia máx. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € |
| 505504000X0 | AATVP 400 (sist 1) | 3500 | 1,5 | 685 | 51 | (s.1) 40 | 2.707,50 |
| 505504500X0 | AATVP 450 (sist 1) | 3500 | 3 | 1.000 | 55 | (s.1) 65 | 2.919,50 |
| 505505000X0 | AATVP 500 (sist 1) | 3500 | 7,5 | 1.370 | 56 | (s.1) 80 | 3.459,80 |
| 505505600X0 | AATVP 560 (sist 1) | 3500 | 7,5 | 1.860 | 59 | (s.1) 100 | 4.252,90 |
| 505506300X0 | AATVP 630 (sist 1) | 3500 | 11 | 2.740 | 62 | (s.1) 133 | 4.585,20 |
| 505507100X0 | AATVP 710 (sist 1) | 3500 | 22 | 3.920 | 65 | (s.1) 183 | 5.313,10 |
| 505508000X0 | AATVP 800 (sist 1) | 3500 | 30 | 5.390 | 68 | (s.1) 218 | 6.414,00 |
| 505509000X0 | AATVP 900 (sist 1) | 3300 | 55 | 7.610 | 69 | (s.1) 320 | 7.936,90 |
| 505510000X0 | AATVP 1000 (sist 1) | 3300 | 75 | 9.570 | 72 | (s.1) 457 | 10.481,30 |

AATVM ATEX - High pressure belt driven fan for clean or slightly dusty air ATEX | Ventilador a transmisión de alta presión para aire limpio o ligeramente polvoriento ATEX

| Code | Model | Máx. R.P.M. | Máx. power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-------------|---------------------|-------------|------------------|---------------|---------------|-----------|-----------|
| Código | Modelo | RPM máx. | Potencia máx. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € |
| 505103500X0 | AATVM 350 (sist 1) | 3500 | 3 | 1.760 | 60 | (s.1) 35 | 2.356,80 |
| 505104000X0 | AATVM 400 (sist 1) | 3500 | 7,5 | 2.200 | 61 | (s.1) 52 | 2.599,40 |
| 505104500X0 | AATVM 450 (sist 1) | 3500 | 7,5 | 3.715 | 66 | (s.1) 76 | 2.950,10 |
| 505105000X0 | AATVM 500 (sist 1) | 3500 | 18,5 | 4.810 | 67 | (s.1) 91 | 3.425,10 |
| 505105600X0 | AATVM 560 (sist 1) | 3500 | 22 | 7.850 | 73 | (s.1) 118 | 4.387,50 |
| 505106300X0 | AATVM 630 (sist 1) | 3500 | 37 | 10.650 | 73 | (s.1) 160 | 5.058,10 |
| 505107100X0 | AATVM 710 (sist 1) | 3500 | 45 | 13.600 | 77 | (s.1) 237 | 5.983,70 |
| 505108000X0 | AATVM 800 (sist 1) | 3450 | 55 | 17.000 | 80 | (s.1) 285 | 7.716,80 |
| 505109000X0 | AATVM 900 (sist 1) | 3200 | 90 | 23.750 | 79 | (s.1) 437 | 9.629,10 |
| 505110000X0 | AATVM 1000 (sist 1) | 3200 | 200 | 35.570 | 81 | (s.1) 690 | 12.673,00 |

AATVC - High pressure belt driven fan for clean air ATEX | Ventilador a transmisión de alta presión para aire limpio ATEX

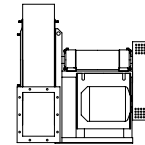
| Code | Model | Máx. R.P.M. | Máx. power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-------------|---------------------|-------------|------------------|---------------|---------------|-----------|-----------|
| Código | Modelo | RPM máx. | Potencia máx. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € |
| 505205000X0 | AATVC 500 (sist 1) | 3500 | 5,5 | 1.000 | 59 | (s.1) 63 | 3.419,00 |
| 505205600X0 | AATVC 560 (sist 1) | 3500 | 5,5 | 1.450 | 62 | (s.1) 79 | 4.257,00 |
| 505206300X0 | AATVC 630 (sist 1) | 3500 | 11 | 1.850 | 64 | (s.1) 131 | 4.571,00 |
| 505207100X0 | AATVC 710 (sist 1) | 3500 | 15 | 2.500 | 67 | (s.1) 181 | 5.286,60 |
| 505208000X0 | AATVC 800 (sist 1) | 3500 | 22 | 3.500 | 68 | (s.1) 199 | 6.407,90 |
| 505209000X0 | AATVC 900 (sist 1) | 3200 | 37 | 4.375 | 70 | (s.1) 310 | 7.841,20 |
| 505210000X0 | AATVC 1000 (sist 1) | 3200 | 55 | 6.325 | 73 | (s.1) 452 | 10.210,20 |

AATVG - High pressure belt driven fan for clean air ATEX | Ventilador a transmisión de alta presión para aire limpio ATEX

| Code | Model | Máx. R.P.M. | Máx. power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-------------|-----------------------|-------------|------------------|---------------|---------------|-----------|-----------|
| Código | Modelo | RPM máx. | Potencia máx. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € |
| 505304500X0 | AATVG/N 450 (sist 1) | 3500 | 7,5 | 1.870 | 59 | (s.1) 73 | 3.243,70 |
| 505305000X0 | AATVG/N 500 (sist 1) | 3500 | 15 | 2.550 | 61 | (s.1) 88 | 3.796,20 |
| 505305600X0 | AATVG/N 560 (sist 1) | 3500 | 18,5 | 3.650 | 64 | (s.1) 115 | 4.556,70 |
| 505306300X0 | AATVG/N 630 (sist 1) | 3500 | 30 | 5.200 | 67 | (s.1) 155 | 5.213,10 |
| 505307100X0 | AATVG/N 710 (sist 1) | 3500 | 45 | 9.320 | 74 | (s.1) 237 | 6.030,60 |
| 505308000X0 | AATVG/N 800 (sist 1) | 3500 | 55 | 11.780 | 77 | (s.1) 279 | 7.906,40 |
| 505309000X0 | AATVG/N 900 (sist 1) | 3100 | 90 | 16.200 | 75 | (s.1) 436 | 9.857,40 |
| 505310000X0 | AATVG/N 1000 (sist 1) | 2900 | 132 | 21.100 | 76 | (s.1) 590 | 12.893,20 |

AATZA ATEX - High pressure belt driven fan for transporting solid material ATEX | Ventilador a transmisión de alta presión para transporte de material sólido ATEX

| Code | Model | Máx. R.P.M. | Máx. power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-------------|---------------------|-------------|------------------|---------------|---------------|-----------|-----------|
| Código | Modelo | RPM máx. | Potencia máx. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P. € |
| 505004000X0 | AATZA 400 (sist 1) | 3500 | 4 | 630 | 54 | (s.1) 37 | 2.732,00 |
| 505004500X0 | AATZA 450 (sist 1) | 3500 | 5,5 | 830 | 58 | (s.1) 48 | 2.923,60 |
| 505005000X0 | AATZA 500 (sist 1) | 3500 | 5,5 | 1.125 | 62 | (s.1) 68 | 3.361,90 |
| 505005600X0 | AATZA 560 (sist 1) | 3500 | 7,5 | 1.555 | 65 | (s.1) 91 | 3.857,30 |
| 505006300X0 | AATZA 630 (sist 1) | 3300 | 9 | 2.200 | 67 | (s.1) 118 | 4.375,20 |
| 505007100X0 | AATZA 710 (sist 1) | 2900 | 11 | 2.510 | 68 | (s.1) 179 | 5.180,50 |
| 505008000X0 | AATZA 800 (sist 1) | 2600 | 15 | 3.760 | 66 | (s.1) 217 | 6.350,80 |
| 505009000X0 | AATZA 900 (sist 1) | 2300 | 18,5 | 4.790 | 68 | (s.1) 280 | 8.418,10 |
| 505010000X0 | AATZA 1000 (sist 1) | 2100 | 22 | 5.770 | 70 | (s.1) 365 | 12.024,60 |



FAN EXECUTION 9 (WITH BACKPACK) | VENTILADOR SISTEMA 9 (CON MOCHILA)

AATVA ATEX - High pressure belt driven fan for clean air ATEX | Ventilador a transmisión de alta presión para aire limpio ATEX

Ex-nA

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | |
|-----------------------|-----------------------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 |
| AATVA 350/P (sist 9) | 3.890,80 | 3.945,70 | 3.970,70 | 4.039,80 | | | | | | | | | | | |
| AATVA 400/P (sist 9) | 4.254,20 | 4.309,10 | 4.334,10 | 4.403,20 | 4.504,30 | | | | | | | | | | |
| AATVA 450/P (sist 9) | 4.441,90 | 4.496,90 | 4.521,80 | 4.590,90 | 4.692,10 | 4.850,50 | 4.953,90 | | | | | | | | |
| AATVA 500/P (sist 9) | 4.733,50 | 4.788,40 | 4.813,40 | 4.882,50 | 4.983,60 | 5.142,10 | 5.245,50 | | | | | | | | |
| AATVA 560/P (sist 9) | 5.778,40 | 5.833,40 | 5.858,30 | 5.927,40 | 6.028,60 | 6.187,00 | 6.290,50 | | | | | | | | |
| AATVA 630/P (sist 9) | 6.225,60 | 6.280,60 | 6.305,50 | 6.374,70 | 6.475,70 | 6.634,20 | 6.737,60 | 6.933,20 | 7.203,70 | | | | | | |
| AATVA 710/P (sist 9) | | 7.663,90 | 7.688,80 | 7.757,90 | 7.859,10 | 8.017,50 | 8.121,00 | 8.316,40 | 8.587,00 | 8.806,90 | | | | | |
| AATVA 800/P (sist 9) | | | 8.798,00 | 8.867,30 | 8.968,30 | 9.126,80 | 9.230,20 | 9.425,70 | 9.696,30 | 9.916,10 | 10.647,10 | 10.789,00 | | | |
| AATVA 900/P (sist 9) | | | | | 10.522,20 | 10.680,80 | 10.784,20 | 10.979,70 | 11.250,20 | 11.470,20 | 12.201,10 | 12.343,00 | 12.670,90 | 13.394,60 | |
| AATVA 1000/P (sist 9) | | | | | | | 13.215,20 | 13.410,70 | 13.681,30 | 13.901,20 | 14.632,10 | 14.774,00 | 15.101,90 | 15.825,60 | 16.103,70 |

Ex-e

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | |
|-----------------------|-----------------------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 |
| AATVA 350/P (sist 9) | 4.017,00 | 4.078,90 | 4.108,40 | 4.222,80 | | | | | | | | | | | |
| AATVA 400/P (sist 9) | 4.380,40 | 4.442,30 | 4.471,80 | 4.586,30 | 4.694,30 | | | | | | | | | | |
| AATVA 450/P (sist 9) | 4.568,20 | 4.630,10 | 4.659,60 | 4.774,00 | 4.882,00 | 5.111,80 | 5.227,10 | | | | | | | | |
| AATVA 500/P (sist 9) | 4.859,70 | 4.921,60 | 4.951,10 | 5.065,60 | 5.173,60 | 5.403,30 | 5.518,70 | | | | | | | | |
| AATVA 560/P (sist 9) | 5.904,70 | 5.966,60 | 5.996,10 | 6.110,50 | 6.218,50 | 6.448,30 | 6.563,70 | | | | | | | | |
| AATVA 630/P (sist 9) | 6.351,90 | 6.413,80 | 6.443,30 | 6.557,80 | 6.665,70 | 6.895,50 | 7.010,80 | 7.355,80 | 8.062,80 | | | | | | |
| AATVA 710/P (sist 9) | | 7.797,10 | 7.826,60 | 7.941,00 | 8.049,10 | 8.278,80 | 8.394,20 | 8.739,10 | 9.446,00 | 9.652,30 | | | | | |
| AATVA 800/P (sist 9) | | | 8.935,80 | 9.050,20 | 9.158,30 | 9.388,00 | 9.503,40 | 9.848,30 | 10.555,20 | 10.761,60 | 11.516,80 | 12.077,20 | | | |
| AATVA 900/P (sist 9) | | | | | 10.712,30 | 10.941,90 | 11.057,30 | 11.402,30 | 12.109,30 | 12.315,60 | 13.070,70 | 13.631,30 | 14.229,10 | 17.298,70 | |
| AATVA 1000/P (sist 9) | | | | | | | 13.488,30 | 13.833,30 | 14.540,30 | 14.746,60 | 15.501,70 | 16.062,30 | 16.660,10 | 19.729,70 | 20.453,60 |

Ex-d

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | |
|-----------------------|-----------------------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 |
| AATVA 350/P (sist 9) | 4.242,10 | 4.288,70 | 4.315,50 | 4.401,10 | | | | | | | | | | | |
| AATVA 400/P (sist 9) | 4.605,40 | 4.652,10 | 4.678,90 | 4.764,50 | 4.947,70 | | | | | | | | | | |
| AATVA 450/P (sist 9) | 4.793,20 | 4.839,90 | 4.866,70 | 4.952,30 | 5.135,50 | 5.503,90 | 5.705,90 | | | | | | | | |
| AATVA 500/P (sist 9) | 5.084,70 | 5.131,40 | 5.158,20 | 5.243,80 | 5.427,00 | 5.795,50 | 5.997,40 | | | | | | | | |
| AATVA 560/P (sist 9) | 6.129,70 | 6.176,40 | 6.203,20 | 6.288,80 | 6.472,00 | 6.840,40 | 7.042,30 | | | | | | | | |
| AATVA 630/P (sist 9) | 6.576,90 | 6.623,60 | 6.650,40 | 6.736,00 | 6.919,20 | 7.287,60 | 7.489,60 | 7.941,20 | 8.451,90 | | | | | | |
| AATVA 710/P (sist 9) | | 8.006,90 | 8.033,70 | 8.119,30 | 8.302,50 | 8.670,90 | 8.872,80 | 9.324,50 | 9.835,20 | 10.257,00 | | | | | |
| AATVA 800/P (sist 9) | | | 9.143,00 | 9.228,50 | 9.411,80 | 9.780,10 | 9.982,10 | 10.433,70 | 10.944,40 | 11.366,30 | 11.985,40 | 13.150,10 | | | |
| AATVA 900/P (sist 9) | | | | | 10.965,70 | 11.334,20 | 11.536,00 | 11.987,70 | 12.498,50 | 12.920,20 | 13.539,40 | 14.704,10 | 15.199,90 | 17.620,80 | |
| AATVA 1000/P (sist 9) | | | | | | | 13.967,10 | 14.418,70 | 14.929,50 | 15.351,20 | 15.970,40 | 17.135,10 | 17.630,90 | 20.051,80 | 20.674,50 |

AATVP ATEX - High pressure belt driven fan for clean or slightly dusty air ATEX | Ventilador a transmisión de alta presión para aire limpio o ligeramente polvoriento ATEX

Eex-nA

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|---------------------|-----------------------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | |
| AATVP 400 (sist 9) | 4.684,00 | 4.739,00 | 4.763,90 | 4.833,00 | 4.934,20 | | | | | | | | | | | |
| AATVP 450 (sist 9) | 4.940,90 | 4.995,80 | 5.020,80 | 5.090,00 | 5.191,00 | 5.349,60 | 5.453,00 | | | | | | | | | |
| AATVP 500 (sist 9) | 5.815,50 | 5.870,40 | 5.895,50 | 5.964,60 | 6.065,60 | 6.224,20 | 6.327,60 | 6.523,10 | | | | | | | | |
| AATVP 560 (sist 9) | 6.843,30 | 6.898,30 | 6.923,20 | 6.992,40 | 7.093,40 | 7.251,90 | 7.355,30 | 7.550,80 | | | | | | | | |
| AATVP 630 (sist 9) | | | 7.429,50 | 7.498,80 | 7.599,80 | 7.758,30 | 7.861,80 | 8.057,20 | 8.327,70 | 8.547,70 | | | | | | |
| AATVP 710 (sist 9) | | | | | 8.941,10 | 9.099,60 | 9.203,00 | 9.398,50 | 9.669,10 | 9.889,00 | 10.619,90 | 10.761,80 | 11.089,70 | 11.813,40 | | |
| AATVP 800 (sist 9) | | | | | | | 10.695,30 | 10.890,80 | 11.161,30 | 11.381,30 | 12.112,20 | 12.254,10 | 12.582,00 | 13.305,50 | 13.583,80 | |
| AATVP 900 (sist 9) | | | | | | | | | 12.736,20 | 13.006,70 | 13.226,70 | 13.957,70 | 14.099,50 | 14.427,40 | 15.151,10 | 15.429,20 |
| AATVP 1000 (sist 9) | | | | | | | | | | | 16.352,00 | 17.082,90 | 17.224,80 | 17.552,70 | 18.276,20 | 18.554,30 |

Eex-e

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|---------------------|-----------------------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | |
| AATVP 400 (sist 9) | 4.810,30 | 4.872,20 | 4.901,70 | 5.016,10 | 5.124,20 | | | | | | | | | | | |
| AATVP 450 (sist 9) | 5.067,30 | 5.129,10 | 5.158,50 | 5.273,00 | 5.381,10 | 5.610,70 | 5.726,10 | | | | | | | | | |
| AATVP 500 (sist 9) | 5.941,80 | 6.003,70 | 6.033,10 | 6.147,60 | 6.255,60 | 6.485,30 | 6.600,70 | 6.945,70 | | | | | | | | |
| AATVP 560 (sist 9) | 6.969,60 | 7.031,50 | 7.060,90 | 7.175,30 | 7.283,40 | 7.513,20 | 7.628,50 | 7.973,40 | | | | | | | | |
| AATVP 630 (sist 9) | | | 7.567,30 | 7.681,80 | 7.789,80 | 8.019,50 | 8.134,90 | 8.479,90 | 9.186,80 | 9.393,00 | | | | | | |
| AATVP 710 (sist 9) | | | | | 9.131,10 | 9.360,90 | 9.476,10 | 9.821,10 | 10.528,10 | 10.734,40 | 11.489,50 | 12.050,10 | 12.647,90 | 15.717,50 | | |
| AATVP 800 (sist 9) | | | | | | | 10.968,40 | 11.313,40 | 12.020,40 | 12.226,70 | 12.981,80 | 13.542,40 | 14.140,20 | 17.209,80 | 17.933,70 | |
| AATVP 900 (sist 9) | | | | | | | | | 13.158,90 | 13.865,80 | 14.072,10 | 14.827,20 | 15.387,80 | 15.985,70 | 19.055,20 | 19.779,10 |
| AATVP 1000 (sist 9) | | | | | | | | | | | 17.197,40 | 17.952,50 | 18.512,90 | 19.110,90 | 22.180,50 | 22.904,20 |

Eex-d

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|---------------------|-----------------------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | |
| AATVP 400 (sist 9) | 5.035,30 | 5.082,00 | 5.108,80 | 5.194,40 | 5.377,50 | | | | | | | | | | | |
| AATVP 450 (sist 9) | 5.292,20 | 5.338,80 | 5.365,80 | 5.451,20 | 5.634,50 | 6.002,90 | 6.204,80 | | | | | | | | | |
| AATVP 500 (sist 9) | 6.166,70 | 6.213,40 | 6.240,30 | 6.325,80 | 6.509,10 | 6.877,50 | 7.079,40 | 7.531,10 | | | | | | | | |
| AATVP 560 (sist 9) | 7.194,60 | 7.241,20 | 7.268,10 | 7.353,70 | 7.536,90 | 7.905,30 | 8.107,30 | 8.558,80 | | | | | | | | |
| AATVP 630 (sist 9) | | | 7.774,40 | 7.860,00 | 8.043,30 | 8.411,70 | 8.613,60 | 9.065,30 | 9.575,90 | 9.997,70 | | | | | | |
| AATVP 710 (sist 9) | | | | | 9.384,60 | 9.753,00 | 9.954,90 | 10.406,50 | 10.917,30 | 11.339,00 | 11.958,20 | 13.123,00 | 13.618,70 | 16.039,60 | | |
| AATVP 800 (sist 9) | | | | | | | 11.447,10 | 11.898,80 | 12.409,50 | 12.831,30 | 13.450,40 | 14.615,20 | 15.111,00 | 17.531,90 | 18.154,60 | |
| AATVP 900 (sist 9) | | | | | | | | | 13.744,30 | 14.255,00 | 14.676,70 | 15.295,90 | 16.460,60 | 16.956,50 | 19.377,40 | 20.000,00 |
| AATVP 1000 (sist 9) | | | | | | | | | | | 17.802,00 | 18.421,10 | 19.585,90 | 20.081,70 | 22.502,60 | 23.125,30 |

AATVM ATEX - High pressure belt driven fan for clean or slightly dusty air ATEX | Ventilador a transmisión de alta presión para aire limpio o ligeramente polvoriento ATEX

Eex-nA

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | | |
|---------------------|-----------------------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 |
| AATVM 350 (sist 9) | 4.157,60 | 4.212,60 | 4.237,50 | 4.306,60 | 4.407,80 | 4.566,20 | 4.669,60 | | | | | | | | | | |
| AATVM 400 (sist 9) | 4.553,10 | 4.608,00 | 4.633,00 | 4.702,20 | 4.803,20 | 4.961,70 | 5.065,20 | 5.260,60 | | | | | | | | | |
| AATVM 450 (sist 9) | | 5.033,00 | 5.057,90 | 5.127,10 | 5.228,10 | 5.386,70 | 5.490,10 | 5.685,60 | | | | | | | | | |
| AATVM 500 (sist 9) | | | 5.853,40 | 5.922,60 | 6.023,60 | 6.182,20 | 6.285,60 | 6.481,10 | 6.751,60 | 6.971,60 | | | | | | | |
| AATVM 560 (sist 9) | | | | 7.256,40 | 7.414,90 | 7.518,30 | 7.713,90 | 7.984,40 | 8.204,30 | 8.935,30 | 9.077,20 | 9.405,00 | 10.128,60 | | | | |
| AATVM 630 (sist 9) | | | | | | 8.434,90 | 8.630,50 | 8.901,00 | 9.120,90 | 9.851,90 | 9.993,80 | 10.321,60 | 11.045,20 | | | | |
| AATVM 710 (sist 9) | | | | | | 10.015,90 | 10.211,40 | 10.482,00 | 10.701,90 | 11.432,80 | 11.574,70 | 11.902,60 | 12.626,20 | 12.904,30 | | | |
| AATVM 800 (sist 9) | | | | | | 12.273,90 | 12.469,40 | 12.739,90 | 12.959,90 | 13.690,90 | 13.832,70 | 14.160,60 | 14.884,20 | 15.162,30 | | | |
| AATVM 900 (sist 9) | | | | | | | 14.786,70 | 15.057,30 | 15.277,20 | 16.008,20 | 16.150,00 | 16.478,00 | 17.201,60 | 17.479,70 | 18.387,60 | 19.182,40 | |
| AATVM 1000 (sist 9) | | | | | | | | | 19.007,70 | 19.738,60 | 19.880,50 | 20.208,40 | 20.932,00 | 21.210,20 | 22.118,10 | 22.912,70 | |

Eex-e

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | | |
|---------------------|-----------------------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 |
| AATVM 350 (sist 9) | 4.283,90 | 4.345,80 | 4.375,30 | 4.489,70 | 4.597,70 | 4.827,40 | 4.942,70 | | | | | | | | | | |
| AATVM 400 (sist 9) | 4.679,40 | 4.741,20 | 4.770,70 | 4.885,20 | 4.993,30 | 5.222,90 | 5.338,30 | 5.683,30 | | | | | | | | | |
| AATVM 450 (sist 9) | | 5.166,20 | 5.195,70 | 5.310,10 | 5.418,10 | 5.647,90 | 5.763,20 | 6.108,20 | | | | | | | | | |
| AATVM 500 (sist 9) | | | 5.991,10 | 6.105,60 | 6.213,60 | 6.443,40 | 6.558,70 | 6.903,70 | 7.610,70 | 7.816,90 | | | | | | | |
| AATVM 560 (sist 9) | | | | 7.446,40 | 7.676,10 | 7.791,50 | 8.136,40 | 8.843,50 | 9.049,70 | 9.804,90 | 10.365,40 | 10.963,20 | 14.032,80 | | | | |
| AATVM 630 (sist 9) | | | | | | 8.708,10 | 9.053,00 | 9.760,10 | 9.966,30 | 10.721,50 | 11.282,00 | 11.879,80 | 14.949,40 | | | | |
| AATVM 710 (sist 9) | | | | | | 10.289,00 | 10.634,00 | 11.341,00 | 11.547,30 | 12.302,40 | 12.862,90 | 13.460,80 | 16.530,40 | 17.254,20 | | | |
| AATVM 800 (sist 9) | | | | | | 12.547,00 | 12.892,00 | 13.599,00 | 13.805,20 | 14.560,40 | 15.120,90 | 15.718,80 | 18.788,40 | 19.512,20 | | | |
| AATVM 900 (sist 9) | | | | | | | 15.209,40 | 15.916,30 | 16.122,60 | 16.877,70 | 17.438,30 | 18.036,20 | 21.105,70 | 21.829,60 | 23.811,50 | 25.924,40 | |
| AATVM 1000 (sist 9) | | | | | | | | | 19.853,10 | 20.608,20 | 21.168,80 | 21.766,60 | 24.836,20 | 25.560,00 | 27.541,90 | 29.654,70 | |

Eex-d

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | | |
|---------------------|-----------------------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 |
| AATVM 350 (sist 9) | 4.508,90 | 4.555,60 | 4.582,40 | 4.668,00 | 4.851,10 | 5.219,60 | 5.421,50 | | | | | | | | | | |
| AATVM 400 (sist 9) | 4.904,30 | 4.951,00 | 4.977,80 | 5.063,40 | 5.246,70 | 5.615,10 | 5.817,00 | 6.268,70 | | | | | | | | | |
| AATVM 450 (sist 9) | | 5.376,00 | 5.402,80 | 5.488,40 | 5.671,60 | 6.040,10 | 6.242,00 | 6.693,60 | | | | | | | | | |
| AATVM 500 (sist 9) | | | 6.198,30 | 6.283,90 | 6.467,10 | 6.835,60 | 7.037,50 | 7.489,10 | 7.999,80 | 8.421,60 | | | | | | | |
| AATVM 560 (sist 9) | | | | | 7.699,90 | 8.068,30 | 8.270,20 | 8.721,80 | 9.232,60 | 9.654,40 | 10.273,50 | 11.438,30 | 11.934,10 | 14.354,90 | | | |
| AATVM 630 (sist 9) | | | | | | | 9.186,80 | 9.638,40 | 10.149,20 | 10.571,00 | 11.190,10 | 12.354,90 | 12.850,70 | 15.271,50 | | | |
| AATVM 710 (sist 9) | | | | | | | 10.767,70 | 11.219,40 | 11.730,20 | 12.151,90 | 12.771,10 | 13.935,90 | 14.431,60 | 16.852,50 | 17.475,30 | | |
| AATVM 800 (sist 9) | | | | | | | 13.025,80 | 13.477,50 | 13.988,10 | 14.409,90 | 15.029,00 | 16.193,80 | 16.689,60 | 19.110,60 | 19.733,20 | | |
| AATVM 900 (sist 9) | | | | | | | 15.794,80 | 16.305,50 | 16.727,30 | 17.346,40 | 18.511,20 | 19.007,10 | 21.427,90 | 22.050,60 | 24.684,30 | 26.993,50 | |
| AATVM 1000 (sist 9) | | | | | | | | | 20.457,70 | 21.076,80 | 22.241,60 | 22.737,40 | 25.158,40 | 25.781,00 | 28.414,80 | 30.724,00 | |

AATVC ATEX - High pressure belt driven fan for clean air ATEX | Ventilador a transmisión de alta presión para aire limpio ATEX
Eex-nA

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | |
|---------------------|-----------------------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 |
| AATVC 500 (sist 9) | 5.766,10 | 5.820,90 | 5.846,00 | 5.915,10 | 6.016,10 | 6.174,70 | 6.278,10 | 6.473,60 | 6.744,20 | | | | | | |
| AATVC 560 (sist 9) | 6.848,20 | 6.903,10 | 6.928,10 | 6.997,20 | 7.098,30 | 7.256,80 | 7.360,30 | 7.555,70 | 7.826,30 | | | | | | |
| AATVC 630 (sist 9) | | 7.387,30 | 7.412,30 | 7.481,50 | 7.582,50 | 7.741,10 | 7.844,50 | 8.040,00 | 8.310,50 | 8.530,40 | 9.261,40 | 9.403,30 | | | |
| AATVC 710 (sist 9) | | | | 8.808,00 | 8.909,00 | 9.067,50 | 9.170,90 | 9.366,40 | 9.637,00 | 9.856,90 | 10.587,80 | 10.729,70 | 11.057,60 | | |
| AATVC 800 (sist 9) | | | | | 10.425,90 | 10.584,40 | 10.687,80 | 10.883,30 | 11.153,90 | 11.373,80 | 12.104,70 | 12.246,60 | 12.574,50 | 13.298,10 | 13.576,20 |
| AATVC 900 (sist 9) | | | | | | | 12.424,70 | 12.620,10 | 12.890,70 | 13.110,60 | 13.841,60 | 13.983,50 | 14.311,40 | 15.034,90 | 15.313,00 |
| AATVC 1000 (sist 9) | | | | | | | | | 15.803,30 | 16.023,20 | 16.754,30 | 16.896,10 | 17.224,00 | 17.947,60 | 18.225,70 |

Eex-e

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | |
|---------------------|-----------------------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 |
| AATVC 500 (sist 9) | 5.892,40 | 5.954,30 | 5.983,60 | 6.098,10 | 6.206,20 | 6.435,80 | 6.551,20 | 6.896,20 | 7.603,20 | | | | | | |
| AATVC 560 (sist 9) | 6.974,50 | 7.036,30 | 7.065,80 | 7.180,30 | 7.288,40 | 7.518,00 | 7.633,40 | 7.978,40 | 8.685,30 | | | | | | |
| AATVC 630 (sist 9) | | 7.520,60 | 7.550,00 | 7.664,50 | 7.772,50 | 8.002,20 | 8.117,60 | 8.462,60 | 9.169,50 | 9.375,90 | 10.131,00 | 10.691,40 | | | |
| AATVC 710 (sist 9) | | | | 8.990,00 | 9.099,00 | 9.328,70 | 9.444,10 | 9.789,00 | 10.496,00 | 10.702,30 | 11.457,50 | 12.018,00 | 12.615,80 | | |
| AATVC 800 (sist 9) | | | | | 10.615,90 | 10.845,60 | 10.961,00 | 11.305,90 | 12.012,90 | 12.219,20 | 12.974,30 | 13.534,90 | 14.132,70 | 17.202,30 | 17.926,10 |
| AATVC 900 (sist 9) | | | | | | | 12.697,80 | 13.042,80 | 13.749,70 | 13.955,90 | 14.711,20 | 15.271,60 | 15.869,60 | 18.939,10 | 19.662,90 |
| AATVC 1000 (sist 9) | | | | | | | | | 16.662,40 | 16.868,60 | 17.623,80 | 18.184,30 | 18.782,20 | 21.851,70 | 22.575,60 |

Eex-d

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | |
|---------------------|-----------------------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 |
| AATVC 500 (sist 9) | 6.117,40 | 6.163,90 | 6.190,90 | 6.276,30 | 6.459,60 | 6.828,00 | 7.029,90 | 7.481,60 | 7.992,40 | | | | | | |
| AATVC 560 (sist 9) | 7.199,50 | 7.246,10 | 7.272,90 | 7.358,50 | 7.541,70 | 7.910,20 | 8.112,10 | 8.563,80 | 9.074,50 | | | | | | |
| AATVC 630 (sist 9) | | 7.730,30 | 7.757,20 | 7.842,70 | 8.026,00 | 8.394,40 | 8.596,30 | 9.048,00 | 9.558,60 | 9.980,50 | 10.599,60 | 11.764,30 | | | |
| AATVC 710 (sist 9) | | | | 9.169,30 | 9.352,50 | 9.720,90 | 9.922,80 | 10.374,40 | 10.885,20 | 11.307,00 | 11.926,10 | 13.090,90 | 13.586,70 | | |
| AATVC 800 (sist 9) | | | | | 10.869,40 | 11.237,70 | 11.439,60 | 11.891,30 | 12.402,10 | 12.823,90 | 13.443,00 | 14.607,80 | 15.103,50 | 17.524,40 | 18.147,20 |
| AATVC 900 (sist 9) | | | | | | | 13.176,50 | 13.628,20 | 14.138,80 | 14.560,60 | 15.179,80 | 16.344,50 | 16.840,40 | 19.261,20 | 19.884,00 |
| AATVC 1000 (sist 9) | | | | | | | | | 17.051,50 | 17.473,30 | 18.092,40 | 19.257,20 | 19.753,00 | 22.173,90 | 22.796,60 |

AATVG ATEX - High pressure belt driven fan for clean air ATEX | Ventilador a transmisión de alta presión para aire limpio ATEX
Eex-nA

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 |
| AATVG/N 450 (sist 9) | 5.333,80 | 5.388,70 | 5.413,70 | 5.482,80 | 5.583,80 | 5.742,40 | 5.845,80 | 6.041,30 | | | | | | | | | |
| AATVG/N 500 (sist 9) | | 6.278,10 | 6.303,00 | 6.372,20 | 6.473,30 | 6.631,80 | 6.735,30 | 6.930,70 | 7.201,20 | 7.421,20 | | | | | | | |
| AATVG/N 560 (sist 9) | | | 7.360,50 | 7.461,50 | 7.620,00 | 7.723,50 | 7.919,00 | 8.189,50 | 8.409,40 | 9.140,40 | 9.282,30 | 9.610,20 | 10.333,80 | | | | |
| AATVG/N 630 (sist 9) | | | | | 8.519,30 | 8.622,70 | 8.818,20 | 9.088,70 | 9.308,60 | 10.039,60 | 10.181,50 | 10.509,40 | 11.233,00 | | | | |
| AATVG/N 710 (sist 9) | | | | | | 10.072,70 | 10.268,20 | 10.538,80 | 10.758,70 | 11.489,60 | 11.631,50 | 11.959,40 | 12.683,00 | 12.961,10 | | | |
| AATVG/N 800 (sist 9) | | | | | | | | 12.969,70 | 13.189,60 | 13.920,50 | 14.062,40 | 14.390,30 | 15.113,90 | 15.392,00 | | | |
| AATVG/N 900 (sist 9) | | | | | | | | | 15.553,90 | 16.284,80 | 16.426,70 | 16.754,60 | 17.478,30 | 17.756,40 | 18.664,30 | 19.459,00 | |
| AATVG/N 1000 (sist 9) | | | | | | | | | | 20.475,20 | 21.198,90 | 21.477,00 | 22.384,90 | 23.179,70 | | | |

Eex-e

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 |
| AATVG/N 450 (sist 9) | 5.460,00 | 5.521,90 | 5.551,40 | 5.665,90 | 5.773,90 | 6.003,60 | 6.118,90 | 6.464,00 | | | | | | | | | |
| AATVG/N 500 (sist 9) | | 6.411,30 | 6.440,80 | 6.555,30 | 6.663,30 | 6.893,00 | 7.008,40 | 7.353,40 | 8.060,30 | 8.266,50 | | | | | | | |
| AATVG/N 560 (sist 9) | | | | 7.543,50 | 7.651,50 | 7.881,20 | 7.996,60 | 8.341,60 | 9.048,50 | 9.254,80 | 10.010,00 | 10.570,50 | 11.168,40 | 14.238,00 | | | |
| AATVG/N 630 (sist 9) | | | | | | 8.780,40 | 8.895,80 | 9.240,80 | 9.947,70 | 10.154,10 | 10.909,20 | 11.469,70 | 12.067,60 | 15.137,20 | | | |
| AATVG/N 710 (sist 9) | | | | | | | | 10.345,90 | 10.690,80 | 11.397,80 | 11.604,10 | 12.359,20 | 12.919,70 | 13.517,60 | 16.587,20 | 17.311,00 | |
| AATVG/N 800 (sist 9) | | | | | | | | | 13.828,70 | 14.035,00 | 14.790,20 | 15.350,70 | 15.948,50 | 19.018,10 | 19.741,90 | | |
| AATVG/N 900 (sist 9) | | | | | | | | | | 16.399,30 | 17.154,40 | 17.715,00 | 18.312,80 | 21.382,40 | 22.106,30 | 24.088,10 | 26.200,90 |
| AATVG/N 1000 (sist 9) | | | | | | | | | | | | | 22.033,40 | 25.103,00 | 25.826,90 | 27.808,70 | 29.921,60 |

Eex-d

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 |
| AATVG/N 450 (sist 9) | 5.685,00 | 5.731,70 | 5.758,50 | 5.844,10 | 6.027,30 | 6.395,80 | 6.597,70 | 7.049,40 | | | | | | | | | |
| AATVG/N 500 (sist 9) | | 6.621,10 | 6.647,90 | 6.733,50 | 6.916,70 | 7.285,20 | 7.487,10 | 7.938,80 | 8.449,40 | 8.871,20 | | | | | | | |
| AATVG/N 560 (sist 9) | | | | 7.721,70 | 7.905,00 | 8.273,40 | 8.475,30 | 8.927,00 | 9.437,60 | 9.859,50 | 10.478,70 | 11.643,30 | 12.139,20 | 14.560,10 | | | |
| AATVG/N 630 (sist 9) | | | | | | 9.172,60 | 9.374,50 | 9.826,20 | 10.336,90 | 10.758,70 | 11.377,90 | 12.542,50 | 13.038,40 | 15.459,30 | | | |
| AATVG/N 710 (sist 9) | | | | | | | 10.824,50 | 11.276,20 | 11.787,00 | 12.208,80 | 12.827,90 | 13.992,70 | 14.488,40 | 16.909,30 | 17.532,10 | | |
| AATVG/N 800 (sist 9) | | | | | | | | | 14.217,90 | 14.639,70 | 15.258,80 | 16.423,60 | 16.919,40 | 19.340,20 | 19.963,00 | | |
| AATVG/N 900 (sist 9) | | | | | | | | | | 17.003,90 | 17.623,00 | 18.787,80 | 19.283,60 | 21.704,60 | 22.327,20 | 24.961,00 | 27.270,20 |
| AATVG/N 1000 (sist 9) | | | | | | | | | | | | | 23.004,20 | 25.425,20 | 26.047,80 | 28.681,60 | 30.990,80 |

AATZA ATEX - High pressure belt driven fan for transporting solid material ATEX | Ventilador a transmisión de alta presión para transporte de material sólido ATEX

Eex-nA

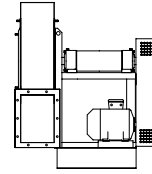
| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|---------------------|-----------------------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | |
| AATZA 400 (sist 9) | 4.713,60 | 4.768,60 | 4.793,60 | 4.862,70 | 4.963,80 | 5.122,30 | 5.225,70 | 5.421,20 | | | | | | | | |
| AATZA 450 (sist 9) | 4.946,00 | 5.000,90 | 5.025,90 | 5.095,00 | 5.196,00 | 5.354,60 | 5.458,00 | 5.653,50 | | | | | | | | |
| AATZA 500 (sist 9) | 5.697,00 | 5.751,90 | 5.776,90 | 5.846,00 | 5.947,10 | 6.105,60 | 6.209,10 | 6.404,50 | | | | | | | | |
| AATZA 560 (sist 9) | | 6.419,00 | 6.443,90 | 6.513,00 | 6.614,10 | 6.772,60 | 6.876,00 | 7.071,50 | | | | | | | | |
| AATZA 630 (sist 9) | | | | 7.244,30 | 7.345,30 | 7.503,90 | 7.607,30 | 7.802,80 | 8.073,30 | 8.293,20 | | | | | | |
| AATZA 710 (sist 9) | | | | 8.679,50 | 8.780,50 | 8.939,10 | 9.042,50 | 9.238,00 | 9.508,50 | 9.728,50 | 10.459,40 | 10.601,30 | | | | |
| AATZA 800 (sist 9) | | | | 10.255,60 | 10.356,70 | 10.515,20 | 10.618,70 | 10.814,10 | 11.084,60 | 11.304,60 | 12.035,60 | 12.177,40 | 12.505,40 | | | |
| AATZA 900 (sist 9) | | | | | | 13.020,30 | 13.123,80 | 13.319,20 | 13.589,80 | 13.809,70 | 14.540,70 | 14.682,50 | 15.010,50 | 15.734,10 | | |
| AATZA 1000 (sist 9) | | | | | | | 17.536,10 | 17.731,60 | 18.002,20 | 18.222,10 | 18.953,00 | 19.094,90 | 19.422,80 | 20.146,50 | 20.424,60 | |

Eex-e

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|---------------------|-----------------------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | |
| AATZA 400 (sist 9) | 4.840,00 | 4.901,90 | 4.931,30 | 5.045,70 | 5.153,80 | 5.383,40 | 5.498,90 | 5.843,80 | | | | | | | | |
| AATZA 450 (sist 9) | 5.072,20 | 5.134,10 | 5.163,60 | 5.278,00 | 5.386,00 | 5.615,80 | 5.731,10 | 6.076,10 | | | | | | | | |
| AATZA 500 (sist 9) | 5.823,20 | 5.885,10 | 5.914,60 | 6.029,10 | 6.137,10 | 6.366,80 | 6.482,20 | 6.827,20 | | | | | | | | |
| AATZA 560 (sist 9) | | 6.552,20 | 6.581,70 | 6.696,00 | 6.804,10 | 7.033,90 | 7.149,20 | 7.494,10 | | | | | | | | |
| AATZA 630 (sist 9) | | | | 7.427,30 | 7.535,30 | 7.765,00 | 7.880,40 | 8.225,40 | 8.932,40 | 9.138,60 | | | | | | |
| AATZA 710 (sist 9) | | | | 8.862,50 | 8.970,60 | 9.200,20 | 9.315,60 | 9.660,60 | 10.367,60 | 10.573,90 | 11.329,00 | 11.889,60 | | | | |
| AATZA 800 (sist 9) | | | | 10.438,70 | 10.546,70 | 10.776,40 | 10.891,80 | 11.236,80 | 11.943,70 | 12.150,00 | 12.905,10 | 13.465,70 | 14.063,60 | | | |
| AATZA 900 (sist 9) | | | | | | 13.281,50 | 13.396,90 | 13.741,90 | 14.448,80 | 14.655,10 | 15.410,20 | 15.970,80 | 16.568,70 | 19.638,20 | | |
| AATZA 1000 (sist 9) | | | | | | | 17.809,20 | 18.154,20 | 18.861,20 | 19.067,50 | 19.822,60 | 20.383,20 | 20.981,00 | 24.050,60 | 24.774,50 | |

Eex-d

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|---------------------|-----------------------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | |
| AATZA 400 (sist 9) | 5.064,90 | 5.111,60 | 5.138,50 | 5.224,00 | 5.407,30 | 5.775,60 | 5.977,50 | 6.429,20 | | | | | | | | |
| AATZA 450 (sist 9) | 5.297,20 | 5.343,80 | 5.370,70 | 5.456,30 | 5.639,50 | 6.008,00 | 6.209,90 | 6.661,50 | | | | | | | | |
| AATZA 500 (sist 9) | 6.048,20 | 6.094,90 | 6.121,70 | 6.207,30 | 6.390,50 | 6.759,00 | 6.960,90 | 7.412,60 | | | | | | | | |
| AATZA 560 (sist 9) | | 6.762,00 | 6.788,80 | 6.874,40 | 7.057,60 | 7.426,00 | 7.628,00 | 8.079,60 | | | | | | | | |
| AATZA 630 (sist 9) | | | | 7.605,60 | 7.788,80 | 8.157,20 | 8.359,10 | 8.810,70 | 9.321,50 | 9.743,30 | | | | | | |
| AATZA 710 (sist 9) | | | | 9.040,70 | 9.224,00 | 9.592,40 | 9.794,30 | 10.246,00 | 10.756,80 | 11.178,50 | 11.797,70 | 12.962,40 | | | | |
| AATZA 800 (sist 9) | | | | 10.616,90 | 10.800,10 | 11.168,60 | 11.370,50 | 11.822,20 | 12.332,90 | 12.754,60 | 13.373,90 | 14.538,50 | 15.034,40 | | | |
| AATZA 900 (sist 9) | | | | | | 13.673,70 | 13.875,60 | 14.327,30 | 14.838,00 | 15.259,70 | 15.879,00 | 17.043,70 | 17.539,50 | 19.960,40 | | |
| AATZA 1000 (sist 9) | | | | | | | 18.288,00 | 18.739,60 | 19.250,40 | 19.672,10 | 20.291,30 | 21.456,10 | 21.951,80 | 24.372,70 | 24.995,50 | |

FAN CONFIGURATION 12 (WITH BASEMENT) | VENTILADOR SISTEMA 12 (CON BANCADA)

AATVA ATEX - High pressure belt driven fan for clean air ATEX | Ventilador a transmisión de alta presión para aire limpio ATEX
Eex-nA

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | |
|------------------------|-----------------------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 |
| AATVA 350/P (sist 12) | 4.296,20 | 4.351,10 | 4.376,10 | 4.445,20 | | | | | | | | | | | |
| AATVA 400/P (sist 12) | 4.829,70 | 4.884,70 | 4.909,60 | 4.978,80 | 5.079,90 | | | | | | | | | | |
| AATVA 450/P (sist 12) | 5.017,60 | 5.072,50 | 5.097,50 | 5.166,60 | 5.267,70 | 5.426,20 | 5.529,60 | | | | | | | | |
| AATVA 500/P (sist 12) | 5.247,30 | 5.302,20 | 5.327,20 | 5.396,40 | 5.497,40 | 5.656,00 | 5.759,40 | | | | | | | | |
| AATVA 560/P (sist 12) | 6.998,70 | 7.053,60 | 7.078,70 | 7.147,80 | 7.248,80 | 7.407,40 | 7.510,80 | | | | | | | | |
| AATVA 630/P (sist 12) | 7.384,10 | 7.439,10 | 7.464,00 | 7.533,10 | 7.634,20 | 7.792,70 | 7.896,10 | 8.091,60 | 8.362,20 | | | | | | |
| AATVA 710/P (sist 12) | | 8.822,50 | 8.847,50 | 8.916,70 | 9.017,70 | 9.176,20 | 9.279,70 | 9.475,10 | 9.745,80 | 9.965,60 | | | | | |
| AATVA 800/P (sist 12) | | | 9.912,30 | 9.981,40 | 10.082,50 | 10.241,00 | 10.344,40 | 10.539,90 | 10.810,50 | 11.030,40 | 11.761,40 | 11.903,20 | | | |
| AATVA 900/P (sist 12) | | | | | 11.994,70 | 12.153,20 | 12.256,60 | 12.452,10 | 12.722,60 | 12.942,60 | 13.673,60 | 13.815,40 | 14.143,40 | 14.866,90 | |
| AATVA 1000/P (sist 12) | | | | | | | 16.288,50 | 16.484,00 | 16.754,60 | 16.974,50 | 17.705,40 | 17.847,30 | 18.175,20 | 18.898,90 | 19.177,00 |

Eex-e

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | |
|------------------------|-----------------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 |
| AATVA 350/P (sist 12) | 4.422,50 | 4.484,30 | 4.513,80 | 4.628,30 | | | | | | | | | | | |
| AATVA 400/P (sist 12) | 4.956,00 | 5.017,90 | 5.047,40 | 5.161,90 | 5.269,90 | | | | | | | | | | |
| AATVA 450/P (sist 12) | 5.143,80 | 5.205,70 | 5.235,20 | 5.349,70 | 5.457,70 | 5.687,40 | 5.802,70 | | | | | | | | |
| AATVA 500/P (sist 12) | 5.373,60 | 5.435,50 | 5.464,90 | 5.579,40 | 5.687,40 | 5.917,10 | 6.032,50 | | | | | | | | |
| AATVA 560/P (sist 12) | 7.125,00 | 7.186,90 | 7.216,30 | 7.330,80 | 7.438,90 | 7.668,50 | 7.783,90 | | | | | | | | |
| AATVA 630/P (sist 12) | 7.510,40 | 7.572,30 | 7.601,80 | 7.716,20 | 7.824,20 | 8.054,00 | 8.169,30 | 8.514,30 | 9.221,20 | | | | | | |
| AATVA 710/P (sist 12) | | 8.955,80 | 8.985,20 | 9.099,70 | 9.207,80 | 9.437,40 | 9.552,80 | 9.897,80 | 10.604,70 | 10.811,00 | | | | | |
| AATVA 800/P (sist 12) | | | 10.050,10 | 10.164,40 | 10.272,50 | 10.502,20 | 10.617,50 | 10.962,60 | 11.669,50 | 11.875,80 | 12.630,90 | 13.191,50 | | | |
| AATVA 900/P (sist 12) | | | | | 12.184,60 | 12.414,40 | 12.529,80 | 12.874,80 | 13.581,70 | 13.788,00 | 14.543,10 | 15.103,70 | 15.701,60 | 18.771,10 | |
| AATVA 1000/P (sist 12) | | | | | | | 16.561,70 | 16.906,60 | 17.613,60 | 17.819,90 | 18.575,00 | 19.135,60 | 19.733,40 | 22.803,00 | 23.526,90 |

Eex-d

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | |
|------------------------|-----------------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 |
| AATVA 350/P (sist 12) | 4.647,50 | 4.694,10 | 4.720,90 | 4.806,50 | | | | | | | | | | | |
| AATVA 400/P (sist 12) | 5.181,00 | 5.227,70 | 5.254,50 | 5.340,10 | 5.523,30 | | | | | | | | | | |
| AATVA 450/P (sist 12) | 5.368,90 | 5.415,50 | 5.442,30 | 5.527,90 | 5.711,10 | 6.079,60 | 6.281,50 | | | | | | | | |
| AATVA 500/P (sist 12) | 5.598,60 | 5.645,20 | 5.672,10 | 5.757,70 | 5.940,90 | 6.309,40 | 6.511,20 | | | | | | | | |
| AATVA 560/P (sist 12) | 7.349,90 | 7.396,60 | 7.423,50 | 7.509,00 | 7.692,30 | 8.060,70 | 8.262,60 | | | | | | | | |
| AATVA 630/P (sist 12) | 7.735,40 | 7.782,10 | 7.808,90 | 7.894,50 | 8.077,70 | 8.446,10 | 8.648,00 | 9.099,70 | 9.610,40 | | | | | | |
| AATVA 710/P (sist 12) | | 9.165,50 | 9.192,40 | 9.277,90 | 9.461,20 | 9.829,60 | 10.031,50 | 10.483,20 | 10.993,90 | 11.415,60 | | | | | |
| AATVA 800/P (sist 12) | | | 10.257,20 | 10.342,80 | 10.526,00 | 10.894,40 | 11.096,30 | 11.548,00 | 12.058,70 | 12.480,40 | 13.099,60 | 14.264,40 | | | |
| AATVA 900/P (sist 12) | | | | | 12.438,10 | 12.806,60 | 13.008,50 | 13.460,20 | 13.970,80 | 14.392,60 | 15.011,70 | 16.176,50 | 16.672,40 | 19.093,30 | |
| AATVA 1000/P (sist 12) | | | | | | | 17.040,30 | 17.492,00 | 18.002,80 | 18.424,60 | 19.043,70 | 20.208,50 | 20.704,20 | 23.125,10 | 23.747,90 |

AATVP ATEX - High pressure belt driven fan for clean or slightly dusty air ATEX | Ventilador a transmisión de alta presión para aire limpio o ligeramente polvoriento ATEX
Eex-nA

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | |
|---------------------|-----------------------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 |
| AATVP 400 (sist 12) | 5.259,70 | 5.314,60 | 5.339,60 | 5.408,70 | 5.509,80 | | | | | | | | | | |
| AATVP 450 (sist 12) | 5.516,60 | 5.571,50 | 5.596,50 | 5.665,70 | 5.766,70 | 5.925,30 | 6.028,70 | | | | | | | | |
| AATVP 500 (sist 12) | 6.329,30 | 6.384,30 | 6.409,20 | 6.478,40 | 6.579,50 | 6.738,00 | 6.841,50 | 7.036,90 | 7.307,40 | 7.527,30 | | | | | |
| AATVP 560 (sist 12) | 8.063,50 | 8.118,40 | 8.143,40 | 8.212,50 | 8.313,60 | 8.472,10 | 8.575,60 | 8.771,00 | 9.041,60 | 9.261,50 | | | | | |
| AATVP 630 (sist 12) | | | 8.588,00 | 8.657,30 | 8.758,30 | 8.916,70 | 9.020,20 | 9.215,60 | 9.486,30 | 9.706,10 | 10.437,10 | 10.579,00 | | | |
| AATVP 710 (sist 12) | | | | | 10.099,70 | 10.258,30 | 10.361,70 | 10.557,20 | 10.827,80 | 11.047,70 | 11.778,60 | 11.920,50 | 12.248,40 | 12.972,10 | 13.250,20 |

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | |
|----------------------|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 |
| AATVP 800 (sist 12) | 11.809,50 | 12.004,90 | 12.275,40 | 12.495,30 | 13.226,40 | 13.368,30 | 13.696,20 | 14.419,70 | 14.697,80 | 15.605,70 | | | | | |
| AATVP 900 (sist 12) | | 14.208,70 | 14.479,20 | 14.699,10 | 15.430,10 | 15.572,00 | 15.899,90 | 16.623,40 | 16.901,60 | 17.809,50 | 18.604,20 | 19.084,90 | 20.498,30 | | |
| AATVP 1000 (sist 12) | | | | 18.031,80 | 18.762,80 | 18.904,70 | 19.232,60 | 19.956,10 | 20.234,30 | 21.142,20 | 21.936,90 | 22.417,50 | 23.831,00 | 26.662,60 | |
| AATVP 1120 (sist 12) | | | | | | 22.679,60 | 23.007,50 | 23.731,10 | 24.009,20 | 24.917,10 | 25.711,90 | 26.192,50 | 27.605,90 | 30.437,60 | 31.127,40 |

Eex-e

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|---------------------|-----------------------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | |
| AATVP 400 (sist 12) | 5.385,90 | 5.447,80 | 5.477,30 | 5.591,80 | 5.699,80 | | | | | | | | | | | |
| AATVP 450 (sist 12) | 5.642,90 | 5.704,80 | 5.734,20 | 5.848,70 | 5.956,70 | 6.186,40 | 6.301,80 | | | | | | | | | |
| AATVP 500 (sist 12) | 6.455,60 | 6.517,50 | 6.547,00 | 6.661,50 | 6.769,50 | 6.999,20 | 7.114,60 | 7.459,60 | 8.166,50 | 8.372,70 | | | | | | |
| AATVP 560 (sist 12) | 8.189,70 | 8.251,60 | 8.281,10 | 8.395,60 | 8.503,70 | 8.733,30 | 8.848,70 | 9.193,70 | 9.900,60 | 10.106,90 | | | | | | |
| AATVP 630 (sist 12) | | | 8.725,80 | 8.840,20 | 8.948,30 | 9.178,00 | 9.293,40 | 9.638,30 | 10.345,20 | 10.551,50 | 11.306,80 | 11.867,20 | | | | |
| AATVP 710 (sist 12) | | | | | 10.289,80 | 10.519,50 | 10.634,80 | 10.979,80 | 11.686,80 | 11.893,10 | 12.648,20 | 13.208,80 | 13.806,60 | 16.876,20 | 17.600,10 | |

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|----------------------|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--|
| | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 | |
| AATVP 800 (sist 12) | 12.082,60 | 12.427,60 | 13.134,50 | 13.340,70 | 14.096,00 | 14.656,40 | 15.254,30 | 18.323,80 | 19.047,70 | 21.029,60 | | | | | | |
| AATVP 900 (sist 12) | | 14.631,30 | 15.338,20 | 15.544,50 | 16.299,70 | 16.860,20 | 17.458,10 | 20.527,70 | 21.251,40 | 23.233,40 | 25.346,20 | 26.944,80 | 30.103,40 | | | |
| AATVP 1000 (sist 12) | | | | 18.877,20 | 19.632,40 | 20.192,90 | 20.790,80 | 23.860,30 | 24.584,10 | 26.566,10 | 28.678,90 | 30.277,50 | 33.436,10 | 40.014,80 | | |
| AATVP 1120 (sist 12) | | | | | | 23.967,90 | 24.565,70 | 27.635,30 | 28.359,10 | 30.341,00 | 32.453,90 | 34.052,40 | 37.211,00 | 43.789,70 | 46.710,20 | |

Eex-d

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|---------------------|-----------------------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | |
| AATVP 400 (sist 12) | 5.610,90 | 5.657,60 | 5.684,40 | 5.770,00 | 5.953,20 | | | | | | | | | | | |
| AATVP 450 (sist 12) | 5.867,80 | 5.914,50 | 5.941,40 | 6.026,90 | 6.210,20 | 6.578,60 | 6.780,50 | | | | | | | | | |
| AATVP 500 (sist 12) | 6.680,60 | 6.727,30 | 6.754,10 | 6.839,70 | 7.022,90 | 7.391,30 | 7.593,30 | 8.045,00 | 8.555,60 | 8.977,40 | | | | | | |
| AATVP 560 (sist 12) | 8.414,80 | 8.461,40 | 8.488,20 | 8.573,80 | 8.757,00 | 9.125,50 | 9.327,40 | 9.779,10 | 10.289,80 | 10.711,50 | | | | | | |
| AATVP 630 (sist 12) | | | 8.932,90 | 9.018,50 | 9.201,80 | 9.570,10 | 9.772,10 | 10.223,70 | 10.734,40 | 11.156,20 | 11.775,40 | 12.940,10 | | | | |
| AATVP 710 (sist 12) | | | | | 10.543,20 | 10.911,70 | 11.113,60 | 11.565,20 | 12.076,00 | 12.497,70 | 13.116,90 | 14.281,70 | 14.777,40 | 17.198,30 | 17.821,00 | |

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|----------------------|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--|
| | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 | |
| AATVP 800 (sist 12) | 12.561,30 | 13.013,00 | 13.523,60 | 13.945,40 | 14.564,60 | 15.729,30 | 16.225,20 | 18.646,00 | 19.268,80 | 21.902,50 | | | | | | |
| AATVP 900 (sist 12) | | 15.216,70 | 15.727,30 | 16.149,20 | 16.768,30 | 17.933,00 | 18.428,90 | 20.849,80 | 21.472,50 | 24.106,20 | 26.415,40 | 28.183,10 | 31.649,90 | | | |
| AATVP 1000 (sist 12) | | | | 19.481,80 | 20.101,00 | 21.265,70 | 21.761,60 | 24.182,50 | 24.805,20 | 27.438,90 | 29.748,10 | 31.515,80 | 34.982,50 | 42.153,20 | | |
| AATVP 1120 (sist 12) | | | | | | 25.040,80 | 25.536,60 | 27.957,40 | 28.580,20 | 31.213,80 | 33.523,10 | 35.290,70 | 38.757,50 | 45.928,10 | 49.129,50 | |

AATVM - High pressure belt driven fan for clean or slightly dusty air | Ventilador a transmisión de alta presión para aire limpio o ligeramente polvoriento

Eex-na

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | | |
|---------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 |
| AATVM 350 (sist 12) | 4.563,00 | 4.618,00 | 4.642,90 | 4.712,00 | 4.813,20 | 4.971,60 | 5.075,10 | | | | | | | | | | |
| AATVM 400 (sist 12) | 5.128,60 | 5.183,60 | 5.208,50 | 5.277,70 | 5.378,80 | 5.537,30 | 5.640,80 | 5.836,20 | 6.106,70 | 6.326,60 | | | | | | | |
| AATVM 450 (sist 12) | | 5.608,60 | 5.633,50 | 5.702,60 | 5.803,70 | 5.962,20 | 6.065,60 | 6.261,10 | 6.531,70 | 6.751,60 | | | | | | | |
| AATVM 500 (sist 12) | | | 6.367,20 | 6.436,50 | 6.537,50 | 6.695,90 | 6.799,40 | 6.994,80 | 7.265,50 | 7.485,30 | 8.216,30 | 8.358,20 | 8.686,10 | 9.409,70 | | | |
| AATVM 560 (sist 12) | | | | | 8.476,80 | 8.635,20 | 8.738,60 | 8.934,10 | 9.204,70 | 9.424,60 | 10.155,60 | 10.297,40 | 10.625,40 | 11.349,00 | 11.627,10 | | |
| AATVM 630 (sist 12) | | | | | | | 9.593,40 | 9.788,90 | 10.059,50 | 10.279,40 | 11.010,30 | 11.152,20 | 11.480,10 | 12.203,70 | 12.481,80 | 13.389,80 | 14.184,50 |

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | | |
|----------------------|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--|
| | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 | 110 | |
| AATVM 710 (sist 12) | 11.174,60 | 11.370,10 | 11.640,60 | 11.860,60 | 12.591,50 | 12.733,40 | 13.061,30 | 13.784,90 | 14.063,00 | 14.970,90 | 15.765,60 | 16.246,30 | | | | | |
| AATVM 800 (sist 12) | 13.388,10 | 13.583,70 | 13.854,20 | 14.074,10 | 14.805,10 | 14.947,00 | 15.274,80 | 15.998,40 | 16.276,50 | 17.184,40 | 17.979,20 | 18.459,80 | 19.873,20 | | | | |
| AATVM 900 (sist 12) | | 16.259,20 | 16.529,80 | 16.749,60 | 17.480,60 | 17.622,50 | 17.950,40 | 18.674,00 | 18.952,10 | 19.860,00 | 20.654,80 | 21.135,40 | 22.548,80 | 25.380,50 | 26.070,30 | | |
| AATVM 1000 (sist 12) | | | | 20.687,70 | 21.418,60 | 21.560,50 | 21.888,40 | 22.612,00 | 22.890,10 | 23.798,10 | 24.592,70 | 25.073,40 | 26.486,80 | 29.318,40 | 30.008,30 | 36.486,60 | |

Eex-e

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | | |
|---------------------|-----------------------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 |
| AATVM 350 (sist 12) | 4.689,30 | 4.751,20 | 4.780,70 | 4.895,10 | 5.003,10 | 5.232,90 | 5.348,30 | | | | | | | | | | |
| AATVM 400 (sist 12) | 5.254,90 | 5.316,80 | 5.346,30 | 5.460,80 | 5.568,80 | 5.798,50 | 5.913,90 | 6.258,90 | 6.965,80 | 7.172,00 | | | | | | | |
| AATVM 450 (sist 12) | | 5.741,80 | 5.771,30 | 5.885,60 | 5.993,70 | 6.223,50 | 6.338,80 | 6.683,70 | 7.390,70 | 7.597,00 | | | | | | | |
| AATVM 500 (sist 12) | | | 6.505,00 | 6.619,40 | 6.727,50 | 6.957,20 | 7.072,60 | 7.417,50 | 8.124,40 | 8.330,70 | 9.086,00 | 9.646,40 | 10.244,30 | 13.313,80 | | | |
| AATVM 560 (sist 12) | | | | | 8.666,70 | 8.896,40 | 9.011,80 | 9.356,80 | 10.063,70 | 10.270,00 | 11.025,10 | 11.585,70 | 12.183,60 | 15.253,10 | 15.977,00 | | |
| AATVM 630 (sist 12) | | | | | | | 9.866,60 | 10.211,50 | 10.918,50 | 11.124,80 | 11.879,90 | 12.440,50 | 13.038,30 | 16.107,90 | 16.831,70 | 18.813,60 | 20.926,50 |

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | | |
|----------------------|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--|
| | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 | 110 | |
| AATVM 710 (sist 12) | 11.447,70 | 11.792,70 | 12.499,70 | 12.706,00 | 13.461,10 | 14.021,70 | 14.619,50 | 17.689,10 | 18.412,90 | 20.394,80 | 22.507,60 | 24.106,20 | | | | | |
| AATVM 800 (sist 12) | 13.661,30 | 14.006,20 | 14.713,20 | 14.919,50 | 15.674,70 | 16.235,10 | 16.833,00 | 19.902,60 | 20.626,40 | 22.608,30 | 24.721,20 | 26.319,70 | 29.478,40 | | | | |
| AATVM 900 (sist 12) | | 16.681,80 | 17.388,70 | 17.595,10 | 18.350,20 | 18.910,70 | 19.508,60 | 22.578,20 | 23.302,00 | 25.283,90 | 27.396,80 | 28.995,30 | 32.153,90 | 38.732,60 | 41.653,10 | | |
| AATVM 1000 (sist 12) | | | | 21.533,10 | 22.288,20 | 22.848,80 | 23.446,60 | 26.516,20 | 27.240,00 | 29.221,90 | 31.334,70 | 32.933,30 | 36.091,90 | 42.670,60 | 45.591,00 | 52.564,90 | |

AATVM ATEX - High pressure belt driven fan for clean or slightly dusty air ATEX | Ventilador a transmisión de alta presión para aire limpio o ligeramente polvoriento ATEX
Eex-d

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | | |
|---------------------|-----------------------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 |
| AATVM 350 (sist 12) | 4.914,30 | 4.961,00 | 4.987,80 | 5.073,40 | 5.256,60 | 5.625,00 | 5.826,90 | | | | | | | | | | |
| AATVM 400 (sist 12) | 5.479,90 | 5.526,60 | 5.553,40 | 5.639,00 | 5.822,20 | 6.190,60 | 6.392,60 | 6.844,20 | 7.354,90 | 7.776,70 | | | | | | | |
| AATVM 450 (sist 12) | | 5.951,50 | 5.978,40 | 6.064,00 | 6.247,20 | 6.615,60 | 6.817,50 | 7.269,10 | 7.779,90 | 8.201,70 | | | | | | | |
| AATVM 500 (sist 12) | | | 6.712,20 | 6.797,70 | 6.981,00 | 7.349,30 | 7.551,30 | 8.002,90 | 8.513,60 | 8.935,40 | 9.554,60 | 10.719,30 | 11.215,20 | 13.636,00 | | | |
| AATVM 560 (sist 12) | | | | | 8.920,10 | 9.288,60 | 9.490,50 | 9.942,20 | 10.452,90 | 10.874,60 | 11.493,80 | 12.658,60 | 13.154,40 | 15.575,30 | 16.198,00 | | |
| AATVM 630 (sist 12) | | | | | | | 10.345,20 | 10.796,90 | 11.307,70 | 11.729,40 | 12.348,60 | 13.513,40 | 14.009,10 | 16.430,00 | 17.052,80 | 19.686,40 | 21.995,70 |

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | | |
|----------------------|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--|
| | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 | 110 | |
| AATVM 710 (sist 12) | 11.926,40 | 12.378,10 | 12.888,90 | 13.310,60 | 13.929,80 | 15.094,50 | 15.590,30 | 18.011,20 | 18.633,90 | 21.267,60 | 23.576,90 | 25.344,50 | | | | | |
| AATVM 800 (sist 12) | 14.140,00 | 14.591,60 | 15.102,40 | 15.524,20 | 16.143,30 | 17.308,10 | 17.803,90 | 20.224,70 | 20.847,50 | 23.481,10 | 25.790,40 | 27.558,00 | 31.024,80 | | | | |
| AATVM 900 (sist 12) | | 17.267,20 | 17.777,90 | 18.199,80 | 18.818,90 | 19.983,60 | 20.479,40 | 22.900,30 | 23.523,10 | 26.156,70 | 28.465,90 | 30.233,60 | 33.700,40 | 40.871,00 | 44.072,40 | | |
| AATVM 1000 (sist 12) | | | | 22.137,70 | 22.756,90 | 23.921,60 | 24.417,40 | 26.838,30 | 27.461,00 | 30.094,70 | 32.404,00 | 34.171,70 | 37.638,40 | 44.809,00 | 48.010,30 | 55.659,20 | |

AATVC ATEX - High pressure belt driven fan for clean air ATEX | Ventilador a transmisión de alta presión para aire limpio ATEX
Eex-nA

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|---------------------|-----------------------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | |
| AATVC 500 (sist 12) | 6.280,00 | 6.334,90 | 6.359,90 | 6.429,00 | 6.530,10 | 6.688,60 | 6.792,10 | 6.987,50 | 7.258,00 | | | | | | | |
| AATVC 560 (sist 12) | 8.068,30 | 8.123,30 | 8.148,30 | 8.217,50 | 8.318,50 | 8.477,10 | 8.580,50 | 8.776,00 | 9.046,50 | | | | | | | |
| AATVC 630 (sist 12) | | 8.545,80 | 8.570,70 | 8.640,00 | 8.741,00 | 8.899,60 | 9.002,90 | 9.198,50 | 9.469,00 | 9.688,80 | 10.419,90 | 10.561,80 | | | | |
| AATVC 710 (sist 12) | | | | 12.437,10 | 12.538,20 | 12.696,70 | 12.800,10 | 12.995,60 | 13.266,10 | 13.486,10 | 14.217,10 | 14.358,90 | 14.686,80 | | | |
| AATVC 800 (sist 12) | | | | | 11.540,10 | 11.698,60 | 11.802,10 | 11.997,50 | 12.268,10 | 12.488,00 | 13.219,00 | 13.360,80 | 13.688,80 | 14.412,40 | 14.690,50 | |

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | |
|----------------------|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--|
| | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | |
| AATVC 900 (sist 12) | 13.897,00 | 14.092,60 | 14.363,10 | 14.583,00 | 15.314,00 | 15.455,90 | 15.783,80 | 16.507,40 | 16.785,50 | 17.693,40 | 18.488,10 | | | |
| AATVC 1000 (sist 12) | | | 17.483,30 | 17.703,30 | 18.434,20 | 18.576,10 | 18.904,00 | 19.627,60 | 19.905,70 | 20.813,60 | 21.608,30 | 22.089,00 | 23.502,40 | |

Eex-e

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|---------------------|-----------------------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | |
| AATVC 500 (sist 12) | 6.406,20 | 6.468,10 | 6.497,60 | 6.612,10 | 6.720,20 | 6.949,80 | 7.065,20 | 7.410,20 | 8.117,10 | | | | | | | |
| AATVC 560 (sist 12) | 8.194,70 | 8.256,60 | 8.286,00 | 8.400,50 | 8.508,50 | 8.738,20 | 8.853,60 | 9.198,60 | 9.905,60 | | | | | | | |
| AATVC 630 (sist 12) | | 8.679,10 | 8.708,50 | 8.823,00 | 8.931,00 | 9.160,70 | 9.276,10 | 9.621,00 | 10.328,00 | 10.534,30 | 11.289,50 | 11.849,90 | | | | |
| AATVC 710 (sist 12) | | | | 12.620,20 | 12.728,10 | 12.957,90 | 13.073,20 | 13.418,30 | 14.125,20 | 14.331,40 | 15.086,60 | 15.647,10 | 16.245,00 | | | |
| AATVC 800 (sist 12) | | | | | 11.730,20 | 11.959,80 | 12.075,20 | 12.420,20 | 13.127,10 | 13.333,40 | 14.088,50 | 14.649,10 | 15.247,00 | 18.316,50 | 19.040,40 | |

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | |
|----------------------|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--|
| | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | |
| AATVC 900 (sist 12) | 14.170,20 | 14.515,20 | 15.222,20 | 15.428,40 | 16.183,60 | 16.744,10 | 17.341,90 | 20.411,50 | 21.135,40 | 23.117,20 | 25.230,10 | | | |
| AATVC 1000 (sist 12) | | | 18.342,40 | 18.548,60 | 19.303,80 | 19.864,30 | 20.462,20 | 23.531,80 | 24.255,60 | 26.237,50 | 28.350,30 | 29.948,90 | 33.107,50 | |

Eex-d

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|---------------------|-----------------------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | |
| AATVC 500 (sist 12) | 6.631,20 | 6.677,90 | 6.704,70 | 6.790,30 | 6.973,50 | 7.342,00 | 7.543,90 | 7.995,60 | 8.506,30 | | | | | | | |
| AATVC 560 (sist 12) | 8.419,60 | 8.466,30 | 8.493,20 | 8.578,70 | 8.762,00 | 9.130,40 | 9.332,30 | 9.784,00 | 10.294,70 | | | | | | | |
| AATVC 630 (sist 12) | | 8.888,80 | 8.915,70 | 9.001,20 | 9.184,50 | 9.552,80 | 9.754,80 | 10.206,40 | 10.717,20 | 11.139,00 | 11.758,10 | 12.922,80 | | | | |
| AATVC 710 (sist 12) | | | | 12.798,40 | 12.981,60 | 13.350,10 | 13.552,00 | 14.003,70 | 14.514,30 | 14.936,10 | 15.555,20 | 16.720,00 | 17.215,80 | | | |
| AATVC 800 (sist 12) | | | | | 11.983,50 | 12.352,00 | 12.553,90 | 13.005,60 | 13.516,30 | 13.938,00 | 14.557,30 | 15.722,00 | 16.217,80 | 18.638,70 | 19.261,50 | |

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | |
|----------------------|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--|
| | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | |
| AATVC 900 (sist 12) | 14.648,90 | 15.100,50 | 15.611,30 | 16.033,10 | 16.652,20 | 17.817,00 | 18.312,80 | 20.733,60 | 21.356,40 | 23.990,20 | 26.299,40 | | | |
| AATVC 1000 (sist 12) | | | 18.731,50 | 19.153,30 | 19.772,40 | 20.937,20 | 21.433,00 | 23.853,90 | 24.476,60 | 27.110,40 | 29.419,60 | 31.187,20 | 34.654,00 | |

AATVG ATEX - High pressure belt driven fan for clean air ATEX | Ventilador a transmisión de alta presión para aire limpio ATEX
Eex-nA

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|-----------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 |
| AATVG/N 450 (sist 12) | 5.909,40 | 5.964,40 | 5.989,30 | 6.058,50 | 6.159,50 | 6.318,10 | 6.421,50 | 6.617,00 | 6.887,50 | 7.107,40 | | | | | | |
| AATVG/N 500 (sist 12) | | 6.792,00 | 6.816,90 | 6.886,10 | 6.987,10 | 7.145,60 | 7.249,00 | 7.444,50 | 7.715,10 | 7.935,00 | 8.666,00 | 8.807,90 | 9.135,70 | | | |
| AATVG/N 560 (sist 12) | | | | 8.580,70 | 8.681,70 | 8.840,20 | 8.943,60 | 9.139,20 | 9.409,70 | 9.629,60 | 10.360,60 | 10.502,50 | 10.830,30 | 11.554,00 | | |
| AATVG/N 630 (sist 12) | | | | | | 9.677,80 | 9.781,20 | 9.976,70 | 10.247,20 | 10.467,10 | 11.198,10 | 11.340,00 | 11.667,90 | 12.391,40 | 12.669,50 | 13.577,40 |

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|------------------------|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--|
| | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 | |
| AATVG/N 710 (sist 12) | 11.231,40 | 11.426,90 | 11.697,50 | 11.917,40 | 12.648,30 | 12.790,20 | 13.118,10 | 13.841,70 | 14.119,80 | 15.027,70 | 15.822,50 | 16.303,10 | | | | |
| AATVG/N 800 (sist 12) | | | 14.083,90 | 14.303,80 | 15.034,80 | 15.176,60 | 15.504,60 | 16.228,20 | 16.506,30 | 17.414,20 | 18.209,00 | 18.689,50 | 20.102,90 | | | |
| AATVG/N 900 (sist 12) | | | | 17.026,30 | 17.757,30 | 17.899,20 | 18.227,10 | 18.950,60 | 19.228,70 | 20.136,60 | 20.931,40 | 21.412,00 | 22.825,50 | 25.657,10 | 26.347,00 | |
| AATVG/N 1000 (sist 12) | | | | | | | 22.155,20 | 22.878,90 | 23.157,00 | 24.064,90 | 24.859,60 | 25.340,20 | 26.753,60 | 29.585,30 | 30.275,10 | |

Eex-e

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|-----------------------|-----------------------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 |
| AATVG/N 450 (sist 12) | 6.035,70 | 6.097,60 | 6.127,10 | 6.241,60 | 6.349,50 | 6.579,30 | 6.694,60 | 7.039,70 | 7.746,60 | 7.952,80 | | | | | | |
| AATVG/N 500 (sist 12) | | 6.925,20 | 6.954,70 | 7.069,10 | 7.177,10 | 7.406,90 | 7.522,20 | 7.867,10 | 8.574,10 | 8.780,40 | 9.535,60 | 10.096,10 | 10.693,90 | | | |
| AATVG/N 560 (sist 12) | | | | 8.763,70 | 8.871,70 | 9.101,50 | 9.216,80 | 9.561,70 | 10.268,80 | 10.475,00 | 11.230,20 | 11.790,70 | 12.388,50 | 15.458,10 | | |
| AATVG/N 630 (sist 12) | | | | | | 9.938,90 | 10.054,30 | 10.399,30 | 11.106,20 | 11.312,60 | 12.067,70 | 12.628,10 | 13.226,10 | 16.295,70 | 17.019,40 | 19.001,40 |

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|------------------------|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--|
| | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 | |
| AATVG/N 710 (sist 12) | 11.504,50 | 11.849,50 | 12.556,50 | 12.762,80 | 13.517,90 | 14.078,50 | 14.676,30 | 17.745,90 | 18.469,70 | 20.451,60 | 22.564,40 | 24.163,00 | | | | |
| AATVG/N 800 (sist 12) | | | 14.942,90 | 15.149,20 | 15.904,30 | 16.464,90 | 17.062,80 | 20.132,30 | 20.856,20 | 22.838,10 | 24.951,00 | 26.549,50 | 29.708,10 | | | |
| AATVG/N 900 (sist 12) | | | | 17.871,70 | 18.626,90 | 19.187,30 | 19.785,30 | 22.854,80 | 23.578,60 | 25.560,60 | 27.673,40 | 29.272,00 | 32.430,60 | 39.009,30 | 41.929,70 | |
| AATVG/N 1000 (sist 12) | | | | | | | 23.713,40 | 26.783,00 | 27.506,90 | 29.488,70 | 31.601,60 | 33.200,10 | 36.358,70 | 42.937,40 | 45.857,80 | |

Eex-d

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|-----------------------|-----------------------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 |
| AATVG/N 450 (sist 12) | 6.260,70 | 6.307,40 | 6.334,20 | 6.419,80 | 6.603,00 | 6.971,40 | 7.173,40 | 7.625,10 | 8.135,70 | 8.557,50 | | | | | | |
| AATVG/N 500 (sist 12) | | 7.135,00 | 7.161,80 | 7.247,40 | 7.430,60 | 7.799,00 | 8.001,00 | 8.452,50 | 8.963,30 | 9.385,10 | 10.004,20 | 11.169,00 | 11.664,80 | | | |
| AATVG/N 560 (sist 12) | | | | 8.942,00 | 9.125,20 | 9.493,60 | 9.695,60 | 10.147,10 | 10.657,90 | 11.079,70 | 11.698,80 | 12.863,60 | 13.359,40 | 15.780,20 | | |
| AATVG/N 630 (sist 12) | | | | | | 10.331,10 | 10.533,00 | 10.984,70 | 11.495,40 | 11.917,20 | 12.536,30 | 13.701,00 | 14.196,90 | 16.617,80 | 17.240,50 | 19.874,20 |

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|------------------------|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--|
| | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 | |
| AATVG/N 710 (sist 12) | 11.983,20 | 12.434,90 | 12.945,70 | 13.367,40 | 13.986,60 | 15.151,40 | 15.647,10 | 18.068,00 | 18.690,80 | 21.324,40 | 23.633,70 | 25.401,30 | | | | |
| AATVG/N 800 (sist 12) | | | 15.332,10 | 15.753,80 | 16.373,10 | 17.537,80 | 18.033,60 | 20.454,50 | 21.077,20 | 23.710,90 | 26.020,10 | 27.787,80 | 31.254,50 | | | |
| AATVG/N 900 (sist 12) | | | | 18.476,30 | 19.095,50 | 20.260,20 | 20.756,10 | 23.177,00 | 23.799,70 | 26.433,40 | 28.742,60 | 30.510,20 | 33.977,10 | 41.147,70 | 44.349,00 | |
| AATVG/N 1000 (sist 12) | | | | | | | 24.684,20 | 27.105,10 | 27.727,90 | 30.361,60 | 32.670,80 | 34.438,50 | 37.905,20 | 45.075,80 | 48.277,20 | |

AATZA ATEX - High pressure belt driven fan for transporting solid material ATEX | Ventilador a transmisión de alta presión para transporte de material sólido ATEX
Eex-nA

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | | |
|----------------------|-----------------------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 | |
| AATZA 400 (sist 12) | 5.289,30 | 5.344,20 | 5.369,30 | 5.438,40 | 5.539,40 | 5.698,00 | 5.801,40 | 5.996,90 | | | | | | | | |
| AATZA 450 (sist 12) | 5.521,50 | 5.576,50 | 5.601,40 | 5.670,60 | 5.771,60 | 5.930,10 | 6.033,50 | 6.229,00 | 6.499,60 | | | | | | | |
| AATZA 500 (sist 12) | 6.210,80 | 6.265,80 | 6.290,70 | 6.359,90 | 6.460,90 | 6.619,40 | 6.722,80 | 6.918,40 | 7.188,90 | | | | | | | |
| AATZA 560 (sist 12) | | 7.639,10 | 7.664,10 | 7.733,30 | 7.834,30 | 7.992,80 | 8.096,30 | 8.291,70 | 8.562,20 | 8.782,20 | | | | | | |
| AATZA 630 (sist 12) | | | | 8.402,80 | 8.503,80 | 8.662,30 | 8.765,70 | 8.961,20 | 9.231,80 | 9.451,70 | 10.182,60 | | | | | |
| AATZA 710 (sist 12) | | | | 9.838,20 | 9.939,20 | 10.097,80 | 10.201,20 | 10.396,70 | 10.667,20 | 10.887,20 | 11.618,10 | 11.760,00 | | | | |
| AATZA 800 (sist 12) | | | | 11.369,90 | 11.470,90 | 11.629,50 | 11.732,90 | 11.928,40 | 12.198,90 | 12.418,90 | 13.149,80 | 13.291,70 | 13.619,60 | | | |
| AATZA 900 (sist 12) | | | | | | 14.492,80 | 14.596,20 | 14.791,70 | 15.062,30 | 15.282,10 | 16.013,10 | 16.155,00 | 16.482,90 | 17.206,50 | | |
| AATZA 1000 (sist 12) | | | | | | | 19.216,00 | 19.411,50 | 19.682,10 | 19.902,00 | 20.632,90 | 20.774,80 | 21.102,70 | 21.826,30 | 22.104,40 | |

Eex-e

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | |
|----------------------|-----------------------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 |
| AATZA 400 (sist 12) | 5.415,60 | 5.477,50 | 5.506,90 | 5.621,40 | 5.729,40 | 5.959,10 | 6.074,50 | 6.419,50 | | | | | | | |
| AATZA 450 (sist 12) | 5.647,80 | 5.709,70 | 5.739,20 | 5.853,50 | 5.961,60 | 6.191,40 | 6.306,70 | 6.651,60 | 7.358,60 | | | | | | |
| AATZA 500 (sist 12) | 6.337,10 | 6.399,00 | 6.428,40 | 6.542,90 | 6.650,90 | 6.880,70 | 6.996,00 | 7.340,90 | 8.048,00 | | | | | | |
| AATZA 560 (sist 12) | | 7.772,30 | 7.801,80 | 7.916,30 | 8.024,40 | 8.254,00 | 8.369,40 | 8.714,40 | 9.421,30 | 9.627,60 | | | | | |
| AATZA 630 (sist 12) | | | | 8.585,70 | 8.693,80 | 8.923,50 | 9.038,90 | 9.383,80 | 10.090,80 | 10.297,10 | 11.052,20 | | | | |
| AATZA 710 (sist 12) | | | | 10.021,20 | 10.129,20 | 10.358,90 | 10.474,30 | 10.819,30 | 11.526,30 | 11.732,60 | 12.487,70 | 13.048,20 | | | |
| AATZA 800 (sist 12) | | | | 11.552,90 | 11.660,90 | 11.890,60 | 12.006,00 | 12.351,00 | 13.058,00 | 13.264,20 | 14.019,40 | 14.579,90 | 15.177,80 | | |
| AATZA 900 (sist 12) | | | | | | 14.753,90 | 14.869,30 | 15.214,30 | 15.921,30 | 16.127,60 | 16.882,70 | 17.443,20 | 18.041,10 | 21.110,70 | |
| AATZA 1000 (sist 12) | | | | | | | 19.489,20 | 19.834,10 | 20.541,10 | 20.747,40 | 21.502,50 | 22.063,00 | 22.660,90 | 25.730,50 | 26.454,30 |

Eex-d

| Model Modelo | Power Potencia (kW) | | | | | | | | | | | | | | |
|----------------------|-----------------------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0,37 | 0,55 | 0,75 | 1,1 | 1,5 | 2,2 | 3 | 4 | 5,5 | 7,5 | 9,2 | 11 | 15 | 18,5 | 22 |
| AATZA 400 (sist 12) | 5.640,50 | 5.687,20 | 5.714,10 | 5.799,60 | 5.982,90 | 6.351,30 | 6.553,20 | 7.004,90 | | | | | | | |
| AATZA 450 (sist 12) | 5.872,80 | 5.919,40 | 5.946,30 | 6.031,90 | 6.215,10 | 6.583,50 | 6.785,50 | 7.237,00 | 7.747,80 | | | | | | |
| AATZA 500 (sist 12) | 6.562,10 | 6.608,70 | 6.635,60 | 6.721,20 | 6.904,40 | 7.272,80 | 7.474,80 | 7.926,30 | 8.437,10 | | | | | | |
| AATZA 560 (sist 12) | | 7.982,10 | 8.008,90 | 8.094,50 | 8.277,80 | 8.646,20 | 8.848,10 | 9.299,80 | 9.810,50 | 10.232,20 | | | | | |
| AATZA 630 (sist 12) | | | | 8.764,10 | 8.947,30 | 9.315,70 | 9.517,50 | 9.969,20 | 10.480,00 | 10.901,80 | 11.520,90 | | | | |
| AATZA 710 (sist 12) | | | | 10.199,40 | 10.382,70 | 10.751,10 | 10.953,00 | 11.404,70 | 11.915,40 | 12.337,20 | 12.956,30 | 14.121,10 | | | |
| AATZA 800 (sist 12) | | | | 11.731,20 | 11.914,40 | 12.282,90 | 12.484,70 | 12.936,40 | 13.447,10 | 13.868,90 | 14.488,00 | 15.652,80 | 16.148,60 | | |
| AATZA 900 (sist 12) | | | | | | 15.146,10 | 15.348,00 | 15.799,70 | 16.310,50 | 16.732,20 | 17.351,40 | 18.516,20 | 19.011,90 | 21.432,80 | |
| AATZA 1000 (sist 12) | | | | | | | 19.967,80 | 20.419,50 | 20.930,30 | 21.352,10 | 21.971,20 | 23.136,00 | 23.631,70 | 26.052,60 | 26.675,40 |



Residential

Residencial



LÍDERO



DESIGN BY: DANIEL PIVA


 automatic back draught shutter
persiana automática antirretorno

Extractor with automatic back draught shutter for wall and ceiling installation
Extractor con persiana automática antirretorno para instalación en pared y techo
MANUFACTURING FEATURES

- Extractor for wall or ceiling installation with automatic non-return back draught shutter to prevent the entry of unwanted or contaminating air. High airflow rate, low operating noise level and low power consumption due to the wing profile blade and motor support.
- Housing and impeller made of UV-resistant ABS plastic (prevents aging caused by exposure to sunlight). Self-lubricated bushings motor protected against thermal overload.
- Maximum working temperature in continuous: 50°C.
- IPX4 protection. IMQ Safety certificate to guaranty the electromechanical compatibility.
- Options:
 - Basic "without automatic back draught shutter"
 - Automatic back draught shutter (B)
 - Humidity sensor (HR) and timer (T)
 - Motion sensor (Motion)

APLICACIONES

- For intermittent or continuous ventilation in bathrooms, toilets, kitchens, dining rooms, living rooms, domestic and commercial spaces. To be installed in ventilation ducts. Compatible with 100, 125 and 150 air ducts.

CARACTERÍSTICAS CONSTRUCTIVAS

- Extractor para instalación en pared o techo con persiana automática antirretorno para evitar la entrada de aire no deseado o contaminante. Alto rango de flujos de aire, bajo nivel sonoro de operación y bajo consumo de energía debido a las palas de perfil optimizado en forma de ala y al soporte del motor.
- Carcasa y hélice de plástico ABS resistente a los rayos UV (evita el envejecimiento causado por la exposición a la luz solar). Motor de rodamientos de fricción auto lubricados protegido contra la sobrecarga térmica.
- Temperatura máxima de trabajo en continuo: 50°C.
- Protección IPX4. Certificado IMQ Safety para garantizar la compatibilidad electromagnética.
- Opciones:
 - Básico "sin persiana automática antirretorno"
 - Persiana automática antirretorno (B)
 - Sensor de humedad (HR) y temporizador (T)
 - Sensor de presencia (Motion)

APLICACIONES

- Para ventilación intermitente o continuada en baños, aseos, cocinas, comedores, salas de estar, espacios domésticos y comerciales. Para ser instalado en conducto de ventilación. Compatible con conductos de 100, 125 y 150.

| Code | Model | Voltage (V) | Rated R.P.M | Rated I (A) 230V | Rated Power W | Air flow m³/h | Pressure (Pa) | Sound dB (A) 3mm | Weight Kg | R.R.P. € |
|------------|---------------------|-------------|-------------|--------------------|---------------|---------------|---------------|-------------------|-----------|----------|
| Código | Modelo | Voltaje (V) | R.P.M.nom. | I nominal (A) 230V | P. Nom. W | Q máx. m³/h | Presión (Pa) | Sonido dB (A) 3mm | Peso Kg | P.V.P. € |
| LID100 | LÍDERO 100 | 230-240 | 2300 | 0,1 | 18 | 90 | 29 | 37,5 | 0,6 | 23,10 |
| LID100B | LÍDERO 100 B | 230-240 | 2300 | 0,1 | 18 | 90 | 29 | 37,5 | 0,6 | 34,10 |
| LID100BTHR | LÍDERO 100 B T HR | 220-240 | 2300 | 0,1 | 18 | 90 | 29 | 37,5 | 0,6 | 75,50 |
| LID100BM | LÍDERO 100 B Motion | 220-240 | 2300 | 0,1 | 18 | 90 | 29 | 37,5 | 0,6 | 73,60 |
| LID120 | LÍDERO 120 | 220-240 | 2100 | 0,12 | 20 | 175 | 44 | 39,5 | 0,8 | 29,10 |
| LID120B | LÍDERO 120 B | 220-240 | 2100 | 0,12 | 20 | 175 | 44 | 39,5 | 0,8 | 39,20 |
| LID120BTHR | LÍDERO 120 B T HR | 220-240 | 2100 | 0,12 | 20 | 175 | 44 | 39,5 | 0,8 | 66,80 |
| LID120BM | LÍDERO 120 B Motion | 220-240 | 2100 | 0,12 | 20 | 175 | 44 | 39,5 | 0,8 | 74,50 |
| LID150 | LÍDERO 150 | 220-240 | 2100 | 0,15 | 30 | 335 | 59 | 46 | 1,1 | 37,20 |
| LID150B | LÍDERO 150 B | 220-240 | 2100 | 0,15 | 30 | 335 | 59 | 46 | 1,1 | 49,20 |
| LID150BTHR | LÍDERO 150 B T HR | 220-240 | 2100 | 0,15 | 30 | 335 | 59 | 46 | 1,1 | 74,50 |
| LID150BM | LÍDERO 150 B Motion | 220-240 | 2100 | 0,15 | 30 | 335 | 59 | 46 | 1,1 | 87,30 |

IKHUNA

Extractor fan with automatic back draught shutter for window installation
Extractor con persiana automática antirretorno para instalación en ventanas


DESIGN BY: DANIEL PIVA


 automatic back draught shutter
persiana automática antirretorno

MANUFACTURING FEATURES

- Extractor for window installation with automatic non-return back draught shutter to prevent the entry of unwanted or contaminating air. High airflow rate, low operating noise level and low power consumption due to the wing profile blade and motor support.
- Housing and impeller made of UV-resistant ABS plastic (prevents aging caused by exposure to sunlight). Self-lubricated bushings motor protected against thermal overload.
- Maximum working temperature in continuous: 50°C.
- IPX4 protection. IMQ Safety certificate to guaranty the electromechanical compatibility.
- Options:
 - Basic "without automatic back draught shutter"
 - Automatic back draught shutter (B)
 - Humidity sensor (HR) and timer (T)
 - Motion sensor (Motion)

APLICACIONES

- For intermittent or continuous ventilation in bathrooms, toilets, kitchens, dining rooms, living rooms, domestic and commercial spaces.
- Designed to be installed in any type of window.

CARACTERÍSTICAS CONSTRUCTIVAS

- Extractor para instalación en ventanas con persiana automática antirretorno para evitar la entrada de aire no deseado o contaminante. Alto rango de flujos de aire, bajo nivel sonoro de operación y bajo consumo de energía debido a las palas de perfil optimizado en forma de ala y al soporte del motor.
- Carcasa y hélice de plástico ABS resistente a los rayos UV una máxima de trabajo en continuo: 50°C.
- Protección IPX4. Certificado IMQ Safety para garantizar la compatibilidad electromagnética.
- Opciones:
 - Básico "sin persiana automática antirretorno"
 - Persiana automática antirretorno (B)
 - Sensor de humedad (HR) y temporizador (T)
 - Sensor de presencia (Motion)

APLICACIONES

- Para ventilación intermitente o continuada en baños, aseos, cocinas, comedores, salas de estar, espacios domésticos y comerciales.
- Diseñado para ser instalado en cualquier tipo de ventana.

| Code | Model | Voltage (V) | Rated R.P.M | Rated I (A) 230V | Rated Power W | Air flow m³/h | Pressure (Pa) | Sound dB (A) 3mm | Weight Kg | R.R.P. € |
|------------|---------------------|-------------|-------------|--------------------|---------------|---------------|---------------|-------------------|-----------|----------|
| Código | Modelo | Voltaje (V) | R.P.M.nom. | I nominal (A) 230V | P. Nom. W | Q máx. m³/h | Presión (Pa) | Sonido dB (A) 3mm | Peso Kg | P.V.P. € |
| IKH100 | IKHUNA 100 | 230-240 | 2300 | 0,1 | 18 | 90 | 29 | 37,5 | 1,45 | 42,00 |
| IKH100B | IKHUNA 100 B | 230-240 | 2300 | 0,1 | 18 | 90 | 29 | 37,5 | 1,45 | 55,00 |
| IKH100BTHR | IKHUNA 100 B T HR | 220-240 | 2300 | 0,1 | 18 | 90 | 29 | 37,5 | 1,45 | 104,00 |
| IKH100BM | IKHUNA 100 B Motion | 220-240 | 2300 | 0,1 | 18 | 90 | 29 | 37,5 | 1,45 | 101,80 |
| IKH120 | IKHUNA 120 | 220-240 | 2100 | 0,12 | 20 | 175 | 44 | 39,5 | 2 | 51,00 |
| IKH120B | IKHUNA 120 B | 220-240 | 2100 | 0,12 | 20 | 175 | 44 | 39,5 | 2 | 62,90 |
| IKH120BTHR | IKHUNA 120 B T HR | 220-240 | 2100 | 0,12 | 20 | 175 | 44 | 39,5 | 2 | 95,50 |
| IKH120BM | IKHUNA 120 B Motion | 220-240 | 2100 | 0,12 | 20 | 175 | 44 | 39,5 | 2 | 104,60 |
| IKH150 | IKHUNA 150 | 220-240 | 2100 | 0,15 | 30 | 335 | 59 | 46 | 2,66 | 64,60 |
| IKH150B | IKHUNA 150 B | 220-240 | 2100 | 0,15 | 30 | 335 | 59 | 46 | 2,66 | 78,70 |
| IKH150BTHR | IKHUNA 150 B T HR | 220-240 | 2100 | 0,15 | 30 | 335 | 59 | 46 | 2,66 | 112,70 |
| IKH150BM | IKHUNA 150 B Motion | 220-240 | 2100 | 0,15 | 30 | 335 | 59 | 46 | 2,66 | 127,90 |

KUBALIK

High airflow rate and silent reversible extractor with automatic back draught shutter for window or wall installation

Extractor reversible de gran caudal y silencioso con persiana automática antirretorno para ventana o pared



automatic back draught shutter
persiana automática antirretorno



MANUFACTURING FEATURES

- Reversible, high-flow rate and silent extractor with automatic non-return back draught shutter to prevent the entry of unwanted or contaminant air. It can be installed in a window or wall. Being reversible you can choose if you want to provide air in a room or remove it. KUBALIK extractors are carefully designed to provide low environmental impact, using recyclable materials.
- Housing and impeller made of UV-resistant ABS plastic (prevents aging caused by exposure to sunlight). The internal components are made of impact resistant PS. Self-lubricated bushings motor protected against thermal overload.
- Easy and fast installation thanks to its innovative design.
- Maximum working temperature in continuous: 50°C.
- IPX4 protection. IMQ Safety certificate to guaranty the electromechanical compatibility.

APPLICATIONS

- Applicable to domestic spaces such as kitchens, dining rooms, laundry rooms, bathrooms, etc. But also, in commercial environments such as shops, bars, cafes, gyms, restaurants, offices, schools, etc.
- Designed to be installed in any type of window.

CARACTERÍSTICAS CONSTRUCTIVAS

- Extractor reversible de gran caudal y silencioso con persiana automática antirretorno para evitar la entrada de aire no deseado o contaminante instalable en ventana o en pared. Al ser reversible puede escoger si desea aportar aire en una sala o extraerlo. Los extractores KUBALIK están cuidadosamente diseñados para proporcionar un bajo impacto ambiental, utilizando materiales reciclables.
- Carcasa y hélice de plástico ABS resistente a los rayos UV (evita el envejecimiento causado por la exposición a la luz solar). Los componentes internos están fabricados en PS resistente a impactos. Motor de rodamientos de fricción auto lubricados protegido contra la sobrecarga térmica.
- Fácil y rápida instalación gracias a su novedoso diseño.
- Temperatura máxima de trabajo en continuo: 50°C.
- Protección IPX4. Certificado IMQ Safety para garantizar la compatibilidad electromagnética.

APLICACIONES

- Aplicable a espacios domésticos como cocinas, comedores, lavaderos, baños, etc. Pero también en entornos comerciales como tiendas, bares, cafeterías, gimnasios, restaurantes, oficinas, escuelas, etc.
- Diseñado para ser instalado en cualquier tipo de ventana y pared.

| Code | Model | Voltage (V) | Rat. R.P.M | | Rated I (A) 230V | Rat. Power W | Air flow m³/h | | Pressure (Pa) | Sound dB (A) 3mm | Weight Kg | R.R.P. € |
|--------|-------------|-------------|------------|--------|---------------------|-----------------|---------------|--------|------------------|---------------------|-----------|----------|
| | | | Extraction | Supply | | | Extraction | Supply | | | | |
| KUB150 | KUBALIK 150 | 220-240 | 1340 | 2040 | 0,11 | 25 | 235 | 150 | 24 | 37,5 | 2,07 | 93,10 |
| KUB230 | KUBALIK 230 | 220-240 | 790 | 1080 | 0,13 | 26 | 480 | 310 | 20 | 35,6 | 3,45 | 126,70 |
| KUB300 | KUBALIK 300 | 220-240 | 840 | 1085 | 0,21 | 45 | 1050 | 700 | 28 | 40,2 | 6,13 | 190,10 |

ERELIS

Ultra-quiet and slim extractor with back draught damper for ceiling and wall installation

Extractor ultra silencioso y delgado con compuerta antirretorno para instalación en pared o techo



back draught damper
compuerta antirretorno



MANUFACTURING FEATURES

- Ultra-quiet extractor for wall or ceiling installation with non-return damper to prevent the entry of unwanted or contaminating air. Eco-Friendly product manufactured with some recycled materials. Modern design with an ultra-thin 17mm thick front panel so that it does not come out when installed, which makes it a compact extractor ideal for short ducts (ideal for false ceilings and plasterboard). Very easy installation. Thanks to its impeller and motor anchor design with integrated deflectors we achieve very low sound levels with high airflows.
- Housing and impeller made of UV-resistant ABS plastic (prevents aging caused by exposure to sunlight). Self-lubricated bushings motor protected against thermal overload.
- Maximum working temperature in continuous: 50°C.
- IPX4 protection. IMQ Safety certificate to guaranty the electromechanical compatibility.
- Options:
 - Basic
 - Timer (T)
 - Humidity sensor (HR) and timer (T)
 - Motion sensor (Motion)

APPLICATIONS

- Ideal for ventilation of small and medium spaces of domestic and commercial buildings.
- Installation in ventilation ducts Ø100, 125 and 150.

CARACTERÍSTICAS CONSTRUCTIVAS

- Extractor ultra silencioso para instalación en pared o techo con compuerta antirretorno para evitar la entrada de aire no deseado o contaminante. Producto Eco-Friendly fabricado con algunos materiales reciclados. Diseño moderno y con panel frontal ultrafino de 17mm de grosor para que no sobresalga al ser instalado que lo hace un extractor compacto ideal para conductos cortos (idóneo para falsos techos y pladur). De muy fácil instalación. Gracias a su diseño de hélice y anclaje de motor con deflectores integrados logramos unos niveles sonoros muy bajos.
- Carcasa y hélice de plástico ABS resistente a los rayos UV (evita el envejecimiento causado por la exposición a la luz solar). Motor de rodamientos de fricción auto lubricados protegido contra la sobrecarga térmica.
- Temperatura máxima de trabajo en continuo: 50°C.
- Protección IPX4. Certificado IMQ Safety para garantizar la compatibilidad electromagnética.
- Opciones:
 - Básico
 - Temporizador (T)
 - Sensor de humedad (HR) y temporizador (T)
 - Sensor de presencia (Motion)

APLICACIONES

- Ideal para ventilación de espacios pequeños y medianos de entornos domésticos y comerciales.
- Para instalar en conducto de ventilación Ø100, 125 y 150.

| Code | Model | Voltage (V) | Rated R.P.M | Rated I (A) 230V | Rated Power W | Air flow m³/h | Pressure (Pa) | Sound dB (A) 3mm | Weight Kg | R.R.P. € |
|-----------|-------------------|-------------|-------------|------------------|---------------|---------------|---------------|------------------|-----------|----------|
| ERE100 | ERELIS 100 | 220-240 | 2400 | 0,09 | 15 | 85 | 29 | 31 | 0,51 | 30,20 |
| ERE100T | ERELIS 100 T | 220-240 | 2400 | 0,09 | 15 | 85 | 29 | 31 | 0,51 | 40,70 |
| ERE100THR | ERELIS 100 T HR | 220-240 | 2400 | 0,09 | 15 | 85 | 29 | 31 | 0,52 | 56,70 |
| ERE100M | ERELIS 100 Motion | 220-240 | 2400 | 0,09 | 15 | 85 | 29 | 31 | 0,51 | 57,80 |
| ERE120 | ERELIS 120 | 220-240 | 2150 | 0,12 | 20 | 175 | 49 | 34,4 | 0,61 | 39,00 |
| ERE120T | ERELIS 120 T | 220-240 | 2150 | 0,12 | 20 | 175 | 49 | 34,4 | 0,61 | 49,60 |
| ERE120THR | ERELIS 120 T HR | 220-240 | 2150 | 0,12 | 20 | 175 | 49 | 34,4 | 0,62 | 65,20 |
| ERE120M | ERELIS 120 Motion | 220-240 | 2150 | 0,12 | 20 | 175 | 49 | 34,4 | 0,61 | 66,30 |
| ERE150 | ERELIS 150 | 220-240 | 2100 | 0,15 | 28 | 335 | 59 | 40,1 | 0,97 | 43,50 |
| ERE150T | ERELIS 150 T | 220-240 | 2100 | 0,15 | 28 | 335 | 59 | 40,1 | 0,97 | 53,90 |
| ERE150THR | ERELIS 150 T HR | 220-240 | 2100 | 0,15 | 28 | 335 | 59 | 40,1 | 0,98 | 72,50 |
| ERE150M | ERELIS 150 Motion | 220-240 | 2100 | 0,15 | 28 | 335 | 59 | 40,1 | 0,97 | 73,90 |

TEKSTÜR

High-end extractor with timer and back draught damper for ceiling and wall installation
Extractor de alta gama con temporizador y compuerta antirretorno para instalación en pared o techo

 back draught damper
compuerta antirretorno

MANUFACTURING FEATURES

- High-end design extractor according to European industrial fashion canons with a smooth double textured front panel. By not carrying a grid and having a double textured shell, dust and dirt particles do not adhere easily, making it easier to clean the extractor. For wall or ceiling installation.
- High airflow rate, low noise level of operation and low energy consumption due to optimized wing-shaped profile blades and motor support designed to favor the passage of extracting air flow.
- Housing and impeller made of UV-resistant ABS plastic (prevents aging caused by exposure to sunlight). Self-lubricated bushings motor protected against thermal overload.
- Maximum working temperature in continuous: 50°C.
- IPX4 protection. IMQ Safety certificate to guaranty the electromechanical compatibility.

APPLICATIONS

- Ideal for living rooms, bathrooms, and any design "high-end" space where the fan goes unnoticed by its nice modern design.
- To be installed in ventilation ducts. Compatible with 100 and 125 air ducts.

CARACTERÍSTICAS CONSTRUCTIVAS

- Extractor de diseño estético acorde a los cánones de moda industrial europeos con panel frontal liso de doble textura. Al no llevar rejilla y tener una carcasa de doble textura las partículas de polvo y suciedad no se adhieren fácilmente, facilitando el limpieza del extractor. Para instalación en pared o techo.
- Alto rango de flujos de aire, bajo nivel sonoro de operación y bajo consumo de energía debido a las palas de perfil optimizado en forma de ala y al soporte del motor diseñado para favorecer el paso del flujo de aire en extracción.
- Carcasa y hélice de plástico ABS resistente a los rayos UV (evita el envejecimiento causado por la exposición a la luz solar). Motor de rodamientos de fricción auto lubricados protegido contra la sobrecarga térmica.
- Incluye temporizador electrónico para ajustar el funcionamiento automático según se desee entre 3 y 20 minutos.
- Con compuerta antirretorno para evitar la entrada de aire no deseado o contaminante.
- Temperatura máxima de trabajo en continuo: 50°C.
- Protección IPX4. Certificado IMQ Safety para garantizar la compatibilidad electromagnética.

APLICACIONES

- Ideal para salones, baños, y cualquier espacio de diseño donde el ventilador pasa desapercibido por su cuidada estética.
- Para ser instalado en conducto de ventilación. Compatible con conductos de 100 y 125.

| Code | Model | Voltage (V) | Rat. R.P.M | Rated I (A) 230V | Rat. Power W | Air flow m³/h | Pressure (Pa) | Sound dB (A) 3mm | Weight Kg | R.R.P € |
|----------|---------------|-------------|------------|--------------------|--------------|---------------|---------------|-------------------|-----------|---------|
| Código | Modelo | Voltaje (V) | R.P.M.nom. | I nominal (A) 230V | P. Nom. W | Q máx. m³/h | Presión (Pa) | Sonido dB (A) 3mm | Peso Kg | P.V.P € |
| TEKS100T | TEKSTÜR 100 T | 220-240 | 2400 | 0,09 | 15 | 85 | 29 | 33,1 | 0,575 | 43,90 |
| TEKS120T | TEKSTÜR 120 T | 220-240 | 2240 | 0,12 | 20 | 175 | 49 | 39,1 | 0,8 | 51,80 |

TEKSTÜR PLUS

High-end extractor with long life bearings and automatic back draught damper for ceiling and wall installation
Extractor de alta gama con rodamientos de larga duración y compuerta automática antirretorno para pared o techo

 automatic back draught damper
compuerta automática antirretorno

MANUFACTURING FEATURES

- High-end design extractor according to European industrial fashion canons with a smooth double textured front panel. By not carrying a grid and having a double textured shell, dust and dirt particles do not adhere easily, making it easier to clean the extractor. TEKSTÜR PLUS extractors are carefully designed to provide low environmental impact, using recyclable materials.
- Motor with long-life ball bearings that guarantee more than 30,000 hours of use and protected against thermal overload. Impact resistant and UV resistant thermoplastic ABS housing (prevents aging caused by exposure to sunlight). PP resin helico-centrifugal mixed-flow impellers. Equipped with a butterfly-shaped automatic non-return back draught damper carefully designed to prevent the return of dirty air or contaminants when the extractor is off.
- The helico-centrifugal impeller and motor supports have been specially designed to guarantee a high efficiency performance, low energy consumption and reduction of the sound level. Its compact design allows it to be ideal for installations with reduced space on the wall or ceiling.
- Maximum working temperature in continuous: 50°C.
- IPX5 and IP45 protection. IMQ Safety certificate to guaranty the electromechanical compatibility.
- All options with long life bearings (LL):
 - Básico
 - Timer (T)
 - Humidity sensor (HR) and timer (T)
 - Motion sensor (Motion)

APPLICATIONS

- Ideal for living rooms, bathrooms, and any design "high-end" space where the fan goes unnoticed by its nice modern design.
- To be installed in ventilation ducts Ø100 and Ø125.

CARACTERÍSTICAS CONSTRUCTIVAS

- Extractor de diseño estético acorde a los cánones de moda industrial europeos con panel frontal liso de doble textura y tamaño compacto. Al no llevar rejilla y tener una carcasa de doble textura las partículas de polvo y suciedad no se adhieren fácilmente, facilitando el limpieza del extractor. Los extractores TEKSTÜR PLUS están cuidadosamente diseñados para proporcionar un bajo impacto ambiental, utilizando materiales reciclables.
- Motor con rodamientos de bolas de larga duración que garantizan más de 30,000 horas de uso y protegido contra la sobrecarga térmica. Carcasa de ABS termoplástico resistente a impactos y resistente a los rayos UV (evita el envejecimiento causado por la exposición a la luz solar). Turbina helicocentrífuga de resina PP. Equipados con compuerta automática antirretorno en forma de mariposa cuidadosamente diseñada para evitar el retorno de aires sucios o contaminantes cuando el extractor esta parado.
- La turbina helicocentrífuga y los soportes del motor han estado especialmente diseñados para garantizar unas prestaciones de alta eficiencia, un bajo consumo energético y reducción del nivel sonoro. Su diseño compacto le permite ser ideal para instalaciones con poco espacio en la pared o techo.
- Temperatura máxima de trabajo en continuo: 50°C.
- Protección IPX5 y IP45. Certificado IMQ Safety para garantizar la compatibilidad electromagnética.
- Todas las opciones con rodamientos de larga duración (LL):
 - Básico
 - Temporizador (T)
 - Sensor de humedad (HR) y temporizador (T)
 - Sensor de presencia (Motion)

APLICACIONES

- Ideal para salones, baños, y cualquier espacio de diseño donde el ventilador pasa desapercibido por su cuidada estética.
- Para ser instalado en conducto de ventilación Ø100 y Ø125.

| Code | Model | Voltage (V) | Rated R.P.M | Rated I (A) 230V | Rated Power W | Air flow m³/h | Pressure (Pa) | Sound dB (A) 3mm | Weight Kg | R.R.P € |
|-------------|----------------------------|-------------|-------------|--------------------|---------------|---------------|---------------|-------------------|-----------|---------|
| Código | Modelo | Voltaje (V) | R.P.M.nom. | I nominal (A) 230V | P. Nom. W | Q máx. m³/h | Presión (Pa) | Sonido dB (A) 3mm | Peso Kg | P.V.P € |
| TEKSP100 | TEKSTÜR PLUS 100 LL | 230 | 2175 | 0,052 | 9 | 90 | 39,23 | 26,9 | 0,6 | 70,60 |
| TEKSP100T | TEKSTÜR PLUS 100 LL T | 230 | 2175 | 0,052 | 9 | 90 | 39,23 | 26,9 | 0,6 | 99,00 |
| TEKSP100THR | TEKSTÜR PLUS 100 LL T HR | 230 | 2175 | 0,052 | 9 | 90 | 39,23 | 26,9 | 0,61 | 146,10 |
| TEKSP100M | TEKSTÜR PLUS 100 LL MOTION | 230 | 2175 | 0,052 | 9 | 90 | 39,23 | 26,9 | 0,6 | 154,20 |
| TEKSP120 | TEKSTÜR PLUS 120 LL | 220-240 | 2075 | 0,095 | 13 | 175 | 49,04 | 32,3 | 0,77 | 110,30 |
| TEKSP120T | TEKSTÜR PLUS 120 LL T | 220-240 | 2075 | 0,095 | 13 | 175 | 49,04 | 32,3 | 0,77 | 113,30 |
| TEKSP120THR | TEKSTÜR PLUS 120 LL T HR | 220-240 | 2075 | 0,095 | 13 | 175 | 49,04 | 32,3 | 0,78 | 160,20 |
| TEKSP120M | TEKSTÜR PLUS 120 LL MOTION | 220-240 | 2075 | 0,095 | 13 | 175 | 49,04 | 32,3 | 0,77 | 167,50 |

KUVIO

High efficiency In-line mixed flow fan constructed in self-extinguishing plastic resin and resistant to aggressive chemical agents
 Helicentrífugo de alta eficiencia construido con resina plástica autoextinguible y resistente a agentes químicos agresivos



MANUFACTURING FEATURES

- High efficiency In-line mixed flow fan with motor-holder enclosures, end cones and mixed flow impellers constructed in self-extinguishing plastic resin (V0) with a mineral-based additive to ensure dimensional stability. The side cones incorporate the fan's anchoring brackets onto the target surface for safe, quick installation. Designed to allow the assembly or disassembly of the fans without manipulating the ducts.
- Standard version and timer version (T). Two-speed monophasic motor with thermal overload cut-out and shafts turning on ball bearings to guarantee long life continuous work (at least 30.000 hours at the maximum plate temperature. Standard voltages 220-240V 50Hz and 60 Hz. Speed adjustable with accessories.
- Maximum working temperature in continuous: 50°C
- IP44 protection. IMQ Safety certificate to guaranty the electromechanical compatibility.

APPLICATIONS

Designed for duct supply and exhaust ventilation systems that require excellent response in terms of high pressure and air flow, while keeping noise under control. It can be used in many small and medium ventilation installations for air renewal such as:

- Bathrooms and changing rooms.
- Commercial offices.
- Extraction in domestic kitchens after the extraction hood.
- Schools
- Waiting room.
- Commercial premises, laundries, shops, bars, restaurants etc.
- Laboratories.

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador in-line de alta eficiencia con soportes motor, boca de aspiración y turbina helicocentrífuga contruidos en resina plástica autoextinguible (V0) con un aditivo a base de minerales para garantizar la estabilidad dimensional. Los conos laterales incorporan los soportes de anclaje del ventilador en la superficie con el objetivo de garantizar una instalación rápida y segura. Diseñado para permitir el montaje o desmontaje de los ventiladores sin manipular los conductos.
- Versión estándar y versión con temporizador (T). Motor monofásico de dos velocidades con desconexión por sobrecarga térmica y ejes que activan los rodamientos de bolas para garantizar un trabajo continuo de larga duración (al menos 30,000 horas a la temperatura máxima de la placa). Voltajes estándar 220-240V 50Hz y 60Hz. Velocidad ajustable con accesorios.
- Temperatura máxima de trabajo en continuo: 50°C.
- Protección IP44. Certificado IMQ Safety para garantizar la compatibilidad electromagnética.

APLICACIONES

Diseñado para sistemas de ventilación de suministro y extracción en conducto que requieren, excelente respuesta en cuanto a alta presión y caudal de aire se refiere, a la vez que mantienen el ruido bajo control. Puede ser utilizado en un gran numero de pequeños y medianas instalaciones de ventilación para la renovación de aire en:

- Baños y vestuarios.
- Oficinas comerciales.
- Extracción en cocinas domesticas después de la campana de extracción.
- Escuelas
- Salas de espera.
- Locales comerciales, lavanderías, tiendas, bares, restaurantes, etc.
- Laboratorios.

ACCESSORIES | ACCESORIOS



INT 3V pg.434
Speed selector switch.
Interruptor selector de velocidad.



REG pg.431
Manual single phase speed controller.
Regulador de velocidad manual monofásico.



JE 45 pg.416
Flexible joint.
Junta elástica.



REG VMC pg.431
Single phase voltage regulator with 0-10V entrance.
Regulador de voltaje monofásico con entrada 0-10V.



BA-400 pg.416
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



CPCC pg.406
Filter-support casing for circular duct.
Cajón de portafiltros para conducto circular.

| Code | Model | Voltage (V) | Rated RPM | Rated I (A) 230V | Rat. Power W | Air flow m³/h | Pressure (Pa) | Sound dB (A) at 3m | Weight Kg | R.R.P. € |
|----------|--------------|-------------|------------|--------------------|--------------|---------------|---------------|--------------------|-----------|----------|
| Código | Modelo | Voltaje (V) | R.P.M.nom. | I nominal (A) 230V | Pot. nom W | Q máx. m³/h | Presion (Pa) | Sonido dB (A) A 3m | Peso Kg | P.V.P € |
| KUV100 | KUVIO 100 | 220-240 | 1520/2030 | 0,09/0,11 | 20/23 | 180/255 | 127,5/161,9 | 30,7/39,4 | 1,8 | 64,20 |
| KUV125 | KUVIO 125 | 220-240 | 1570/2140 | 0,11/0,15 | 25/33 | 250/365 | 127,5/166,8 | 33,9/43 | 1,8 | 67,50 |
| KUV150 | KUVIO 150 | 220-240 | 1580/2100 | 0,18/0,26 | 40/58 | 385/550 | 206/264,9 | 41,4/50,5 | 2,4 | 102,50 |
| KUV160 | KUVIO 160 | 220-240 | 1580/2100 | 0,18/0,26 | 40/58 | 385/550 | 206/264,9 | 41,4/50,6 | 2,4 | 114,90 |
| KUV200V0 | KUVIO 200 V0 | 220-240 | 1580/2140 | 0,43/0,64 | 98/145 | 790/1060 | 284,5/323,7 | 46,2/52,5 | 3,7 | 157,40 |
| KUV250V0 | KUVIO 250 V0 | 220-240 | 1900/2550 | 0,48/0,78 | 110/180 | 990/1350 | 353,2/519,9 | 51,4/59,1 | 7 | 248,30 |
| KUV315V0 | KUVIO 315 V0 | 220-240 | 1780/2450 | 0,90/1,32 | 200/300 | 1740/2300 | 426,7/735,8 | 50,6/63,4 | 11,3 | 327,70 |

TIMER

| Code | Model | Voltage (V) | Rated RPM | Rated I (A) 230V | Rat. Power W | Air flow m³/h | Pressure (Pa) | Sound dB (A) at 3m | Weight Kg | R.R.P. € |
|-----------|----------------|-------------|------------|--------------------|--------------|---------------|---------------|--------------------|-----------|----------|
| Código | Modelo | Voltaje (V) | R.P.M.nom. | I nominal (A) 230V | Pot. nom W | Q máx. m³/h | Presion (Pa) | Sonido dB (A) A 3m | Peso Kg | P.V.P € |
| KUV100T | KUVIO 100 T | 220-240 | 1520/2030 | 0,09/0,11 | 20/23 | 180/255 | 127,5/161,9 | 30,7/39,4 | 1,8 | 70,50 |
| KUV125T | KUVIO 125 T | 220-240 | 1570/2140 | 0,11/0,15 | 25/33 | 250/365 | 127,5/166,8 | 33,9/43 | 1,8 | 74,00 |
| KUV150T | KUVIO 150 T | 220-240 | 1580/2100 | 0,18/0,26 | 40/58 | 385/550 | 206/264,9 | 41,4/50,5 | 2,4 | 111,50 |
| KUV160T | KUVIO 160 T | 220-240 | 1580/2100 | 0,18/0,26 | 40/58 | 385/550 | 206/264,9 | 41,4/50,6 | 2,4 | 125,10 |
| KUV200TV0 | KUVIO 200 T V0 | 220-240 | 1580/2140 | 0,43/0,64 | 98/145 | 790/1060 | 284,5/323,7 | 46,2/52,5 | 3,7 | 145,50 |

KUVIO EEC

High efficiency EC in-line mixed flow fan of self-extinguishing plastic resin and resistant to aggressive chemical agents
Helicentrífugo EC de alta eficiencia de resina plástica autoextinguible y resistente a agentes químicos agresivos

MANUFACTURING FEATURES

- High efficiency In-line mixed flow fan with motor-holder enclosures, end cones and mixed flow impellers constructed in self-extinguishing plastic resin (V0) with a mineral-based additive to ensure dimensional stability. The side cones incorporate the fan's anchoring brackets onto the target surface for safe, quick installation. Designed to allow the assembly or disassembly of the fans without manipulating the ducts.
- High efficiency EC (brushless) motors that are continuously adjustable (0-10V signal) or are settable at installation for 2-speed operation. Monophasic motor with thermal overload cut-out and shafts turning on ball bearings to guarantee long life continuous work (at least 40.000 hours at the maximum plate temperature. Standard voltages 220-240V 50Hz and 60 Hz.
- Maximum working temperature in continuous: 50°C
- IP44 protection. IMQ Safety certificate to guaranty the electromechanical compatibility.

APPLICATIONS

Their small radial dimensions make them an effective, effective space-saving solution for low-visual impact ventilation of residential, commercial or industrial premises. Designed for duct supply and exhaust ventilation systems that require excellent response in terms of high pressure and air flow, while keeping noise under control. Equipped with EC motor which reduces power consumption.

It can be used in many small and medium ventilation installations for air renewal such as:

- Bathrooms and changing rooms.
- Commercial offices.
- Extraction in domestic kitchens after the extraction hood.
- Schools
- Waiting room.
- Commercial premises, laundries, shops, bars, restaurants ...
- Laboratories.

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador in-line de alta eficiencia con soportes motor, boca de aspiración y turbina helicentrífuga contruidos en resina plástica autoextinguible (V0) con un aditivo a base de minerales para garantizar la estabilidad dimensional. Los conos laterales incorporan los soportes de anclaje del ventilador en la superficie con el objetivo de garantizar una instalación rápida y segura. Diseñado para permitir el montaje o desmontaje de los ventiladores sin manipular los conductos.
- Motores EC (brushless) de alta eficiencia que son continuamente ajustables (señal de 0-10 V) o configurables en la instalación para operación de 2 velocidades. Motor monofásico con desconexión por sobrecarga térmica y ejes que activan los rodamientos de bolas para garantizar un trabajo continuo de larga duración (al menos 30,000 horas a la temperatura máxima de la placa). Voltajes estándar 220-240V 50Hz y 60Hz. Velocidad ajustable con accesorios.
- Temperatura máxima de trabajo en continuo: 50°C.
- Protección IP44. Certificado IMQ Safety para garantizar la compatibilidad electromagnética.

APLICACIONES

Sus pequeñas dimensiones lo convierten en una solución efectiva y efectiva que ahorre espacio para baja visibilidad ventilación de impacto de locales residenciales, comerciales o industriales. Diseñado para sistemas de ventilación de suministro y extracción en conducto que requieren, excelente respuesta en cuanto a alta presión y caudal de aire se refiere, a la vez que mantienen el ruido bajo control. Equipado con motor EC que reduce el consumo de energía.

Puede ser utilizado en un gran número de pequeños y medianas instalaciones de ventilación para la renovación de aire en:

- Baños y vestuarios.
- Oficinas comerciales.
- Extracción en cocinas domesticas después de la campana de extracción.
- Escuelas
- Salas de espera.
- Locales comerciales, lavanderías, tiendas, bares, restaurantes...
- Laboratorios.

ACCESSORIES | ACCESORIOS


INT 3V pg.434
Speed selector switch.
Interruptor selector de velocidad.



REG pg.431
Manual single phase speed controller.
Regulador de velocidad manual monofásico.



JE 45 pg.416
Flexible joint.
Junta elástica.



REG VMC pg.431
Single phase voltage regulator with 0-10V entrance.
Regulador de voltaje monofásico con entrada 0-10V.



BA-400 pg.416
Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



CPCC pg.406
Filter-support casing for circular duct.
Cajón de portafiltros para conducto circular.

| Code | Model | Voltage (V) | Rated RPM | Rated I (A) 230V | Rat. Power W | Air flow m³/h | Pressure (Pa) | Sound dB (A) at 3m | Weight Kg | R.R.P. € |
|-------------|------------------|-------------|------------|--------------------|--------------|---------------|---------------|--------------------|-----------|---------------|
| Código | Modelo | Voltaje (V) | R.P.M.nom. | I nominal (A) 230V | Pot. nom W | Q máx. m³/h | Presion (Pa) | Sonido dB (A) A 3m | Peso Kg | P.V.P. € |
| KUV100EEC | KUVIO 100 EEC | 220-240 | 300/2300 | 0,05/0,2 | 3 //20 | 24/280 | 2/255 | 40,8 | 1,9 | 303,10 |
| KUV125EEC | KUVIO 125 EEC | 220-240 | 300/2350 | 0,05/0,25 | 3 //25 | 35/360 | 2/304 | 44,4 | 1,9 | 302,60 |
| KUV150EEC | KUVIO 150 EEC | 220-240 | 300/2550 | 0,05/0,5 | 3 // 55 | 50/600 | 3/490 | 53,2 | 2,2 | 321,00 |
| KUV160EEC | KUVIO 160 EEC | 220-240 | 300/2650 | 0,05/0,55 | 3 //60 | 55/620 | 3/490 | 54,1 | 2,2 | 318,20 |
| KUV200EECV0 | KUVIO 200 EEC V0 | 220-240 | 300/3100 | 0,05/0,75 | 3 //80 | 77/1000 | 3/333 | 47,5 | 2,5 | 325,00 |
| KUV250EECV0 | KUVIO 250 EEC V0 | 220-240 | 300/3000 | 0,05/1 | 3//124 | 85/1100 | 7/588 | 57,3 | 5,3 | 543,10 |
| KUV315EECV0 | KUVIO 315 EEC V0 | 220-240 | 300/2350 | 0,05/1,5 | 5/240 | 205/1850 | 11/667 | 64,9 | 9,5 | 646,50 |

ESTELA

Silent ceiling fan Ventilador de techo silencioso



MANUFACTURING FEATURES

- Lightweight fan to install in false ceiling.
- Forward impeller.
- Air capture through the square base made of ABS plastic.
- Backdraft damper.
- Extraction connection by circular mouth.
- Easy motor access for maintenance.
- Low sound level.
- Motor 230V 50Hz.

APPLICATIONS

- Designed to be fixed to wall by self-tapping screws, or ceiling, they are suitable for:
- Continuous or periodic exhaust ventilation of bathroom, showers, kitchens and other utility spaces.
 - Ventilation of premises with high noise level limitations.

CARACTERÍSTICAS CONSTRUCTIVAS

- Ventilador ligero para instalar en falso techo.
- Turbina a acción
- Captación de aire a través de la base cuadrada fabricada con plástico ABS.
- Compuerta antirretorno.
- Conexión extracción mediante embocadura circular.
- Fácil acceso al interior para la limpieza y mantenimiento.
- Bajo nivel sonoro.
- Motor 230V 50Hz.

APLICACIONES

- Diseñados para fijarse en pared con tornillos autorroscantes en techo, son ideales para:
- Ventilación de extracción continua o periódica en baños, duchas, cocinas y espacios pequeños.
 - Ventilación de espacios con limitaciones de ruido.

| Code | Model | Rated R.P.M. | Rated I (A) 230V | Rated Power W | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|---------------|------------------|--------------|------------------|---------------|---------------|---------------|-----------|----------|
| Código | Modelo | RPM | I nom (A) 230V | Pot. nom. W | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 509701000 | ESTELA 100 | 860 | 0,091 | 0,02 | 250 | 39 | 3,5 | 78,80 |
| 509701500 | ESTELA 150 | 680 | 0,182 | 0,04 | 380 | 37 | 4,4 | 95,60 |
| 509701500Z001 | ESTELA 150 TURBO | 770 | 0,186 | 0,04 | 450 | 42 | 5,6 | 131,40 |

BT-3

Inline centrifugal fan with external rotor motor Centrífugo inline con motor de rotor exterior



MANUFACTURING FEATURES

- Galvanized steel sheet housing
- Backward impeller, dynamically balanced.
- External wiring box.
- Supplied with support feet (optional mounting).
- Single-phase asynchronous motor with external rotor, including thermal protector for automatic resetting and long-life permanent lubrication ball bearings (40,000 hours). Protection IP-44. Standard voltage 230V 50Hz.

APPLICATIONS

- Designed for duct installation, suitable for installation in false ceiling, are indicated for:
- Renovation of air in bathrooms and small rooms.
 - Maximum continuous working temperature: 50°C.
 - Fan not suitable for transporting explosive gases.

UNDER REQUEST

- Sizes from 200 to 315 can be supplied with a metal impeller.

CARACTERÍSTICAS CONSTRUCTIVAS

- Carcasa en chapa galvanizada.
- Turbina de álabes curvados hacia atrás (reacción) equilibrada dinámicamente.
- Caja de conexiones exterior.
- Se suministra con pies soporte (montaje opcional).
- Motor asíncrono monofásico de rotor exterior, que incluye protector térmico de rearme automático y rodamientos a bolas de engrase permanente de larga duración (40.000 horas). Protección IP-44. Voltaje estándar 230V 50Hz.

APLICACIONES

- Diseñados para instalación en conducto, adecuados en falso techo, son indicados para:
- Renovación de aire en baños y locales pequeños.
 - Temperatura máxima de trabajo en continuo: 50°C.
 - Ventilador no adecuado para vehicular gases explosivos.

BAJO DEMANDA

- Los tamaños del 200 al 315 se pueden suministrar con turbina metálica.

ACCESSORIES | ACCESORIOS



INT 3V pg.434

Speed selector switch.
Interruptor selector de velocidad.



REG pg.431

Manual single phase speed controller.
Regulador de velocidad manual monofásico.



JE 45 pg.416

Flexible joint.
Junta elástica.



BA-400 pg.416

Anti-vibrating flange 400º/2h.
Brida antivibratoria 400º/2h.



CPCC pg.406

Filter-support casing for circular duct.
Cajón de portafiltras para conducto circular.

SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | R.P.M. | Rated I (A) 230V | Rated Power kW | Air flow m³/h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|----------|--------|------------------|----------------|---------------|---------------|-----------|----------|
| Código | Modelo | RPM | I nom (A) 230V | Pot. nom. kW | Q máx. m³/h | Sonido dB (A) | Peso Kg | P.V.P € |
| 509810000 | BT-3 100 | 2820 | 0,32 | 0,07 | 250 | 46 | 3,16 | 147,00 |
| 509812500 | BT-3 125 | 2820 | 0,34 | 0,08 | 330 | 49 | 3,16 | 159,90 |
| 509815000 | BT-3 150 | 2770 | 0,33 | 0,08 | 455 | 43 | 3,42 | 176,60 |
| 509816000 | BT-3 160 | 2760 | 0,34 | 0,08 | 455 | 43 | 3,44 | 184,60 |
| 509820000 | BT-3 200 | 2740 | 0,69 | 0,16 | 1.000 | 47 | 5,43 | 229,80 |
| 509825000 | BT-3 250 | 2765 | 0,66 | 0,15 | 1.070 | 49 | 5,25 | 240,90 |
| 509831500 | BT-3 315 | 2730 | 0,81 | 0,19 | 1.540 | 51 | 6,57 | 315,60 |

BT-3 EEC
Centrifugal fan in steel casing with electronic motor EEC
Centrífugo en carcasa de acero con motor electrónico EEC

MANUFACTURING FEATURES

- Fully airtight polymer coated steel housing, ideal for outdoor installation.
- EC motors allow the integration of several fans in unified networks and their centralized control.
- Backward-curved blade turbine with high efficiency electronic motor (EC) with external rotor, dynamically balanced during assembly.
- Motors with ball bearings for a longer life of the fan (40,000 hours). Classification of motor protection IP 44.

APPLICATIONS

- Designed for supply and extraction ventilation and air conditioning installations that require a cost-effective solution and controllable ventilation.
- Installation in duct in indoor or outdoor.
- The electronic motor reduces consumption by 35% and ensures high aerodynamic performance and low noise level. This makes them ideal for ventilation in public places such as banks, supermarkets, restaurants, hotels.
- Its use is also contemplated in installations close to residential buildings and for domestic applications, such as the ventilation of private pools.

UNDER REQUEST

- Sizes from 200 to 315 can be supplied with a metal impeller.

CARACTERÍSTICAS CONSTRUCTIVAS

- Carcasa de acero recubierto de polímero totalmente hermética, ideal para instalación en exterior.
- Los motores EC permiten la integración de varios ventiladores en redes unificadas y su control centralizado.
- Turbina de álabes curvados hacia atrás con motor electrónico (EC) de alta eficiencia con rotor externo, equilibrada dinámicamente durante el montaje.
- Motores equipados con rodamientos de bolas para una mayor vida útil del ventilador (40.000 horas). Clasificación de protección del motor IP 44.

APLICACIONES

- Diseñados para ventilación de aportación y extracción e instalaciones de aire acondicionado que requieran una solución rentable y una ventilación controlable.
- Instalación en conducto en interior o exterior.
- El motor electrónico reduce el consumo en un 35% y asegura el alto rendimiento aerodinámico y un bajo nivel de ruido. Esto los hace ideales para la ventilación en locales públicos como: bancos, supermercados, restaurantes, hoteles.
- También se contempla su uso en instalaciones cercanas a edificios residenciales y para aplicaciones domésticas, como la ventilación de piscinas privadas.

BAJO DEMANDA

- Los tamaños del 200 al 315 se pueden suministrar con turbina metálica.

ACCESSORIES | ACCESORIOS

INT pg.434

Safety switch.
Interruptor de seguridad.


REGC pg.431

Air flow controller for EEC motors.
Regulador de caudal para motores EEC.


BA-400 pg.416

Anti-vibrating flange 400^ø/2h.
Brida antivibratoria 400^ø/2h.

SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | R.P.M. | Rated I (A) 230V | Rated Power kW | Air flow m ³ /h | Sound dB (A) | Weight Kg | R.R.P. € |
|-----------|--------------|--------|------------------|----------------|----------------------------|---------------|-----------|---------------|
| Código | Modelo | RPM | I nom (A) 230V | Pot. nom. kW | Q máx. m ³ /h | Sonido dB (A) | Peso Kg | P.V.P. € |
| 510310000 | BT-3 100 EEC | 3600 | 0,70 | 0,09 | 345 | 44 | 3,45 | 292,30 |
| 510312500 | BT-3 125 EEC | 3400 | 0,58 | 0,08 | 480 | 45 | 3,58 | 297,10 |
| 510315000 | BT-3 150 EEC | 2800 | 0,73 | 0,10 | 620 | 47 | 4,17 | 372,40 |
| 510316000 | BT-3 160 EEC | 2800 | 0,72 | 0,10 | 685 | 47 | 4,32 | 383,10 |
| 510320000 | BT-3 200 EEC | 2500 | 0,63 | 0,083 | 845 | 47 | 5,7 | 396,00 |
| 510325000 | BT-3 250 EEC | 2900 | 1,15 | 0,16 | 1.230 | 46 | 5,1 | 462,10 |
| 510331500 | BT-3 315 EEC | 2900 | 1,15 | 0,16 | 1.370 | 48 | 7,3 | 518,70 |

CMV | Controlled mechanical ventilation

VMC | Ventilación mecánica controlada

CMV - SELF-REGULATING SYSTEMS | VMC - SISTEMAS AUTORREGULABLES

SELF-REGULATING AIR INLET | ENTRADAS DE AIRE AUTORREGULABLES

EAA S

Self-regulating air inlet with high attenuation acoustic frame

Entrada de aire autorregulables con bastidor acústico de gran atenuación



| MANUFACTURING FEATURES

• Air inlet or self-regulating aerators manufactured in high impact polystyrene RAL 9016, with an acoustic frame that achieves a great attenuation complying with the most demanding standards of the market, NRA. The EAA S 22 and 30 allow to reduce noise up to 3dB.

• EAA S help to renovate the air in a home through the main rooms (living rooms, bedrooms and living rooms). The entrance of fresh air comes from the simple flow of mechanical ventilation systems located in the house.

• Installation on carpentry elements in vertical walls or any tilted plane (roof windows or under the blinds).

Available flow rates from 22m³/h to 45m³/h, and operating range from 20 to 100 Pa.

| APPLICATIONS

• Single-family and collective homes for the introduction of new air inside the living rooms, bedrooms, living rooms, etc.

| CARACTERÍSTICAS CONSTRUCTIVAS

• Entrada de aire o aireadores autorregulables fabricado en poliestireno de alto impacto RAL 9016, con un bastidor acústico que logra una gran atenuación cumpliendo las normativas más exigentes del mercado, NRA. Las EAA S 22 y 30 permiten reducir hasta 3dB el ruido.

• Las EAA S ayudan a la renovación del aire en una vivienda a través de las estancias principales (salas de estar, dormitorios y salones). La entrada de aire fresco proviene de los sistemas de simple flujo de ventilación mecánica ubicados en la vivienda.

• Instalación sobre elementos de carpintería en paredes verticales o cualquier plano inclinado (ventanas de techo o debajo de las persianas).

Caudales disponibles desde 22m³/h hasta 45m³/h, y rango de funcionamiento de 20 a 100 Pa.

| APLICACIONES

• Viviendas unifamiliares y colectivas para la introducción de aire nuevo dentro de las salas de estar, dormitorios, salones, etc.

| Code | Model | Air flow m ³ /h | R.R.P € |
|----------|----------|----------------------------|---------|
| Código | Modelo | Q máx. m ³ /h | P.V.P € |
| EAA S 22 | EAA S 22 | 22 | 30,00 |
| EAA S 30 | EAA S 30 | 30 | 30,00 |
| EAA S 45 | EAA S 45 | 45 | 31,90 |

SELF-REGULATING AIR EXTRACTION | EXTRACCIÓN DE AIRE AUTORREGULABLES

BEA SC

Simple flow extraction inlet for self-regulating system

Boca de extracción para sistemas autorregulables de simple caudal



| MANUFACTURING FEATURES

• White polystyrene inlet for self-regulating systems with a fixed extraction rate of 150 m³/h and pressure up to 160 Pa.

• Easy mounting system in vertical wall, ceiling or plasterboard with associated accessories.

| APPLICATIONS

• Self-regulating systems to install in bathrooms (sanitary rooms for collective housing), kitchens, tertiary sector.

• Rooms that require a constant flow modulation.

| CARACTERÍSTICAS CONSTRUCTIVAS

• Bocas de poliestireno blanco para sistemas autorregulables con un caudal de extracción fijo de hasta 150 m³/h y presión hasta 160 Pa.

• Fácil sistema de montaje en pared vertical, techo o pladur junto con los accesorios asociados.

| APLICACIONES

• Sistemas autorregulables para instalar en baños (salas sanitarias de viviendas colectivas), cocinas, sector terciario.

• Estancias que necesiten un caudal regulado.

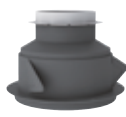
| Code | Model | Air flow m ³ /h | R.R.P € |
|----------|------------|----------------------------|---------|
| Código | Modelo | Q máx. m ³ /h | P.V.P € |
| BEASC15 | BEA SC 15 | 15 | 17,50 |
| BEASC30 | BEA SC 30 | 30 | 17,50 |
| BEASC45 | BEA SC 45 | 45 | 17,50 |
| BEASC60 | BEA SC 60 | 60 | 17,50 |
| BEASC75 | BEA SC 75 | 75 | 17,50 |
| BEASC90 | BEA SC 90 | 90 | 17,50 |
| BEASC120 | BEA SC 120 | 120 | 26,00 |
| BEASC150 | BEA SC 150 | 150 | 26,00 |



MGJ



MGP 3 garras



MGP 3 garras con reducción

ACCESSORIES | ACCESORIOS BEA SC

| Code | Model | R.R.P € |
|----------|--|---------|
| Código | Modelo | P.V.P € |
| MGJBEA | MGJ 125 (Manguito con junta) | 3,80 |
| MGP3125 | MGP 125 (Manguito 3 garras) | 7,10 |
| MGP80BEA | MGP 125/80 (Manguito 3 garras con reducción) | 7,10 |

BEA DC

Double flow extraction inlet for self-regulating systems. Double and fixed flow rate extraction
Boca de extracción para sistemas autorregulables de doble caudal. Caudal de extracción doble y fijo

MANUFACTURING FEATURES

- White polystyrene inlet for self-regulating systems that offer a minimum extraction flow just pulling accord.
- Extraction flow up to 135 m³/h and pressure up to 160 Pa.
- Easy mounting system in vertical wall, ceiling or plasterboard with associated accessories.

APPLICATIONS

- Self-regulating systems to install in kitchens or other rooms of the house that require a double regulated flow.
- In kitchens of single-family and collective houses.
- Rooms that require a constant flow modulation.

CARACTERÍSTICAS CONSTRUCTIVAS

- Bocas de poliestireno blanco para sistemas autorregulables que ofrecen un caudal de extracción mínimo simplemente accionando un cordón.
- Caudal de extracción hasta 135 m³/h y presión hasta 160 Pa.
- Fácil sistema de montaje en pared vertical, techo o pladur junto con los accesorios asociados.

APLICACIONES

- Sistemas autorregulables para instalar en cocinas u otras estancias de la vivienda que precisen de un doble caudal regulado.
- En las cocinas de las viviendas unifamiliares y colectivas.
- Estancias que precisen una modulación de caudales constantes.

| Code | Model | Air flow m ³ /h | R.R.P. € |
|------------|---------------|----------------------------|----------|
| Código | Modelo | Q máx. m ³ /h | P.V.P. € |
| BEADC1530 | BEA DC 15/30 | 15/30 | 34,00 |
| BEADC2075 | BEA DC 20/75 | 20/75 | 34,00 |
| BEADC3090 | BEA DC 30/90 | 30/90 | 34,00 |
| BEADC45105 | BEA DC 45/105 | 45/105 | 34,00 |
| BEADC45120 | BEA DC 45/120 | 45/120 | 34,00 |
| BEADC45130 | BEA DC 45/135 | 45/135 | 34,00 |


ACCESSORIES | ACCESORIOS BEA DC

| Code | Model | R.R.P. € |
|----------|--|----------|
| Código | Modelo | P.V.P. € |
| MGJBEA | MGJ 125 (Manguito con junta) | 3,80 |
| MGP3125 | MGP 125 (Manguito 3 garras) | 7,10 |
| MGP80BEA | MGP 125/80 (Manguito 3 garras con reducción) | 7,10 |

SELF-REGULATING FLOWRATE REGULATORS | REGULADORES DE CAUDAL AUTORREGULABLES

CFR

Extraction inlet for simple flow self-regulating systems. For sanitary rooms in collective housing
Boca de extracción para sistemas autorregulables de simple caudal. Para salas sanitarias en vivienda colectiva

MANUFACTURING FEATURES

- Circular constant flow regulator with sleeve and self-regulating system composed of a gate and a regulating spring that allows to maintain a constant flow with pressure variations between 50 and 250 Pa.

APPLICATIONS

- For outlet or inlet ventilation and air conditioning.

UNDER REQUEST

- Models for high pressures of 150 to 600 Pa.

CARACTERÍSTICAS CONSTRUCTIVAS

- Regulador de caudal constante circular con manguito y sistema autorregulable compuesto de una compuerta y de un muelle regulador que permite mantener un caudal constante con variaciones de presión entre 50 y 250 Pa.

APLICACIONES

- Para extracción o impulsión en ventilación y aire acondicionado.

BAJO DEMANDA

- Modelos para presiones elevadas de 150 a 600 Pa.

| Code | Model | Ø | R.R.P. € |
|-----------|----------------------|-----|----------|
| Código | Modelo | Ø | P.V.P. € |
| FX0048792 | CFR 15-50/30 M3/H | 80 | 20,30 |
| FX0048737 | CFR 15-50/30 M3/H | 100 | 24,50 |
| FX0048608 | CFR 50-100/60 M3/H | 100 | 24,50 |
| FX0048784 | CFR 15-50/30 M3/H | 125 | 27,70 |
| FX0048774 | CFR 50-100/60 M3/H | 125 | 27,70 |
| FX0048771 | CFR 100-180/120 M3/H | 125 | 27,70 |
| FX0048799 | CFR 50-100/90 M3/H | 160 | 44,40 |
| FX0048773 | CFR 100-180/150 M3/H | 160 | 44,40 |
| FX0048758 | CFR 180-300/210 M3/H | 160 | 44,40 |
| FX0048894 | CFR 100-180/180 M3/H | 200 | 61,60 |
| FX0048761 | CFR 180-300/300 M3/H | 200 | 61,60 |
| FX0048772 | CFR 300-500/350 M3/H | 200 | 61,60 |
| FX0048985 | CFR 180-300/300 M3/H | 250 | 79,80 |
| FX0048795 | CFR 300-500/500 M3/H | 250 | 79,80 |
| FX0048770 | CFR 500-700/600 M3/H | 250 | 83,00 |

CMV - MOISTURE REGULATED SYSTEMS - MOISTURE-REGULATED AIR EXTRACTION | VMC - SISTEMAS HIGRORREGULABLES - EXTRACCIÓN DE AIRE HIGRORREGULABLES

EAH S

Moisture-regulated air inlet with high attenuation acoustic frame and humidity control

Entrada de aire higrorregulable con bastidor acústico de gran atenuación y control de humedad



MANUFACTURING FEATURES

- Air inlet or moisture-regulating aerators made of ABS plastic RAL 9016 white, equipped with an acoustic frame that achieves a great attenuation complying with the most demanding standards of the market, NRA.
- Flow rate varies from 7 to 40 m³/h (at 20Pa) according to the humidity variations in the room.
- The acoustic air inlet with humidity control EAH S is installed inside the house, in the main rooms (living room and bedroom).
- Works on both vertical walls and tilted planes (for example, roof skylights, lower part of roller shutter boxes).
- The cover for the adjustment to the external wall is made of polystyrene resistant to ultraviolet rays and weather.

APPLICATIONS

- Single-family and collective housing for the introduction of new air inside the living rooms, bedrooms, and living rooms.
- Renewal of air in mechanical ventilation systems of controlled flow and humidity.

CARACTERÍSTICAS CONSTRUCTIVAS

- Entrada de aire o aireadores higrorregulables de plástico ABS blanco RAL 9016, equipados con un bastidor acústico que logra una gran atenuación cumpliendo las normativas más exigentes del mercado, NRA.
- Se caracterizan por un caudal que varía de 7 a 40 m³/h (a 20Pa) en línea con las variaciones de humedad de la habitación.
- La entrada de aire acústica con control de humedad EAH S se instala en el interior de la vivienda, en las habitaciones principales (salón y dormitorio).
- Funciona tanto en paredes verticales como en planos inclinados (por ejemplo, claraboyas de techo, parte inferior de las cajas de persianas enrollables).
- La cubierta para el ajuste a la pared externa está hecha de poliestireno resistente a los rayos ultravioleta y al clima.

APLICACIONES

- Viviendas unifamiliares y colectivas para introducción de aire nuevo dentro de las salas de estar, dormitorios, y salones.
- Renovación de aire en sistemas de ventilación mecánica de caudal y humedad controlada.

| Code | Model | Air flow m ³ /h | R.R.P. € |
|--------|----------|----------------------------|----------|
| Código | Modelo | Q máx. m ³ /h | P.V.P. € |
| EAHS40 | EAH S 40 | 7/40 | 62,60 |

CMV - MOISTURE REGULATED SYSTEMS - MOISTURE-REGULATED AIR EXTRACTION | VMC - SISTEMAS HIGRORREGULABLES - EXTRACCIÓN DE AIRE HIGRORREGULABLES

BEH HYGRO

Extraction inlet for moisture-regulating ventilation system

Boca de extracción para sistema de ventilación higrorregulable



MANUFACTURING FEATURES

- White polystyrene inlet consisting of an air flow regulator (which ensure the flowrate modulation), a humidity sensitive element that allows to regulate the flow of the room according to the relative humidity of the environment and a rigid gate protected by a grid that guarantees the maximum flowrate up to 75 m³/h with a pressure that varies between 80 and 160 Pa.
- Easy mounting system in vertical wall, ceiling or plaster-board with associated accessories.

APPLICATIONS

- Single-family, collective or tertiary sector housing moisture-regulable system.
- Single-family, collective or commercial buildings (tertiary sector).

CARACTERÍSTICAS CONSTRUCTIVAS

- Bocas de poliestireno blanco formadas por un regulador de los flujos de aire (que aseguran la modulación de caudal), un elemento sensible a la humedad que permite regular el flujo de la sala según la humedad relativa ambiental y una compuerta rígida protegida por una rejilla que garantizan el caudal máximo hasta 75 m³/h con una presión que varía entre 80 y 160 Pa.
- Fácil sistema de montaje en pared vertical, techo o pladur junto con los accesorios asociados.

APLICACIONES

- En sistema higrorregulables de viviendas unifamiliares, colectivas o en el sector terciario.
- Viviendas unifamiliares, colectivas o edificios comerciales (sector terciario).

| Code | Model | Air flow m ³ /h | R.R.P. € |
|---------|-----------------|----------------------------|----------|
| Código | Modelo | Q máx. m ³ /h | P.V.P. € |
| BEH0525 | BEH HYGRO 5/30 | 5/30 | 62,62 |
| BEH0545 | BEH HYGRO 5/45 | 5/45 | 62,62 |
| BEH1040 | BEH HYGRO 10/40 | 10/40 | 62,62 |
| BEH1525 | BEH HYGRO 15/25 | 15/25 | 73,25 |
| BEH1575 | BEH HYGRO 15/75 | 15/75 | 96,88 |



ACCESSORIES | ACCESORIOS BEH HYGRO

| Code | Model | R.R.P. € |
|----------|--|----------|
| Código | Modelo | P.V.P. € |
| MGJBEH | MGJ 125 (Manguito con junta) | 5,00 |
| MGP3BEH | MGP 125 (Manguito 3 garras) | 7,10 |
| MGP80BEH | MGP 125/80 (Manguito 3 garras con reducción) | 7,10 |

CMV - EXTRACTION AND/OR SUPPLY INLETS | VMC - BOCAS DE EXTRACCIÓN Y/O IMPULSIÓN
BE Extraction or supply inlet made of plastic for housings of easy assembly and maintenance
Boca de extracción o impulsión de plástico para viviendas de fácil montaje y mantenimiento

MANUFACTURING FEATURES

- Extraction or supply inlet for single-family houses of easy assembly and maintenance.
- Set consisting of a 80Ø or 125mm plastic inlet and a plasterboard sleeve with three fixing tabs. Supplied with a gasket to make easier the duct sealing and fastening.
- Mounting on wall or plasterboard thanks to the sleeve with fixing tabs.
- Combining the BE with a CFR, a self-regulating system is achieved.

APPLICATIONS

- Single-family or collective housing.
- Installations with controlled mechanical systems of simple flow or double flow.

CARACTERÍSTICAS CONSTRUCTIVAS

- Boca de extracción o impulsión para viviendas unifamiliares de fácil montaje y mantenimiento.
- Conjunto formado por una boca de plástico de 80Ø o 125mm y un manguito de pladur con tres pestañas de fijación. Suministrado con una junta para facilitar la estanqueidad y la sujeción al conducto.
- Montaje en mural, pared o pladur gracias al manguito con pestañas de fijación.
- Combinando la BE con un CFR se consigue un sistema autorregulable.

APLICACIONES

- Viviendas unifamiliares o colectivas.
- Instalaciones con sistemas de ventilación mecánica controlada de simple flujo o doble flujo.

| Code | Model | Ø mm | R.R.P. € |
|--------|--------|------|----------|
| Código | Modelo | Ø mm | P.V.P € |
| BE80 | BE 80 | 80 | 5,40 |
| BE125 | BE 125 | 125 | 9,20 |

BEIRM Extraction or supply inlet manually adjustable for housings and tertiary rooms resistant to humidity
Boca de extracción o impulsión regulable manualmente para viviendas y locales terciarios resistentes a la humedad

MANUFACTURING FEATURES

- Moisture resistant white plastic extraction or supply inlet. Used in tertiary buildings and homes with simple or double flow controlled mechanical ventilation systems.
- The flow of impulsion or extraction is adjusted by screwing the central disc inwards or outwards. A nut locks this disk in place.
- Maximum flow rate up to 250 m³/h. Pressure pressure up to 150 Pa.
- Easy installation by attaching directly to an adapter placed in advance on the duct or in the gypsum / ceiling panel adapter mounted on the ceiling.
- Mounting on wall or plasterboard.
- By combining the BEIRM with a CFR, a self-regulating system is achieved.

APPLICATIONS

- Tertiary premises.
- Single-family and collective housing.

CARACTERÍSTICAS CONSTRUCTIVAS

- Bocas de extracción o impulsión de plástico blanco resistente a la humedad. Se utilizan en locales terciarios y viviendas con sistemas de ventilación mecánica controlada de simple flujo o doble flujo.
- El caudal de impulsión o extracción se ajusta atornillando el disco central hacia adentro o hacia afuera. Una tuerca bloquea este disco en su lugar.
- El caudal máximo hasta 250 m³/h. Presión presión hasta 150 Pa.
- Fácil instalación acoplándose directamente a un adaptador colocado de antemano en el conducto o en el adaptador de panel de yeso/pasaje montado en el techo.
- Montaje en mural, pared o pladur.
- Combinando la BEIRM con un CFR se consigue un sistema autorregulable.

APLICACIONES

- Locales terciarios.
- Viviendas unifamiliares y colectivas.

| Code | Model | Ø mm | Air flow m ³ /h | R.R.P. € |
|----------|-----------|------|----------------------------|----------|
| Código | Modelo | Ø mm | Q máx. m ³ /h | P.V.P € |
| BEIRM80 | BEIRM 80 | 77 | 90 | 10,60 |
| BEIRM100 | BEIRM 100 | 98 | 120 | 11,60 |
| BEIRM125 | BEIRM 125 | 120 | 180 | 12,30 |
| BEIRM160 | BEIRM 160 | 155 | 220 | 17,20 |
| BEIRM200 | BEIRM 200 | 195 | 250 | 24,30 |

SLEEVE 3 GRASP | MANGUITO 3 GARRAS BEIRM

| Code | Model | R.R.P. € |
|---------|----------|----------|
| Código | Modelo | P.V.P € |
| MGP380 | MGP3 80 | 4,30 |
| MGP3100 | MGP3 100 | 7,10 |
| MGP3125 | MGP3 125 | 7,10 |
| MGP3160 | MGP3 160 | 10,70 |
| MGP3200 | MGP3 200 | 14,20 |

COMPRI-CV



Aluminum flexible tube M1 fire resistance classification

Conducto flexible de aluminio clasificación M1 de resistencia al fuego

MANUFACTURING FEATURES

- Flexible duct made with 3 layers of aluminium and 2 layers of polyester film.
- Reinforced inside with spiral steel wire.
- Maximum working pressure: 3000 Pa.
- Working temperature: -30 to 140°C.
- Maximum speed: 30m/s.

APPLICATIONS

- It is supplied in 10m sections for installations of air conditioning, ventilation and VMC systems.

CARACTERÍSTICAS CONSTRUCTIVAS

- Conducto flexible fabricado con 3 capas de aluminio y 2 capas de film de poliéster.
- Reforzado en su interior con alambre de acero en espiral.
- Presión máxima de trabajo: 3000 Pa.
- Temperatura de trabajo: -30 a 140°C.
- Velocidad máxima: 30m/s.

APLICACIONES

- Se suministra en tramos de 10m para instalaciones de sistemas de aire acondicionado, ventilación y VMC.

| Code | Model | Ø mm | R.R.P € |
|----------|----------------|------|---------|
| Código | Modelo | Ø mm | P.V.P € |
| 10000552 | COMPRI M1 Ø82 | 82 | 13,10 |
| 10000553 | COMPRI M1 Ø102 | 102 | 15,30 |
| 10000554 | COMPRI M1 Ø127 | 127 | 18,20 |
| 10000555 | COMPRI M1 Ø152 | 152 | 21,80 |
| 10000556 | COMPRI M1 Ø160 | 160 | 22,50 |
| 10000558 | COMPRI M1 Ø203 | 203 | 27,20 |
| 10000560 | COMPRI M1 Ø254 | 254 | 34,50 |
| 10000561 | COMPRI M1 Ø305 | 305 | 43,60 |
| 10000562 | COMPRI M1 Ø315 | 315 | 45,10 |
| 10000563 | COMPRI M1 Ø356 | 356 | 54,90 |
| 10000564 | COMPRI M1 Ø406 | 406 | 65,00 |
| 10000565 | COMPRI M1 Ø457 | 457 | 77,40 |
| 10000566 | COMPRI M1 Ø508 | 508 | 85,00 |

COMBI-CV



Aluminum and PVC flexible tube in black colour

Conducto flexible de aluminio y PVC de color negro

MANUFACTURING FEATURES

- It consists of an aluminium layer, two layers of polyester and 1 outer layer of black PVC.
- Maximum working pressure: 3000 Pa.
- Working temperature: -20 to 110°C.
- Maximum speed: 20m/s.

APPLICATIONS

- In sections of 10 meters for installations of air conditioning, ventilation and VMC systems.

CARACTERÍSTICAS CONSTRUCTIVAS

- Se compone de una capa de aluminio, dos capas de poliéster y 1 capa exterior de PVC de color negro.
- Presión máxima de trabajo: 3000 Pa.
- Temperatura de trabajo: -20 a 110°C.
- Velocidad máxima: 20m/s.

APLICACIONES

- Se suministra en tramos de 10 metros para instalaciones de sistemas de aire acondicionado, ventilación y VMC.

| Code | Model | Ø mm | R.R.P € |
|----------|------------|------|---------|
| Código | Modelo | Ø mm | P.V.P € |
| 10000569 | COMBI Ø102 | 102 | 22,50 |
| 10000570 | COMBI Ø127 | 127 | 24,70 |
| 10000571 | COMBI Ø152 | 152 | 27,20 |
| 10000572 | COMBI Ø160 | 160 | 61,40 |
| 10000574 | COMBI Ø203 | 203 | 40,70 |
| 10000576 | COMBI Ø254 | 254 | 53,40 |
| 10000577 | COMBI Ø354 | 305 | 62,90 |
| 10000578 | COMBI Ø315 | 315 | 77,00 |
| 10000579 | COMBI Ø356 | 356 | 85,70 |
| 10000580 | COMBI Ø406 | 406 | 97,00 |

THERMI-CV

Reinforced flexible tube with thermal insulation of aluminium
Conducto flexible con aislamiento térmico de aluminio e interior reforzado

MANUFACTURING FEATURES

- Thermally insulated flexible duct manufactured with inner tube 3 layers of aluminium and 2 layers of polyester.
- Reinforced internally with spiral steel wire. 25mm mineral wool insulation, exterior coating with aluminium and polyester multilayer pipe that works as an optimal vapor barrier and prevents condensation.
- Classification of fire resistance: M1.
- Maximum working pressure: 3000 Pa.
- Working temperature: -30 to 140°C.
- Maximum speed: 30m/s.

APPLICATIONS

- In sections of 10 meters for installations of air conditioning, ventilation and VMC systems.

CARACTERÍSTICAS CONSTRUCTIVAS

- Conducto flexible aislado térmicamente fabricado con tubo interior 3 capas de aluminio y 2 capas de poliéster.
- Reforzado interiormente con alambre de acero en espiral. Aislamiento de 25mm de lana mineral, recubrimiento exterior con tubo multicapa de aluminio y poliéster que funciona como óptima barrera de vapor y evita la condensación.
- Clasificación de resistencia al fuego: M1.
- Presión máxima de trabajo: 3000 Pa.
- Temperatura de trabajo: -30 a 140°C.
- Velocidad máxima: 30m/s.

APLICACIONES

- Se suministra en tramos de 10 metros para instalaciones de sistemas de aire acondicionado, ventilación y VMC.

| Code | Model | Ø mm | R.R.P. € |
|----------|-------------|------|----------|
| Código | Modelo | Ø mm | P.V.P € |
| 10000601 | THERMI Ø102 | 102 | 36,00 |
| 10000602 | THERMI Ø127 | 127 | 49,00 |
| 10000603 | THERMI Ø152 | 152 | 52,70 |
| 10000604 | THERMI Ø160 | 160 | 50,10 |
| 10000606 | THERMI Ø203 | 203 | 73,80 |
| 10000608 | THERMI Ø254 | 254 | 91,60 |
| 10000610 | THERMI Ø305 | 305 | 110,10 |
| 10000611 | THERMI Ø315 | 315 | 117,70 |
| 10000612 | THERMI Ø356 | 356 | 120,60 |
| 10000613 | THERMI Ø406 | 406 | 147,10 |
| 10000614 | THERMI Ø457 | 457 | 177,70 |
| 10000615 | THERMI Ø508 | 508 | 218,70 |

PHONI-CV M1/M1

Flexible tube with thermal-acoustic insulation classification M1 of fire resistance
Conducto flexible con aislamiento termoacústico clasificación M1 de resistencia al fuego

MANUFACTURING FEATURES

- Flexible insulated thermo-acoustic tube made with inner tube 3 layers of aluminium and 2 layers of polyester.
- Reinforced internally with spiral steel wire, 25mm mineral wool insulation, exterior coating with aluminium and polyester multilayer pipe that works as an optimal vapor barrier and prevents condensation.
- Maximum working pressure: 2000 Pa.
- Working temperature: -30 to 140°C.
- Maximum speed: 30m/s.

APPLICATIONS

- In sections of 10 meters for installations of air conditioning, ventilation and VMC systems.

CARACTERÍSTICAS CONSTRUCTIVAS

- Conducto flexible aislado termoacústicamente fabricado con tubo interior 3 capas de aluminio y 2 capas de poliéster.
- Reforzado interiormente con alambre de acero en espiral, aislamiento de 25mm de lana mineral, recubrimiento exterior con tubo multicapa de aluminio y poliéster que funciona como óptima barrera de vapor y evita la condensación.
- Presión máxima de trabajo: 2000 Pa.
- Temperatura de trabajo: -30 a 140°C.
- Velocidad máxima: 30m/s.

APLICACIONES

- Se suministra en tramos de 10 metros para instalaciones de sistemas de aire acondicionado, ventilación y VMC.

| Code | Model | Ø mm | R.R.P. € |
|----------|---------------|------|----------|
| Código | Modelo | Ø mm | P.V.P € |
| 10000584 | PHONI M1 Ø102 | 102 | 46,90 |
| 10000585 | PHONI M1 Ø127 | 127 | 44,30 |
| 10000586 | PHONI M1 Ø152 | 152 | 47,20 |
| 10000587 | PHONI M1 Ø160 | 160 | 50,10 |
| 10000589 | PHONI M1 Ø203 | 203 | 63,90 |
| 10000591 | PHONI M1 Ø254 | 254 | 96,30 |
| 10000593 | PHONI M1 Ø305 | 305 | 117,70 |
| 10000594 | PHONI M1 Ø315 | 315 | 134,10 |
| 10000595 | PHONI M1 Ø356 | 356 | 146,10 |
| 10000596 | PHONI M1 Ø406 | 406 | 180,90 |
| 10000597 | PHONI M1 Ø457 | 457 | 187,50 |
| 10000598 | PHONI M1 Ø508 | 508 | 221,60 |

MFVC M1



PVC flexible tube M1 classification fire resistance

Conducto flexible de PVC clasificación M1 de resistencia al fuego

MANUFACTURING FEATURES

- Flexible double layer 70 micron PVC duct with axial steel wire reinforcement covered with PVC.
- Maximum working pressure: 3000 Pa.
- Working temperature: -30 to 80°C.
- Maximum speed: 30m/s.

APPLICATIONS

- Single • Suitable for air conditioning systems and low and medium pressure ventilation.
- In sections of 6 meters for installation of air conditioning, ventilation and VMC systems.

CARACTERÍSTICAS CONSTRUCTIVAS

- Conducto flexible de doble capa de 70 micras de PVC con armadura helicoidal de alambre de acero recubierta de PVC.
- Presión máxima de trabajo: 3000 Pa.
- Temperatura de trabajo: -30 a 80°C.
- Velocidad máxima: 30m/s.

APLICACIONES

- Indicado para sistemas de aire acondicionado y ventilación de baja y media presión.
- Se suministra en tramos de 6 metros para instalaciones de sistemas de aire acondicionado, ventilación y VMC.

| Code | Model | Ø mm | R.R.P € |
|----------|--------------|------|---------|
| Código | Modelo | Ø mm | P.V.P € |
| 10009052 | MFVC M1 Ø80 | 80 | 10,90 |
| 10009053 | MFVC M1 Ø100 | 100 | 12,20 |
| 10009054 | MFVC M1 Ø125 | 125 | 14,40 |
| 10009055 | MFVC M1 Ø160 | 160 | 18,30 |
| 10009057 | MFVC M1 Ø200 | 200 | 23,50 |
| 10009058 | MFVC M1 Ø250 | 250 | 32,00 |
| 10009059 | MFVC M1 Ø315 | 315 | 89,20 |
| 10009060 | MFVC M1 Ø355 | 355 | 57,10 |
| 10009061 | MFVC M1 Ø400 | 400 | 127,70 |
| 10009062 | MFVC M1 Ø450 | 450 | 68,90 |
| 10009063 | MFVC M1 Ø500 | 500 | 69,50 |



Heat recovery units

Recuperadores de calor



CEPHIRUS-2

ARUMAK LP

ARUMAK

KOXA

ABRENSA EEC

ARUMAK LP EEC

ARUMAK EEC

DOMEX EEC

MAKNA EEC

CIRKEDO EEC

SELECTION CHART | TABLA DE SELECCIÓN

| | AC | AC | AC | AC | EEC | EEC | EEC | EEC | EEC | EEC |
|--|-------------------|--------------------|-----------------------|----------------------|-------------------|--------------------|-------------------|----------------------|------------------------|------------------------|
| | | | | | | | | | | |
| | CEPHIRUS-2 | ARUMAK LP | ARUMAK | KOXA | ABRENSA EEC | ARUMAK LP EEC | ARUMAK EEC | DOMEX EEC | MAKNA EEC | CIRKEDO EEC |
| ErP 2018 | | | | | | | | | | |
| EUROVENT exchanger intercambiador | | | | | | | | | | |
| EXCHANGER CÉLULA DE INTERCAMBIO | | | | | | | | | | |
| IMPELLER TURBINA | Forward Acción | Forward Acción | Forward Acción | Backward Reacción | Forward Acción | Forward Acción | Forward Acción | Backward Reacción | Backward Reacción | Backward Reacción |
| MOTOR | | | | | | | | | | |
| AIRFLOW (m³/h) CAUDAL (m³/h) | 600-7000 | 500-4200 | 430-3700 | 8000-14000 | 600-6700 | 400-4000 | 430-2600 | 1000-5400 | 8000-13000 | 1200-8000 |
| CONFIGURATION CONFIGURACIÓN | | | | | | | | | | |
| WATER / ELECTRICAL COIL BATERÍA DE AGUA/ ELÉCTRICA | - | - | BA / BE | - | - | - | BA / BE | BA / BE | BA / BE | BA / BE |
| CONTROL | | CTRL-F CTRL-DPH | CTRL-DPH CTRL MAX² | CTRL-MAX | CTRL-MAX | CTRL-F CTRL-DPH | CTRL-DPH | CTRL-MAX | CTRL DPH, CTRL MAX² | CTRL DPH, CTRL MAX² |
| BY PASS | - | Partial Parcial | Total | - | Total | Partial Parcial | Total | Total | Total | Total |
| FILTERS FILTROS | F7/F7 F9/F9 | F7/F7 F7+F9/F7 | F7/F7 F7+F9/F7 | F7/F7 | F7/F7 | F7/F7 F7+F9/F7 | F7/F7 F7+F9/F7 | F7/F7 F7+F9/F7 | F7/F7 F7/M5 | F7/F7 F7/M5 |
| EFFICIENCY % EFICIENCIA % | 64 | 78 | 79 | 70 | 77 | 79 | 80 | 92 | 85 | 84 |

| | | | | |
|-----------------------------------|--|--|--|--|
| Electric coil Bateria eléctrica | Cold or heating water coil Bateria de agua fría o caliente | Cross flow exchanger Intercambiador de flujos cruzados | Counter flow exchanger Intercambiador de contraflujo | Rotary exchanger Intercambiador rotativo |
| | | | | |

FILTER EQUIVALENCE CHART ACCORDING TO STANDARDS | TABLA DE EQUIVALENCIA DE FILTROS SEGÚN NORMATIVA

| EN779 (Outdated / Obsoleto) | ASHRAE 52.2 | ISO ePM ₁ | ISO ePM _{2.5} | ISO ePM ₁₀ | ISO Course |
|--------------------------------|-------------|----------------------|------------------------|-----------------------|------------|
| G3 | MERV 5 | - | - | - | >80% |
| G4 | MERV 6-7 | - | - | - | >90% |
| M5 | MERV 8-9 | - | - | 50-65% | - |
| M6 | MERV 10-12 | - | 50-65% | 65-80% | - |
| F7 | MERV 13 | 50-65% | 65-80% | >80% | - |
| F8 | MERV 14 | 65-80% | >80% | >90% | - |
| F9 | MERV 15 | >80% | >95% | >95% | - |





ERP ECODESIGN DIRECTIVE 2009/125/CE -LOT 6- HEAT EXCHANGER UNITS

1. All ventilation units, except fans with more than one application range (for example, fans used for both ventilation and flue gas extraction) must be equipped with a variable speed controller or stepper.
2. All bidirectional ventilation units must have a heat recovery and thermal bypass system.
3. The heat recovery system will have a thermal bypass. This means regulation of heat recovery between 1-100%.
4. In double-flow air ventilation units, the minimum thermal efficiency of all heat recovery systems with balanced air flow (except for circulating fluid systems) will be effective as of January 1, 2018: Minimum 73 %.
5. In double-flow air ventilation units, the minimum thermal efficiency of the heat recovery systems with water coils in the balanced air flow will be as of January 1, 2018: Minimum 68%.
6. The relation between the specific fan power fan (SFP) and the efficiency of the heat recovery system is specified in a formula. If the efficiency in heat recovering, for example, is greater than 67%, a higher specific fan power (SFP) is allowed. This requirement will be implemented in two steps. The first step was implemented on January 1, 2016; and the second, with stricter demands, on January 1, 2018. First, a new value of SFP called SFPint is created. The SFPint is a theoretical value to allow an efficiency limit for different configurations of the recovery unit. The SFPint is calculated with clean M5 filters in return, with clean F7 filters in air supply, the exchanger itself and the air flow in the recovery unit. In Spain, the R.I.T.E. (Regulation of Thermal Installations in Buildings) that establishes criteria linked to the ERP Ecodesign Directive 2009/125/CE.

DIRECTIVA ERP ECODESIGN 2009/125/CE -LOTE 6- RECUPERADORES DE CALOR

1. Todas las unidades de ventilación, excepto los ventiladores con más de un rango de aplicación (por ejemplo, ventiladores utilizados tanto para la ventilación como para la extracción de gases de combustión) deben estar equipados con un controlador de velocidad variable o paso a paso.
2. Todas las unidades de ventilación bidireccionales deberán disponer de un sistema de recuperación de calor y bypass térmico.
3. El sistema de recuperación de calor tendrá una derivación térmica. Esto significa regulación de recuperación de calor entre 1-100%.
4. En las unidades de ventilación de doble flujo de aire, la eficiencia térmica mínima de todos los sistemas de recuperación de calor con flujo de aire equilibrado (excepto los sistemas de líquidos circulantes) será a partir del 1 de enero de 2018: Mínimo 73%.
5. En las unidades de ventilación de doble flujo de aire, la eficiencia térmica mínima de los sistemas de recuperación de calor con baterías de agua en el flujo de aire balanceado será a partir del 1 de enero de 2018: Mínimo 68%.
6. La relación entre la potencia específica del ventilador (SFP) y la eficiencia del sistema de recuperación de calor se especifica en una fórmula. Si la eficiencia en la recuperación de calor, por ejemplo, es superior al 67%, se permite una mayor potencia específica del ventilador (SFP). Este requisito se implementará en dos pasos. El primer paso se implementó el 1 de enero de 2016, y el segundo, con demandas más estrictas, el 1 de enero de 2018. Primero se crea un nuevo valor de SFP llamado SFPint. El SFPint es un valor teórico para permitir un límite de eficiencia para diferentes configuraciones del recuperador. El SFPint se calcula con los filtros M5 en retorno limpios, con los filtros F7 limpios en impulsión, el propio recuperador y el flujo de aire en la unidad de recuperación. En España, hay que tener en cuenta la R.I.T.E. (Reglamento de Instalaciones Térmicas en Edificios) que establece unos criterios ligados a la Directiva ERP Ecodesign 2009/125/CE.

CONTROLS FUNCTIONS | TABLA DE CONTROLES

| | | CTRL-F | CTRL-DPH | CTRL-MAX | CTRL-MAX ² |
|---|---|---|---|---|---|
| | |  |  |  |  |
| FAN ADJUSTMENT AJUSTES DEL VENTILADOR | Manual speed Velocidad manual | ✓ | ✓ | ✓ | ✓ |
| | Constant airflow (CAV) Caudal constante (CAV) | | ✓ | ✓ | ✓ |
| | Variable airflow: monozone application Caudal variable: aplicación monozona | | ✓ | ✓ | ✓ |
| | CO ₂ / HR / VOC 0-10 V external. Variable flow (VAV) CO ₂ / HR / VOC 0-10 V externo. Caudal variable (VAV) | | ✓ | ✓ | ✓ |
| | Management of the airflow by detection of presence Gestión del caudal por detección de presencia | | ✓ | ✓ | ✓ |
| | Constant pressure: Multizone application (COP) Presión constante: aplicación multizona (COP) | | ✓ | ✓ | ✓ |
| | Night management Gestión nocturna | | ✓ | ✓ | ✓ |
| REGULATION OF THE TEMPERATURE REGULACIÓN DE LA TEMPERATURA | Regulation on blowing / recovery temperature Regulación sobre la temperatura de soplado / recuperación | | ✓ | ✓ | ✓ |
| | Regulation on ambient temperature Regulación sobre la temperatura ambiente | | ✓ | ✓ | ✓ |
| | Regulation of the electric coil/ heating water coil Regulación de la batería eléctrica/ batería de agua caliente | | ✓ | ✓ | ✓ |
| | Possibility to manage 2 coils simultaneously for the dehumidification function Posibilidad de gestionar 2 baterías simultáneamente para la función de deshumidificación | | | | ✓ |
| | | | | | |
| HEAT RECOVERY INTERCAMBIADOR | By-pass management (free cooling/ free heating) Control del bypass (free cooling/ free heating) | ✓ | ✓ | ✓ | ✓ |
| FILTERS FILTROS | Indication of filter clogging Indicación de obstrucción de filtros | ✓ | ✓ | ✓ | ✓ |
| SECURITY OF THE UNIT SEGURIDAD DE LA UNIDAD | Post-ventilation(machine equipped with electric coil) Post-ventilación (máquina equipada con batería eléctrica) | | ✓ | ✓ | ✓ |
| | Thermal protection of fans Protección térmica de los ventiladores | | ✓ | ✓ | ✓ |
| | Thermal protection of electric batteries Protección térmica de las baterías eléctricas | | ✓ | ✓ | ✓ |
| | Frost protection water bobbin Protección contra heladas de la bobina | | ✓ | | ✓ |
| | Exchanger with frost protection Protección contra heladas del intercambiador | | ✓ | ✓ | ✓ |
| | Energy recovery in VMC in ERP 2018 Recuperación de energía en VMC en ERP 2018 | | ✓ | ✓ | ✓ |
| | Forcing dehumidification function (under request) Forzar la función de deshumidificación (bajo demanda) | | | | ✓ |
| | Remote status messages: active dehumidification function (under request) Mensajes de estado remoto: función de deshumidificación activa (bajo demanda) | | | | ✓ |
| PROGRAMMING PROGRAMACIÓN | Day / night and weekend Día / noche y fin de semana | | ✓ | ✓ | ✓ |
| | Automatic summer / winter change Cambio automático de verano / invierno | | | ✓ | ✓ |
| | Modulating bypass management Modulación de la gestión de bypass | | | | ✓ |
| | Automatic prevention of exchanger cooling through bypass regulation Prevención automática de la refrigeración del intercambiador mediante regulación de bypass | | | | ✓ |
| | | | | | |
| COMMUNICATION COMUNICACIÓN | Modbus RTU - RS 485 Modbus RTU - RS 485 | | | ✓ | ✓ |
| | Remote display and/or Modbus protocol (under request)-100 meters Display remoto y/o protocolo Modbus (bajo demanda)- 100 metros | | | ✓ | |
| TEMPERATURE INFORMATION INFORMACIÓN DE TEMPERATURA | Outside/interior temperature Temperatura exterior/interior | | ✓ | ✓ | ✓ |

VAV- Variable air volume | Volumen de aire variable

Using an 0-10V analog signal we can regulate the speed of the fans. Is necessary a CO₂ probe (accessory).

Mediante una señal analógica 0-10V podremos variar la velocidad de los ventiladores. Es necesario un sensor de CO₂ (accesorio).

CAV- Constant flow | Caudal constante

Configuration of the unit with control + CAV. In this way we can regulate the speed of the fans to ensure a constant air flow. The pressure probe will be installed in the unit. To independently control the extraction and the air supply, it is necessary to install 2 pressure probes (under request: double CAV kit).

Configuración de la unidad con control + CAV. De este modo podremos regular la velocidad de los ventiladores para garantizar un caudal de aire constante. La sonda de presión vendrá instalada en la unidad. Para controlar independientemente la extracción y la impulsión de aire, es necesario instalar 2 sensores de presión (bajo demanda: doble kit CAV).

COP-Constant pressure | Presión constante

Configuration of the unit with control + COP. In this way we can regulate the speed of the fans to guarantee a constant pressure in the ducts. The pressure probe will be installed in the unit. To independently control the extraction and the air supply, it is necessary to install 2 pressure probes (under request: double COP kit).

Configuración de la unidad con control + COP. De este modo podremos regular la velocidad de los ventiladores para garantizar una presión constante en los conductos. La sonda de presión vendrá instalada en la unidad. Para controlar independientemente la extracción y la impulsión de aire, es necesario instalar 2 sensores de presión (bajo demanda: doble kit COP).

CEPHIRUS-2

Cross flow heat recovery exchanger

Recuperador de energía de flujos cruzados aire-aire



64%



MANUFACTURING FEATURES

Heat recovery unit (Eff. 64%) with AC motor and crossflow heat exchanger, Eurovent certified. Assembled in insulated steel casing with double skin 25mm thickness panels. With ISO ePM1 70% / ISO ePM1 70% (F7/F7) or ISO ePM1 70% + ISO ePM1 >80% / ISO ePM1 70% (F7+F9/F7) filter. Vertical and horizontal installation versions.

CHASSIS:

- Modular structure in 30mm extruded aluminium profile with reinforced nylon corners.
- Double sandwich panel 25mm thickness, made of galvanized steel sheet with epoxy polyester insulated according to EN10327 and EN10192 with polystyrene (density of 30 Kg/m³).

HEAT EXCHANGER:

- Aluminium cross flow heat exchanger with 64% efficiency.
- Recuperator brand certified by Eurovent.

FANS:

- Direct motor centrifugal fans coupled with double inlet. Conforming to ErP 2018 and according to ISO 1940 and AMCA 204-G.25.

FILTERS:

- ISO ePM1 70% / ISO ePM1 70% (F7/F7) o ISO ePM1 70% + ISO ePM1 >80% / ISO ePM1 70% (F7+F9/F7) filters.

APPLICATIONS

- Shopping centres, small shops, Banks, hostelry, schools, office buildings, public buildings.

UNDER REQUEST

- ISO ePM1 >80% / ISO ePM1 70% (F7/F9) filters.
- Other special configurations.

CARACTERÍSTICAS CONSTRUCTIVAS

Unidad de recuperación de calor de eficiencia del 64% con motor AC e intercambiador de flujos cruzados certificado Eurovent, montados en cajas de acero aislados con paneles de doble pared de 25mm de espesor. Con filtros ISO ePM1 70% / ISO ePM1 70% (F7/F7) o ISO ePM1 70% + ISO ePM1 >80% / ISO ePM1 70% (F7+F9/F7). Versiones para instalación vertical y horizontal.

CHASIS:

- Estructura modular en perfil de aluminio extruido de 30mm con cantoneras de nailon reforzado.
- Paneles de doble pared de 25 mm de espesor en chapa de acero galvanizado con epoxy poliéster según EN10327 y EN10192 con un aislamiento de poliestireno con una densidad de 30 Kg/m³.

INTERCAMBIADOR DE CALOR:

- Intercambiador de calor de flujos cruzados de aluminio con eficiencia 64%.
- Marca Recuperator certificado por Eurovent.

VENTILADORES:

- Ventiladores centrifugos de motor directo acoplado a doble aspiración. Conformes al ErP 2018 y según norma ISO 1940 y AMCA 204-G.25.

FILTROS:

- Filtros ISO ePM1 70% / ISO ePM1 70% (F7/F7) o ISO ePM1 70% + ISO ePM1 >80% / ISO ePM1 70% (F7+F9/F7).

APLICACIONES

- Centros comerciales, pequeñas tiendas, bancos, hostelería, escuelas, edificios de oficinas, edificios públicos.

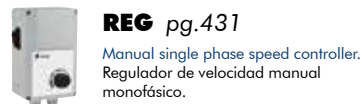
BAJO DEMANDA

- Filtros ISO ePM1 >80% / ISO ePM1 70% (F7/F9).
- Otras configuraciones especiales.

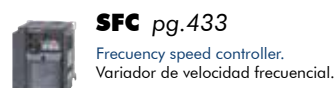
ACCESSORIES | ACCESORIOS



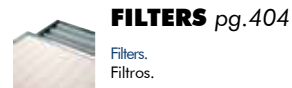
INT pg.434
Speed switch.
Interruptor de corte.



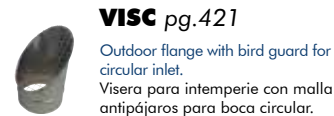
REG pg.431
Manual single phase speed controller.
Regulador de velocidad manual monofásico.



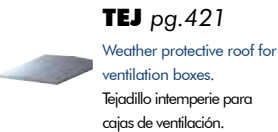
SFC pg.433
Frequency speed controller.
Variador de velocidad frecuencial.



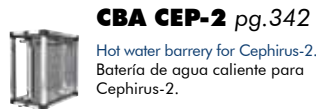
FILTERS pg.404
Filters.
Filtros.



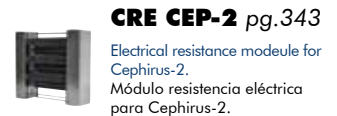
VISC pg.421
Outdoor flange with bird guard for circular inlet.
Visera para intemperie con malla antipájaros para boca circular.



TEJ pg.421
Weather protective roof for ventilation boxes.
Tejadillo intemperie para cajas de ventilación.



CBA CEP-2 pg.342
Hot water battery for Cephirus-2.
Batería de agua caliente para Cephirus-2.



CRE CEP-2 pg.343
Electrical resistance module for Cephirus-2.
Módulo resistencia eléctrica para Cephirus-2.



BP CEP-2 pg.343
Bypass for Cephirus-2.
Bypass para Cephirus-2.

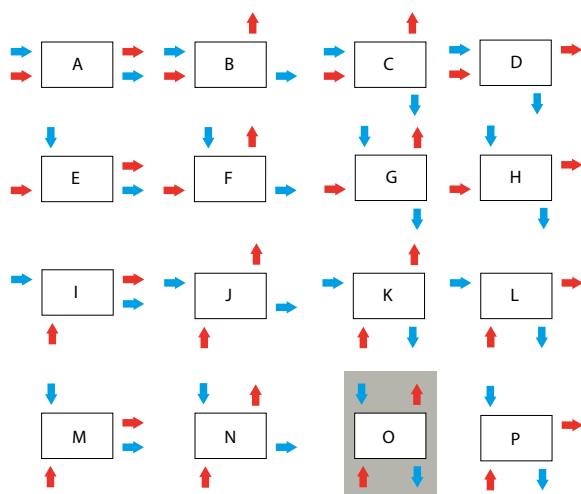
REFERENCES INTERPRETATION | INTERPRETACIÓN DE LAS REFERENCIAS

| CEPH06AH0000F7 | CEPHIRUS-2 | 600 | F7/F7 | H |
|----------------|-----------------------------|----------------|-----------------|-------------------------------|
| Code Código | Denomination Denominación | Model Modelo | Filter Filtro | Configuration Configuración |
| | | | | · Horizontal · Vertical |

TECHNICAL DATA | DATOS TÉCNICOS

| Model | R.P.M | Rated I (A) | | Power kW | IP motor | Air flow m³/h | Sound L _w dB(A) | | Weight Kg | |
|-----------------|-------|-------------|-------|-------------|----------|---------------|-----------------------------|-----------|------------|----------|
| | | 230V | 400V | | | | Radiated | Ducted | Horizontal | Vertical |
| Modelo | R.P.M | I. máx (A) | | Potencia kW | IP motor | Caudal m³/h | Sonido L _w dB(A) | | Peso Kg | |
| | | 230V | 400V | | | | Radiado | Conducido | Horizontal | Vertical |
| CEPHIRUS-2 600 | 920 | 2x0,86 | - | 2x0,195 | IP-20 | 670 | 41 | 52 | 54 | 64 |
| CEPHIRUS-2 900 | 1420 | 2x1,55 | - | 2x0,355 | IP-20 | 950 | 48 | 59 | 59 | 70 |
| CEPHIRUS-2 1500 | 1350 | 2x2,7 | - | 2x0,350 | IP-54 | 1.550 | 57 | 60 | 116 | 139 |
| CEPHIRUS-2 2100 | 1340 | 2x2,7 | - | 2x0,350 | IP-54 | 2.170 | 59 | 61 | 119 | 142 |
| CEPHIRUS-2 3500 | 1340 | 2x4,5 | - | 2x0,590 | IP-54 | 3.360 | 63 | 68 | 133 | 183 |
| CEPHIRUS-2 4600 | 920 | 2x6,7 | - | 2x0,760 | IP-54 | 4.250 | 69 | 75 | 215 | 258 |
| CEPHIRUS-2 6400 | 1420 | - | 2x3,9 | 2x1,5 | IP-55 | 6.380 | 70 | 77 | 221 | 265 |
| CEPHIRUS-2 7000 | 1420 | - | 2x3,9 | 2x1,5 | IP-55 | 6.400 | 71 | 78 | 234 | 280 |

AVAILABLE CONFIGURATIONS CEPHIRUS-2 HORIZONTAL | POSIBLES CONFIGURACIONES CEPHIRUS-2 HORIZONTAL

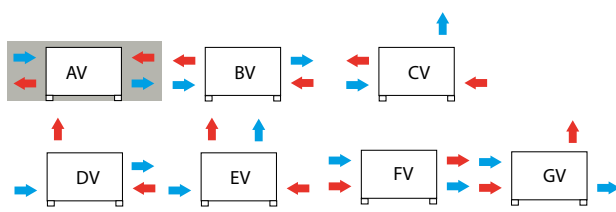


Standard configuration: O | Configuración estándar: O

FRESH AIR | AIRE NUEVO

EXHAUSTED AIR | AIRE EXTRAÍDO

AVAILABLE CONFIGURATIONS CEPHIRUS-2 VERTICAL | POSIBLES CONFIGURACIONES CEPHIRUS-2 VERTICAL



Standard configuration: AV | Configuración estándar: AV

FRESH AIR | AIRE NUEVO

EXHAUSTED AIR | AIRE EXTRAÍDO

CEPHIRUS-2 HORIZONTAL

| HORIZONTAL ePM1 70%/ePM1 70% (ex. F7/F7) | | | |
|---|-------------------|---------------------|--|
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| CEPH06OH0000F7 | CEPHIRUS-2 600 H | 1.867,60 | |
| CEPH09OH0000F7 | CEPHIRUS-2 900 H | 1.970,80 | |
| CEPH15OH0000F7 | CEPHIRUS-2 1500 H | 2.246,40 | |
| CEPH21OH0000F7 | CEPHIRUS-2 2100 H | 2.498,90 | |
| CEPH35OH0000F7 | CEPHIRUS-2 3500 H | 3.379,10 | |
| CEPH46OH0000F7 | CEPHIRUS-2 4600 H | 4.760,60 | |
| CEPH64OH0000F7 | CEPHIRUS-2 6400 H | 5.686,70 | |
| CEPH70OH0000F7 | CEPHIRUS-2 7000 H | 6.375,50 | |
| HORIZONTAL ePM1 70%+ePM1 <80%/ePM1 70% (ex. F7+F9/F7) | | | |
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| CEPH06OH0000F9 | CEPHIRUS-2 600 H | 2.001,70 | |
| CEPH09OH0000F9 | CEPHIRUS-2 900 H | 2.121,90 | |
| CEPH15OH0000F9 | CEPHIRUS-2 1500 H | 2.435,60 | |
| CEPH21OH0000F9 | CEPHIRUS-2 2100 H | 2.688,10 | |
| CEPH35OH0000F9 | CEPHIRUS-2 3500 H | 3.635,50 | |
| CEPH46OH0000F9 | CEPHIRUS-2 4600 H | 5.143,30 | |
| CEPH64OH0000F9 | CEPHIRUS-2 6400 H | 6.069,60 | |
| CEPH70OH0000F9 | CEPHIRUS-2 7000 H | 6.821,70 | |

CEPHIRUS-2 VERTICAL

| VERTICAL ePM1 70%/ePM1 70% (ex. F7/F7) | | | |
|--|-------------------|----------|----------|
| Code Código | Model Modelo | R.R.P. € | P.V.P. € |
| CEPH06AV0000F7 | CEPHIRUS-2 600 V | | 2.051,20 |
| CEPH09AV0000F7 | CEPHIRUS-2 900 V | | 2.162,10 |
| CEPH15AV0000F7 | CEPHIRUS-2 1500 V | | 2.464,50 |
| CEPH21AV0000F7 | CEPHIRUS-2 2100 V | | 2.740,10 |
| CEPH35AV0000F7 | CEPHIRUS-2 3500 V | | 3.712,10 |
| CEPH46AV0000F7 | CEPHIRUS-2 4600 V | | 5.231,30 |
| CEPH64AV0000F7 | CEPHIRUS-2 6400 V | | 6.253,10 |
| CEPH70AV0000F7 | CEPHIRUS-2 7000 V | | 7.007,00 |

| VERTICAL ePM1 70%+ePM1 <80%/ePM1 70% (ex. F7+F9/F7) | | | |
|---|-------------------|----------|----------|
| Code Código | Model Modelo | R.R.P. € | P.V.P. € |
| CEPH06AV0000F9 | CEPHIRUS-2 600 V | | 2.180,10 |
| CEPH09AV0000F9 | CEPHIRUS-2 900 V | | 2.307,80 |
| CEPH15AV0000F9 | CEPHIRUS-2 1500 V | | 2.648,40 |
| CEPH21AV0000F9 | CEPHIRUS-2 2100 V | | 2.924,00 |
| CEPH35AV0000F9 | CEPHIRUS-2 3500 V | | 3.963,20 |
| CEPH46AV0000F9 | CEPHIRUS-2 4600 V | | 5.608,80 |
| CEPH64AV0000F9 | CEPHIRUS-2 6400 V | | 6.630,50 |
| CEPH70AV0000F9 | CEPHIRUS-2 7000 V | | 7.447,80 |

FILTERS | FILTROS CEPHIRUS-2

| Replacement filters Supply / Extraction Filtros para recambio Impulsión / Extracción ePM1 70% (F7) | | | | | | |
|--|---|--------------------------|--------------------------|---|----------|----------|
| Code Código | Model Modelo | Dimensions Dimensiones | Application Aplicación | Filters for unit Filtros por unidad * | R.R.P. € | P.V.P. € |
| FLTCEPH06F7 | FILT. ePM1 70% CEPHIRUS-2 600-800 | 260x380 | CEPHIRUS-2 600 | 1 | | 77,80 |
| FLTCEPH09F7 | FILT. ePM1 70% CEPHIRUS-2 900-1100 | 260x450 | CEPHIRUS-2 900 | 1 | | 94,20 |
| FLTCEPH15F7 | FILT. ePM1 70% CEPHIRUS-2 1500/2100-1800/2600 | 400x480 | CEPHIRUS-2 1500-2100 | 1 | | 123,00 |
| FLTCEPH35F7 | FILT. ePM1 70% CEPHIRUS-2 2700-3500 | 500x570 | CEPHIRUS-2 3500 | 1 | | 157,60 |
| FLTCEPH46F7 | FILT. ePM1 70% CEPHIRUS-2 4600/6400-5100/6300 | 775x600 | CEPHIRUS-2 4600-6400 | 1 | | 198,50 |
| FLTCEPH70F7 | FILT. ePM1 70% CEPHIRUS-2 6500-7000 | 775x700 | CEPHIRUS-2 7000 | 1 | | 203,20 |

| Replacement filters Supply / Extraction Filtros para recambio Impulsión / Extracción ePM1 >80% (F9) | | | | | | |
|---|--|--------------------------|--------------------------|---|----------|----------|
| Code Código | Model Modelo | Dimensions Dimensiones | Application Aplicación | Filters for unit Filtros por unidad * | R.R.P. € | P.V.P. € |
| FLTCEPH06F9 | FILT. ePM1 >80% CEPHIRUS-2 600-800 | 260x380 | CEPHIRUS-2 600 | 1 | | 114,80 |
| FLTCEPH09F9 | FILT. ePM1 >80% CEPHIRUS-2 900-1100 | 260x450 | CEPHIRUS-2 900 | 1 | | 131,10 |
| FLTCEPH15F9 | FILT. ePM1 >80% CEPHIRUS-2 1500/2100-1800/2600 | 400x480 | CEPHIRUS-2 1500-2100 | 1 | | 168,20 |
| FLTCEPH35F9 | FILT. ePM1 >80% CEPHIRUS-2 2700-3500 | 500x570 | CEPHIRUS-2 3500 | 1 | | 233,50 |
| FLTCEPH46F9 | FILT. ePM1 >80% CEPHIRUS-2 4600/6400-5100/6300 | 775x600 | CEPHIRUS-2 4600-6400 | 1 | | 356,10 |
| FLTCEPH70F9 | FILT. ePM1 >80% CEPHIRUS-2 6500-7000 | 775x700 | CEPHIRUS-2 7000 | 1 | | 417,60 |

* When placing an order, please take into account that the filters RRP is unitary and must be multiplied by the indicated quantities for each unit of exchanger

* Al hacer el pedido debe tener en cuenta que el PVP de los filtros es unitario y debe multiplicarse por las cantidades indicadas para cada unidad de recuperador.

ROOF COWL | TEJADILLO CEPHIRUS-2

| Roof cowl for Tejadillo para lluvia para CEPHIRUS-2 Horizontal | | | |
|--|--------------------------------------|--------------------------|---------------------|
| Code Código | Model Modelo | Application Aplicación | R.R.P. € P.V.P. € |
| TEJCEPHI06 | TEJ CEPHIRUS-2 600-800 H | CEPHIRUS-2 600 | 118,70 |
| TEJCEPHI09 | TEJ CEPHIRUS-2 900-1100 H | CEPHIRUS-2 900 | 118,70 |
| TEJCEPHI15 | TEJ CEPHIRUS-2 1500/2100-1800/2600 H | CEPHIRUS-2 1500-2100 | 127,30 |
| TEJCEPHI35 | TEJ CEPHIRUS-2 2700-3500 H | CEPHIRUS-2 3500 | 160,00 |
| TEJCEPHI46 | TEJ CEPHIRUS-2 4600/6400-5100/6300 H | CEPHIRUS-2 4600-6400 | 192,70 |
| TEJCEPHI70 | TEJ CEPHIRUS-2 6500-7000 H | CEPHIRUS-2 7000 | 192,70 |

| Roof cowl for Tejadillo para lluvia para CEPHIRUS-2 Vertical | | | |
|--|--------------------------------------|--------------------------|---------------------|
| Code Código | Model Modelo | Application Aplicación | R.R.P. € P.V.P. € |
| TEJCEPHV06 | TEJ CEPHIRUS-2 600-800 V | CEPHIRUS-2 600 | 98,40 |
| TEJCEPHV09 | TEJ CEPHIRUS-2 900-1100 V | CEPHIRUS-2 900 | 98,40 |
| TEJCEPHV15 | TEJ CEPHIRUS-2 1500/2100-1800/2600 V | CEPHIRUS-2 1500-2100 | 106,60 |
| TEJCEPHV35 | TEJ CEPHIRUS-2 2700-3500 V | CEPHIRUS-2 3500 | 118,70 |
| TEJCEPHV46 | TEJ CEPHIRUS-2 4600/6400-5100/6300 V | CEPHIRUS-2 4600-6400 | 135,10 |
| TEJCEPHV70 | TEJ CEPHIRUS-2 6500-7000 V | CEPHIRUS-2 7000 | 135,10 |

ACCESSORIES | ACCESORIOS CEPHIRUS-2

| CBA CEP-2 | | | |
|---------------|---------------------|----------|----------|
| Code Código | Model Modelo | R.R.P. € | P.V.P. € |
| FX0050022 | CBA CEP-2 600 | | 771,20 |
| FX0050023 | CBA CEP-2 900 | | 794,50 |
| FX0050024 | CBA CEP-2 1500/2100 | | 961,60 |
| FX0050025 | CBA CEP-2 3500 | | 1.059,20 |
| FX0050026 | CBA CEP-2 4600/6400 | | 1.235,70 |
| FX0050027 | CBA CEP-2 7000 | | 1.314,70 |

| CRE CEP-2 | | | |
|---------------|---------------------|---------------------|--|
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| FX0050028 | CRE CEP-2 600 | 831,50 | |
| FX0050029 | CRE CEP-2 900 | 961,70 | |
| FX0050030 | CRE CEP-2 1500/2100 | 1.226,40 | |
| FX0050031 | CRE CEP-2 3500 | 1.570,20 | |
| FX0050032 | CRE CEP-2 4600/6400 | 1.844,30 | |
| FX0050033 | CRE CEP-2 7000 | 2.206,60 | |

| BP CEP-2 | | | |
|---------------|--------------------|---------------------|--|
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| FX0050016 | BP CEP-2 600 | 464,60 | |
| FX0050017 | BP CEP-2 900 | 571,40 | |
| FX0050018 | BP CEP-2 1500/2100 | 673,70 | |
| FX0050019 | BP CEP-2 3500 | 752,70 | |
| FX0050020 | BP CEP-2 4600/6400 | 864,00 | |
| FX0050021 | BP CEP-2 7000 | 933,80 | |



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> 100/120/150



Designed by: DANIEL PIVA

> EXTRACTOR PARA VENTANA
CON PERSIANA AUTOMÁTICA
ANTIRRETORNO <

> WINDOW EXTRACTOR
WITH AUTOMATIC BACKDRAUGHT
SHUTTER <

ARUMAK LP

Low profile counter flow heat exchanger for false ceiling

Recuperador de energía de contraflujo con perfil reducido para falso techo



78%



ACCESSORIES | ACCESORIOS

VISG pg.421



Outdoor flange with bird guard for circular inlet.
Visera para intemperie con malla antipájaros para boca circular.

TEJ pg.421



Weather protective roof for ventilation boxes.
Tejadillo intemperie para cajas de ventilación.

FILTERS pg.404



Filters.
Filtros.

MANUFACTURING FEATURES

Medium-high efficiency heat recovery unit (Eff.78%). Low profile with electronic regulation and AC motor for optimized management. Counter flow heat exchanger, Eurovent certified, assembled in insulated steel casing with sandwich polyurethane foam panels. With partial bypass and regulation control. With filters ISO ePM1 70% / ISO ePM1 70% (F7/F7) or ISO ePM1 70% + ISO ePM1 >80% / ISO ePM1 70%. Horizontal and false ceiling installation version.

CHASSIS:

- Modular structure made of extruded aluminium profiles and double skin Aluzinc.
- Made up of sandwich panels with injected polyurethane foam insulation and density 42 kg/m³.

HEAT EXCHANGER:

- Aluminium counter flow heat exchanger, 78% efficiency.
- Recutech brand certified by Eurovent.

FANS:

- Centrifugal fans with direct motor coupled with double inlet according to ErP 2018.

FILTERS:

- Filters ISO ePM1 70% / ISO ePM1 70% (F7/F7) or ISO ePM1 70% + ISO ePM1 >80% / ISO ePM1 70% (F7+F9/F7).
- Maintenance through below panel.

CONTROL:

- CTRL-F: speed selection depending on model, bypass ON/OFF, 3 temperatures and indication of filter clogging failure. No portable display. Optional: portable display with connection cables.
- CTRL-DPH: speed selection depending on model, automatic bypass management. Temperature regulation, failure detection and scheduling.

APPLICATIONS

- Malls, small shops, banks, hostelry, schools, office buildings, public buildings.

UNDER REQUEST

- ISO ePM1 >80% / ISO ePM1 70% (F7/F9) filters.
- CTRL-MAX2 with Modbus RTU protocol
- Other special configurations.

CARACTERÍSTICAS CONSTRUCTIVAS

Unidad de recuperación de calor de media-alta eficiencia (Eff. 78%) de bajo perfil con regulación electrónica y motor AC para una gestión optimizada. Con intercambiador de contraflujo certificado Eurovent, montados en cajas de acero aislados con paneles de doble pared de espuma de poliuretano. Con bypass parcial y control de regulación. Con filtros ISO ePM1 70% / ISO ePM1 70% (F7/F7) o ISO ePM1 70% + ISO ePM1 >80% / ISO ePM1 70% (F7+F9/F7). Versiones para instalación horizontal y en falso techo.

CHASIS:

- Estructura modular, en perfil de aluminio extruido y paneles sándwich de Aluzinc.
- Paneles de doble pared aislado por espuma de poliuretano de densidad 42 Kg/m³.

INTERCAMBIADOR DE CALOR:

- Intercambiador de calor de contraflujo de aluminio con eficiencia 78%.
- Marca Recutech certificado por Eurovent.

VENTILADORES:

- Ventiladores centrifugos de doble aspiración de motor directo conformes al ErP 2018.

FILTROS:

- Filtros ISO ePM1 70% / ISO ePM1 70% (F7/F7) o ISO ePM1 70% + ISO ePM1 >80% / ISO ePM1 70% (F7+F9/F7).
- Mantenimiento por la parte inferior.

CONTROL:

- CTRL-F: Selector de velocidades según modelo, ON/OFF del bypass, input de 3 temperaturas y alarma indicación de colmatación de filtros. No deportable. En opción, display deportable con conexionado.
- CTRL-DPH: Selector de velocidades según modelo, gestiona de manera automática el bypass. Regulación de la temperatura, detección de fallos y programación horaria.

APLICACIONES

- Centros comerciales, pequeñas tiendas, bancos, hostelería, escuelas, edificios de oficinas, edificios públicos.

BAJO DEMANDA

- Filtros ISO ePM1 >80% / ISO ePM1 70% (F7/F9).
- CTRL-MAX2 con protocolo Modbus RTU.
- Otras configuraciones especiales.

REFERENCES INTERPRETATION | INTERPRETACIÓN DE LAS REFERENCIAS

| AL05AH1F00F7 | ARUMAK LP | 500 | BP | CTRL-F | F7/F7 | H |
|---------------|-----------------------------|----------------|--------|------------------------|-------------------------|-------------------------------|
| Code Código | Denomination Denominación | Model Modelo | Bypass | Control | Filter Filtro | Configuration Configuración |
| | | | | · CTRL-F · CTRL-DPH | · F7/F7 · F7 + F9/F7 | · Horizontal |

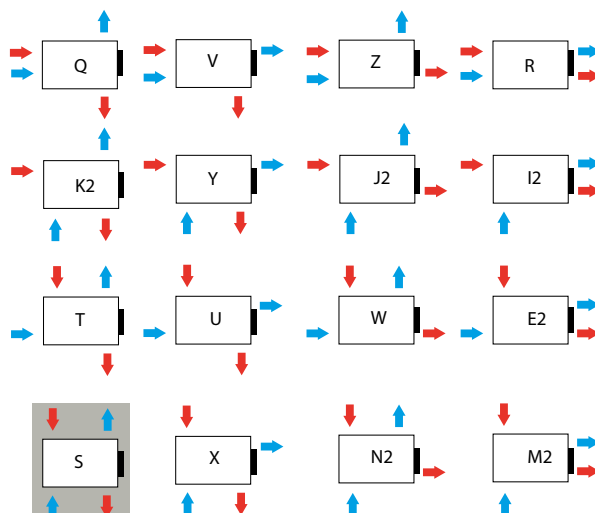
TECHNICAL DATA | DATOS TÉCNICOS

| Model | Rated I (A) 230 V | Rated Power kW | Air flow m³/h | Speeds | Weight Kg |
|----------------|--------------------|----------------|------------------|-------------|-----------|
| Modelo | I nominal (A) 230V | Pot. nom kW | Caudal máx. m³/h | Velocidades | Peso Kg |
| ARUMAK LP 470 | 2x0,7 | 2x0,15 | 470 | 4 | 74 |
| ARUMAK LP 850 | 2x1,3 | 2x0,29 | 850 | 4 | 91 |
| ARUMAK LP 1750 | 2x2,8 | 2x0,6 | 1750 | 3 | 142 |
| ARUMAK LP 2100 | 2x2,8 | 2x0,6 | 2100 | 3 | 150 |
| ARUMAK LP 2900 | 2x5,0 | 2x0,37 | 2900 | 3 | 273 |
| ARUMAK LP 4200 | 2x9,6 | 2x0,37 | 4200 | 3 | 291 |

ARUMAK LP HORIZONTAL

| ePM1 70%/ePM1 70% (ex. F7/F7) CTRL-F Horizontal | | | |
|--|------------------------------|---------------------|--|
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| AL04SH1F00F7 | ARUMAK LP 470 BP CTRL-F H | 3.244,90 | |
| AL08SH1F00F7 | ARUMAK LP 850 BP CTRL-F H | 3.804,70 | |
| AL17SH1F00F7 | ARUMAK LP 1750 BP CTRL-F H | 4.828,80 | |
| AL21SH1F00F7 | ARUMAK LP 2100 BP CTRL-F H | 5.273,60 | |
| AL29SH1F00F7 | ARUMAK LP 2900 BP CTRL-F H | 7.188,70 | |
| ePM1 70%/ePM1 70% (ex. F7/F7) CTRL-DPH Horizontal | | | |
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| AL04SH1PH00F7 | ARUMAK LP 470 BP CTRL-DPH H | 3.937,70 | |
| AL08SH1PH00F7 | ARUMAK LP 850 BP CTRL-DPH H | 4.497,50 | |
| AL17SH1PH00F7 | ARUMAK LP 1750 BP CTRL-DPH H | 5.521,50 | |
| AL21SH1PH00F7 | ARUMAK LP 2100 BP CTRL-DPH H | 5.966,40 | |
| AL29SH1PH00F7 | ARUMAK LP 2900 BP CTRL-DPH H | 7.881,40 | |
| AL42SH1PH00F7 | ARUMAK LP 4200 BP CTRL-DPH H | 9.915,00 | |
| ePM1 70%+ePM1 >80%/ePM1 70% (ex. F7+F9/F7) CTRL-F Horizontal | | | |
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| AL04SH1F00F9 | ARUMAK LP 470 BP CTRL-F H | 3.323,60 | |
| AL08SH1F00F9 | ARUMAK LP 850 BP CTRL-F H | 3.918,30 | |
| AL17SH1F00F9 | ARUMAK LP 1750 BP CTRL-F H | 4.989,50 | |
| AL21SH1F00F9 | ARUMAK LP 2100 BP CTRL-F H | 5.434,50 | |
| AL29SH1F00F9 | ARUMAK LP 2900 BP CTRL-F H | 7.443,80 | |
| ePM1 70%+ePM1 >80%/ePM1 70% (ex. F7+F9/F7) CTRL-DPH Horizontal | | | |
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| AL04SH1PH00F9 | ARUMAK LP 470 BP CTRL-DPH H | 4.016,30 | |
| AL08SH1PH00F9 | ARUMAK LP 850 BP CTRL-DPH H | 4.611,10 | |
| AL17SH1PH00F9 | ARUMAK LP 1750 BP CTRL-DPH H | 5.682,30 | |
| AL21SH1PH00F9 | ARUMAK LP 2100 BP CTRL-DPH H | 6.127,20 | |
| AL29SH1PH00F9 | ARUMAK LP 2900 BP CTRL-DPH H | 8.136,50 | |
| AL42SH1PH00F9 | ARUMAK LP 4200 BP CTRL-DPH H | 10.254,70 | |

CONFIGURATIONS ARUMAK LP 470-1750 | CONFIGURACIONES ARUMAK LP 470-1750

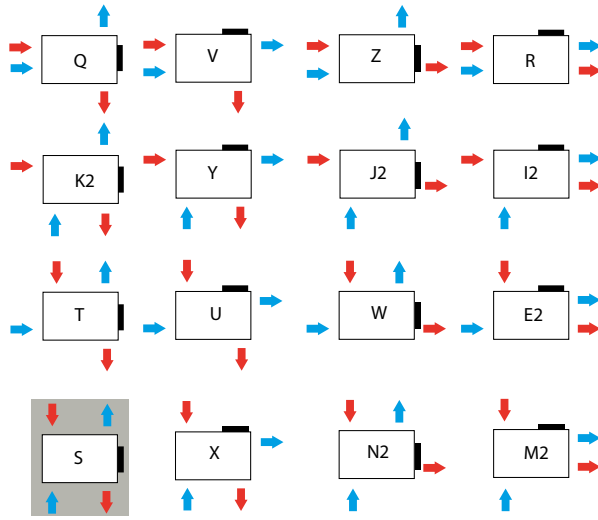


Standard configuration: SH | Configuración estándar: SH

FRESH AIR | AIRE NUEVO

EXHAUSTED AIR | AIRE EXTRAÍDO

CONFIGURATIONS ARUMAK LP 2100-4200 | CONFIGURACIONES ARUMAK LP 2100-4200



Standard configuration: SH | Configuración estándar: SH

FRESH AIR | AIRE NUEVO

EXHAUSTED AIR | AIRE EXTRAÍDO

FILTERS | FILTROS ARUMAK LP

Replacement filters for extraction and supply (in 1st stage) | Filtros para recambio para extracción e impulsión (impulsión en 1ª etapa) ePM1 70% (ex. F7)

| Code Código | Model Modelo | Dimensions Dimensiones | Application Aplicación | Filters for unit Filtros por unidad * | R.R.P. € P.V.P. € |
|---------------|--|--------------------------|--|---|---------------------|
| FLTEAKLP05F7 | FILT. ePM1 70% ARUMAK LP 470 / ARUMAK LP EEC 425 (OUT) | 292 x 292 x 48 | ARUMAK LP 470/ ARUMAK LP EEC 425 | 1 | 62,90 |
| FLTEAKLP09F7 | FILT. ePM1 70% ARUMAK LP 850 / ARUMAK LP EEC 900 (OUT) | 430 x 350 x 48 | ARUMAK LP 850/ ARUMAK LP EEC 900 | 1 | 97,50 |
| FLTEAKLP20F7 | FILT. ePM1 70% ARUMAK LP 1750-2100 / ARUMAK LP EEC 1800 (OUT) | 400 x 625 x 48 | ARUMAK LP 1750-2100 / ARUMAK LP EEC 1800 | 1 | 183,80 |
| FLTEAKLP35F7 | FILT. ePM1 70% ARUMAK LP 2900/4200 / ARUMAK LP EEC 2700/4000 (OUT) | 480 x 265 x 48 | ARUMAK LP 2900/ ARUMAK LP EEC 2700 ARUMAK LP 4200/ ARUMAK LP EEC 4000 | 3 4 | 75,20 |

Replacement filters for supply (only 2nd stage) | Filtros para recambio para impulsión (sólo 2ª etapa) ePM1 70% (ex. F7)

| Code Código | Model Modelo | Dimensions Dimensiones | Application Aplicación | Filters for unit Filtros por unidad * | R.R.P. € P.V.P. € |
|---------------|---|--------------------------|--|---|---------------------|
| FLTIAKLP05F7 | FILT. ePM1 70% ARUMAK LP 470 / ARUMAK LP EEC 425 (IN) | 292 x 146 x 25 | ARUMAK LP 470/ ARUMAK LP EEC 425 | 2 | 35,80 |
| FLTIAKLP09F7 | FILT. ePM1 70% ARUMAK LP 850 / ARUMAK LP EEC 900 (IN) | 430 x 175 x 25 | ARUMAK LP 850/ ARUMAK LP EEC 900 | 2 | 54,30 |
| FLTIAKLP20F7 | FILT. ePM1 70% ARUMAK LP 1750-2100 / ARUMAK LP EEC 1800 (IN) | 200 x 625 x 25 | ARUMAK LP 1750-2100/ ARUMAK LP EEC 1800 | 2 | 58,00 |
| FLTIAKLP35F7 | FILT. ePM1 70% ARUMAK LP 2900/4200 / ARUMAK LP EEC 2700/4000 (IN) | 480 x 265 x 25 | ARUMAK LP 2900/ ARUMAK LP EEC 2700 ARUMAK LP 4200/ ARUMAK LP EEC 4000 | 3 4 | 72,80 |

Replacement filters for supply | Filtros para recambio para impulsión ePM1 >80% (ex. F9)

| Code Código | Model Modelo | Dimensions Dimensiones | Application Aplicación | Filters for unit Filtros por unidad * | R.R.P. € P.V.P. € |
|---------------|---|--------------------------|---|---|---------------------|
| FLTIAKLP05F9 | FILT. ePM1 >80% ARUMAK LP 470 / ARUMAK LP EEC 425 | 292 x 292 x 48 | ARUMAK LP 470 / ARUMAK LP EEC 425 | 1 | 103,60 |
| FLTIAKLP09F9 | FILT. ePM1 >80% ARUMAK LP 850 / ARUMAK LP EEC 900 | 430 x 350 x 48 | ARUMAK LP 850 / ARUMAK LP EEC 900 | 1 | 136,90 |
| FLTIAKLP20F9 | FILT. ePM1 >80% ARUMAK LP 1750-2100 / ARUMAK LP EEC 1800 | 400 x 625 x 48 | ARUMAK LP 1750-2100/ ARUMAK LP EEC 1800 | 1 | 209,70 |
| FLTIAKLP35F9 | FILT. ePM1 >80% ARUMAK LP 2900/4200 / ARUMAK LP EEC 2700/4000 | 480 x 265 x 48 | ARUMAK LP 2900 / ARUMAK LP EEC 2700 ARUMAK LP 4200/ ARUMAK LP EEC 4000 | 3 4 | 102,40 |

* When placing an order, please take into account that the filters RRP is unitary and must be multiplied by the indicated quantities for each unit of exchanger

* Al hacer el pedido debe tener en cuenta que el PVP de los filtros es unitario y debe multiplicarse por las cantidades indicadas para cada unidad de recuperador.

ROOF COWL | TEJADILLO ARUMAK LP

Weather protection cowl | Tejadillo para lluvia para ARUMAK LP & ARUMAK LP EEC

| Code Código | Model Modelo | Application Aplicación | R.R.P. € P.V.P. € |
|---------------|--|--|---------------------|
| TEJAKLP05 | TEJ ARUMAK LP 550 / ARUMAK LP EEC 425 | ARUMAK LP 470 / ARUMAK LP EEC 425 | 152,90 |
| TEJAKLP09 | TEJ ARUMAK LP 1000 / ARUMAK LP EEC 900 | ARUMAK LP 850 / ARUMAK LP EEC 900 | 160,30 |
| TEJAKLP20 | TEJ ARUMAK LP 2200-2500 / ARUMAK LP EEC 1800 | ARUMAK LP 1750-2100 / ARUMAK LP EEC 1800 | 204,80 |
| TEJAKLP30 | TEJ ARUMAK LP 2300/ ARUMAK LP EEC 2700 | ARUMAK LP 2900/ ARUMAK LP EEC 2700 | 293,60 |
| TEJAKLP42 | TEJ ARUMAK LP 3400/ ARUMAK LP EEC 4000 | ARUMAK LP 4200/ ARUMAK LP EEC 4000 | 397,20 |

ARUMAK

Counter flow heat recovery unit

Recuperador de energía de contraflujo



79%



MANUFACTURING FEATURES

Medium-high efficiency heat recovery unit (Eff.79%) with AC motor for optimized management. Counter flow heat exchanger, Eurovent certified, assembled in insulated steel casing with sandwich polyurethane foam panels. With total bypass and regulation control CTRL-DPH (see options in control chart). Configuration options: without heating, with electric or heating water coil integrated in the unit. With ISO ePM1 70% or ISO ePM1 70% + ISO ePM1 >80% / ISO ePM1 70% (F7+F9/F7) filters. Vertical and horizontal outside installation.

CHASSIS:

- Modular structure made of extruded aluminium profiles and double skin Aluzinc.
- Sandwich panels with injected polyurethane foam insulation, density 42 Kg/m³.

HEAT EXCHANGER:

- Aluminium counter flow heat exchanger with 79% efficiency.
- Recutech brand certified by Eurovent.

FANS:

- Centrifugal fans with direct motor coupled with double inlet according to ErP 2018.

FILTERS:

- ISO ePM1 70% / ISO ePM1 70% (F7/F7) or ISO ePM1 70% + ISO ePM1 >80% / ISO ePM1 70% (F7+F9/F7) filters.

CONTROL:

- CTRL-DPH: manual speed, manages post-heating of the air with electric or water coils, bypass automatic management. Regulation of temperature, failure detection, scheduling.

APPLICATIONS

- Malls, small shops, banks, hostelry, schools, office buildings, public buildings.

UNDER REQUEST

- Cold water coil.
- Manual bypass.
- ISO ePM1 >80% / ISO ePM1 70% (F7/F9) filters.
- CTRL-MAX2 with Modbus RTU protocol.
- Other special configurations.

CARACTERÍSTICAS CONSTRUCTIVAS

Unidad de recuperación de calor de media-alta eficiencia (Eff. 79%) con motor AC para una gestión optimizada e intercambiador de contraflujo certificado Eurovent, montados en cajas de acero aislados con paneles de doble pared de espuma de poliuretano. Con bypass total y control de regulación CTRL-DPH (ver opciones en cuadro de controles). Diversas opciones de configuración: sin calefacción, con batería eléctrica o de agua caliente integradas en la unidad. Con filtros ISO ePM1 70% / ISO ePM1 70% (F7/F7) o ISO ePM1 70% + ISO ePM1 >80% / ISO ePM1 70% (F7+F9/F7). Versiones para instalación vertical y horizontal exterior.

CHASSIS:

- Estructura modular, en perfil de aluminio extruido y paneles sándwich de Aluzinc.
- Paneles de doble pared aislado por espuma de poliuretano de densidad 42 Kg/m³.

INTERCAMBIADOR DE CALOR:

- Intercambiador de calor de contraflujo de aluminio con eficiencia 79%.
- Marca Recutech certificado por Eurovent.

VENTILADORES:

- Ventiladores centrífugos de motor directo acoplado a doble aspiración. Conformes al ErP 2018.

FILTROS:

- Filtros ISO ePM1 70% / ISO ePM1 70% (F7/F7) o ISO ePM1 70% + ISO ePM1 >80% / ISO ePM1 70% (F7+F9/F7).

CONTROL:

- Control DPH: velocidad manual, gestiona el post-calentamiento del aire con baterías eléctrica o de agua, gestión automática del bypass. Regulación de la temperatura, detección de fallos, programación horaria.

APLICACIONES

- Centros comerciales, pequeñas tiendas, bancos, hostelería, escuelas, edificios de oficinas, edificios públicos.

BAJO DEMANDA

- Batería de agua fría.
- By pass manual.
- Filtros ISO ePM1 >80% / ISO ePM1 70% (F7/F9).
- CTRL-MAX2 con protocolo Modbus RTU.
- Otras configuraciones especiales.

ACCESSORIES | ACCESORIOS



SFC pg.433

Frecuency speed controller. Variador de velocidad frecuencial.



SCO2 pg.435

CO₂, HR and temperature probe. Sonda de CO₂, HR, y temperatura.



DCO2 pg.435

CO₂, HR and temperature probe for duct. Sonda de CO₂, HR, y temperatura para conducto.



FILTERS pg.404

Filtros. Filtros.



VISC pg.421

Outdoor flange with bird guard for circular inlet. Visera para intemperie con malla antipájaros para boca circular.



TEJ pg.421

Weather protective roof for ventilation boxes. Tejadillo intemperie para cajas de ventilación.

REFERENCES INTERPRETATION | INTERPRETACIÓN DE LAS REFERENCIAS

| AK04AV1PHBE0F9 | ARUMAK | 400 | BP | CTRL-DPH | F7 + F9/F7 | BE 1ph | V |
|----------------|-----------------------------|----------------|--------|------------|-------------------------|----------------|-------------------------------|
| Code Código | Denomination Denominación | Model Modelo | Bypass | Control | Filter Filtro | Coil Batería | Configuration Configuración |
| | | | | · CTRL-DPH | · F7/F7 · F7 + F9/F7 | · BE · BA | · Horizontal · Vertical |

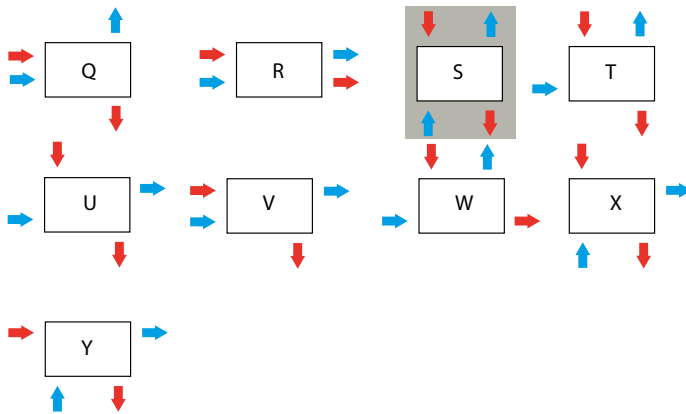
TECHNICAL DATA | DATOS TÉCNICOS

| HEAT RECOVERY UNIT UNIDAD DE RECUPERACIÓN | | | | | | | |
|---|--------------------------------|----------------------------|--|------------------------|----------------------------------|-----------------|------------------|
| Model Modelo | Rated I (A) I. nom. (A) 230V | Rated power Pot. nom. kW | Air flow m ³ /h Caudal máx. m ³ /h | Water coil Bat. agua | Electrical coil Bat. eléctrica | | Weight Peso Kg |
| ARUMAK 430 BP CTRL-DPH | 2x0,6 | 2x0,15 | 430 | BA ARUMAK 1 | BE 1ph ARUMAK 1 | | 98,5 |
| ARUMAK 800 BP CTRL-DPH | 2x1,2 | 2x0,29 | 800 | BA ARUMAK 2 | BE 1ph ARUMAK 2 | | 115 |
| ARUMAK 2100 BP CTRL-DPH | 2x2,7 | 2x0,6 | 2100 | BA ARUMAK 3 | BE 1ph ARUMAK 3 | | 276 |
| ARUMAK 2600 BP CTRL-DPH | 2x3,9 | 2x0,37 | 2600 | BA ARUMAK 4 | BE 1ph ARUMAK 4 | BE 3ph ARUMAK 1 | 363 |
| ARUMAK 3700 BP CTRL-DPH | 2x7,8 | 2x1,36 | 3700 | BA ARUMAK 4 | BE 3ph ARUMAK 2 | | 379 |


| HEATING WATER COIL BATERÍA DE AGUA CALIENTE | | | | | | | |
|---|--------------------------------|-----------------|-----------------|---------------|---------------|---------------|--|
| Model Modelo | Power Pot. kW (T. int. 10°C) | Ø Tubes Tubos | Stages Etapas | Material | | | |
| | | | | Tubes Tubos | Fins Aletas | Frame Marco | |
| BA ARUMAK 1 | 1,6 | 1/2" | 2 | Cu | Al | Fe Zn | |
| BA ARUMAK 2 | 3,2 | 1/2" | 2 | Cu | Al | Fe Zn | |
| BA ARUMAK 3 | 6,8 | 1/2" | 2 | Cu | Al | Fe Zn | |
| BA ARUMAK 4 | 11,1 | 1/2" | 2 | Cu | Al | Fe Zn | |

| ELECTRICAL COIL BATERÍA ELÉCTRICA | | | | | | | |
|-------------------------------------|-----------------|-------------------|---------------------------|------|-----------------|--|--|
| Model Modelo | Power Pot. kW | Voltage Voltaje | Rated I (A) I. nom. (A) | | Stages Etapas | | |
| | | | 230V | 400V | | | |
| BE 1ph ARUMAK 1 | 2 | 230V | 8,7 | - | 1 | | |
| BE 1ph ARUMAK 2 | 4 | 230V | 17,4 | - | 1 | | |
| BE 1ph ARUMAK 3 | 6 | 230V | 26,1 | - | 1 | | |
| BE 1ph ARUMAK 4 | 8 | 230V | 34,8 | - | 1 | | |
| BE 3ph ARUMAK 1 | 8 | 400V | - | 11,6 | 1 | | |
| BE 3ph ARUMAK 2 | 12 | 400V | - | 17,4 | 1 | | |

HORIZONTAL ARUMAK VERSION | VERSIÓN HORIZONTAL ARUMAK

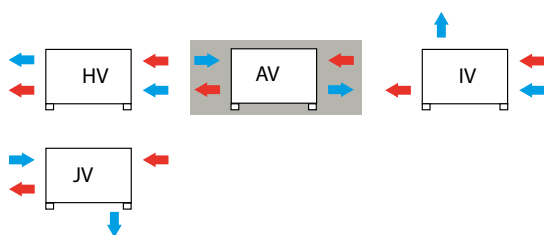


Standard configuration: S | Configuración estándar: S


FRESH AIR | AIRE NUEVO 

EXHAUSTED AIR | AIRE EXTRAÍDO 

VERTICAL ARUMAK VERSION | VERSIÓN VERTICAL ARUMAK



Standard configuration: AV | Configuración estándar: AV

FRESH AIR | AIRE NUEVO 

EXHAUSTED AIR | AIRE EXTRAÍDO 

ARUMAK HORIZONTAL

| HORIZONTAL ePM1 70% / ePM1 70% (ex. F7/F7) CTRL-DPH | | | |
|--|----------------------------------|---------------------|--|
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| AK04SH1PH00F7 | ARUMAK 430 BP CTRL-DPH H | 4.332,40 | |
| AK08SH1PH00F7 | ARUMAK 800 BP CTRL-DPH H | 4.890,10 | |
| AK21SH1PH00F7 | ARUMAK 2100 BP CTRL-DPH H | 6.790,10 | |
| AK26SH1PH00F7 | ARUMAK 2600 BP CTRL-DPH H | 9.990,40 | |
| AK37SH1PH00F7 | ARUMAK 3700 BP CTRL-DPH H | 11.905,10 | |
| HORIZONTAL ePM1 70% / ePM1 70% (ex. F7/F7) CTRL-DPH BE electrical coil batería eléctrica | | | |
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| AK04SH1PHBE0F7 | ARUMAK 430 BP CTRL-DPH BE 1ph H | 4.905,90 | |
| AK08SH1PHBE0F7 | ARUMAK 800 BP CTRL-DPH BE 1ph H | 5.600,80 | |
| AK21SH1PHBE0F7 | ARUMAK 2100 BP CTRL-DPH BE 1ph H | 7.780,40 | |
| AK26SH1PHBE0F7 | ARUMAK 2600 BP CTRL-DPH BE 1ph H | 11.296,40 | |
| AK26SH1PHBET0F7 | ARUMAK 2600 BP CTRL-DPH BE 3ph H | 11.403,20 | |
| AK37SH1PHBET0F7 | ARUMAK 3700 BP CTRL-DPH BE 3ph H | 13.654,50 | |
| HORIZONTAL ePM1 70% / ePM1 70% (ex. F7/F7) CTRL-DPH BA water coil batería de agua | | | |
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| AK04SH1PHBA0F7 | ARUMAK 430 BP CTRL-DPH BA H | 4.924,10 | |
| AK08SH1PHBA0F7 | ARUMAK 800 BP CTRL-DPH BA H | 5.512,00 | |
| AK21SH1PHBA0F7 | ARUMAK 2100 BP CTRL-DPH BA H | 7.505,90 | |
| AK26SH1PHBA0F7 | ARUMAK 2600 BP CTRL-DPH BA H | 10.913,70 | |
| AK37SH1PHBA0F7 | ARUMAK 3700 BP CTRL-DPH BA H | 12.828,40 | |
| HORIZONTAL ePM1 70% + ePM1 >80%/HORIZONTAL ePM1 70% (ex. F7 + F9/F7) CTRL-DPH | | | |
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| AK04SH1PH00F9 | ARUMAK 430 BP CTRL-DPH H | 4.411,40 | |
| AK08SH1PH00F9 | ARUMAK 800 BP CTRL-DPH H | 5.005,50 | |
| AK21SH1PH00F9 | ARUMAK 2100 BP CTRL-DPH H | 7.067,20 | |
| AK26SH1PH00F9 | ARUMAK 2600 BP CTRL-DPH H | 10.402,20 | |
| AK37SH1PH00F9 | ARUMAK 3700 BP CTRL-DPH H | 12.316,90 | |
| HORIZONTAL ePM1 70% + ePM1 >80%/HORIZONTAL ePM1 70% (ex. F7 + F9/F7) CTRL-DPH BE electrical coil batería eléctrica | | | |
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| AK04SH1PHBE0F9 | ARUMAK 430 BP CTRL-DPH BE 1ph H | 4.984,80 | |
| AK08SH1PHBE0F9 | ARUMAK 800 BP CTRL-DPH BE 1ph H | 5.716,20 | |
| AK21SH1PHBE0F9 | ARUMAK 2100 BP CTRL-DPH BE 1ph H | 8.057,40 | |
| AK26SH1PHBE0F9 | ARUMAK 2600 BP CTRL-DPH BE 1ph H | 11.708,30 | |
| AK26SH1PHBET0F9 | ARUMAK 2600 BP CTRL-DPH BE 3ph H | 11.815,10 | |
| AK37SH1PHBET0F9 | ARUMAK 3700 BP CTRL-DPH BE 3ph H | 14.066,40 | |
| HORIZONTAL ePM1 70% + ePM1 >80%/HORIZONTAL ePM1 70% (ex. F7 + F9/F7) CTRL-DPH BA water coil batería de agua | | | |
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| AK04SH1PHBA0F9 | ARUMAK 430 BP CTRL-DPH + BA H | 5.003,10 | |
| AK08SH1PHBA0F9 | ARUMAK 800 BP CTRL-DPH + BA H | 5.627,60 | |
| AK21SH1PHBA0F9 | ARUMAK 2100 BP CTRL-DPH + BA H | 7.782,80 | |
| AK26SH1PHBA0F9 | ARUMAK 2600 BP CTRL-DPH + BA H | 11.325,50 | |
| AK37SH1PHBA0F9 | ARUMAK 3700 BP CTRL-DPH + BA H | 13.240,20 | |

ARUMAK VERTICAL

| VERTICAL ePM1 70% / ePM1 70% (ex. F7/F7) CTRL-DPH | | | |
|--|----------------------------------|---------------------|--|
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| AK04AV1PH00F7 | ARUMAK 430 BP CTRL-DPH V | 4.427,20 | |
| AK08AV1PH00F7 | ARUMAK 800 BP CTRL-DPH V | 4.984,80 | |
| AK21AV1PH00F7 | ARUMAK 2100 BP CTRL-DPH V | 6.884,90 | |
| AK26AV1PH00F7 | ARUMAK 2600 BP CTRL-DPH V | 10.126,50 | |
| AK37AV1PH00F7 | ARUMAK 3700 BP CTRL-DPH V | 12.041,20 | |
| VERTICAL ePM1 70% / ePM1 70% (ex. F7/F7) CTRL-DPH BE electrical coil batería eléctrica | | | |
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| AK04AV1PHBE0F7 | ARUMAK 430 BP CTRL-DPH BE 1ph V | 5.000,70 | |
| AK08AV1PHBE0F7 | ARUMAK 800 BP CTRL-DPH BE 1ph V | 5.695,50 | |
| AK21AV1PHBE0F7 | ARUMAK 2100 BP CTRL-DPH BE 1ph V | 7.875,20 | |
| AK26AV1PHBE0F7 | ARUMAK 2600 BP CTRL-DPH BE 1ph V | 11.432,40 | |
| AK26AV1PHBET0F7 | ARUMAK 2600 BP CTRL-DPH BE 3ph V | 11.539,30 | |
| AK37AV1PHBET0F7 | ARUMAK 3700 BP CTRL-DPH BE 3ph V | 13.790,70 | |
| VERTICAL ePM1 70% / ePM1 70% (ex. F7/F7) CTRL-DPH BA water coil batería de agua | | | |
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| AK04AV1PHBA0F7 | ARUMAK 430 BP CTRL-DPH BA V | 5.018,80 | |
| AK08AV1PHBA0F7 | ARUMAK 800 BP CTRL-DPH BA V | 5.606,90 | |
| AK21AV1PHBA0F7 | ARUMAK 2100 BP CTRL-DPH BA V | 7.600,60 | |
| AK26AV1PHBA0F7 | ARUMAK 2600 BP CTRL-DPH BA V | 11.049,70 | |
| AK37AV1PHBA0F7 | ARUMAK 3700 BP CTRL-DPH BA V | 12.964,50 | |

VERTICAL ePM1 70% + ePM1 >80% / ePM1 70% (ex. F7+F9/F7) CTRL-DPH

| Code Código | Model Modelo | R.R.P. € P.V.P. € |
|---------------|---------------------------|---------------------|
| AK04AV1PH00F9 | ARUMAK 430 BP CTRL-DPH V | 4.506,10 |
| AK08AV1PH00F9 | ARUMAK 800 BP CTRL-DPH V | 5.100,20 |
| AK21AV1PH00F9 | ARUMAK 2100 BP CTRL-DPH V | 7.162,00 |
| AK26AV1PH00F9 | ARUMAK 2600 BP CTRL-DPH V | 10.538,30 |
| AK26AV1PH00F9 | ARUMAK 3700 BP CTRL-DPH V | 12.453,00 |

VERTICAL ePM1 70% + ePM1 >80% / ePM1 70% (ex. F7+F9/F7) CTRL-DPH BE electrical coil | batería eléctrica

| Code Código | Model Modelo | R.R.P. € P.V.P. € |
|----------------|----------------------------------|---------------------|
| AK04AV1PHBE0F9 | ARUMAK 430 BP CTRL-DPH BE 1ph V | 5.079,60 |
| AK08AV1PHBE0F9 | ARUMAK 800 BP CTRL-DPH BE 1ph V | 5.810,90 |
| AK21AV1PHBE0F9 | ARUMAK 2100 BP CTRL-DPH BE 1ph V | 8.152,20 |
| AK26AV1PHBE0F9 | ARUMAK 2600 BP CTRL-DPH BE 1ph V | 11.844,30 |
| AK26AV1PHBE0F9 | ARUMAK 2600 BP CTRL-DPH BE 3ph V | 11.951,20 |
| AK37AV1PHBE0F9 | ARUMAK 3700 BP CTRL-DPH BE 3ph V | 14.202,50 |

VERTICAL ePM1 70% + ePM1 >80% / ePM1 70% (ex. F7+F9/F7) CTRL-DPH BA water coil | batería de agua

| Code Código | Model Modelo | R.R.P. € P.V.P. € |
|----------------|------------------------------|---------------------|
| AK04AV1PHBA0F9 | ARUMAK 430 BP CTRL-DPH BA V | 5.097,80 |
| AK08AV1PHBA0F9 | ARUMAK 800 BP CTRL-DPH BA V | 5.722,30 |
| AK21AV1PHBA0F9 | ARUMAK 2100 BP CTRL-DPH BA V | 7.877,50 |
| AK26AV1PHBA0F9 | ARUMAK 2600 BP CTRL-DPH BA V | 11.461,70 |
| AK37AV1PHBA0F9 | ARUMAK 3700 BP CTRL-DPH BA V | 13.376,40 |

FILTERS | FILTROS ARUMAK
Replacement filters Supply / Extraction | Filtros para recambio Impulsión / Extracción ePM1 70% (ex. F7)

| Code Código | Model Modelo | Dimensions Dimensiones | Application Aplicación | Filters for unit Filtros por unidad * | R.R.P. € P.V.P. € |
|---------------|--|--------------------------|------------------------------------|---|---------------------|
| FLTEIAK04F7 | FILT. ePM1 70% ARUMAK 430/EEC 430 | 292 x 292 x 048 | ARUMAK 430 / ARUMAK EEC 430 | 1 | 62,90 |
| FLTEIAK08F7 | FILT. ePM1 70% ARUMAK 800 /EEC 800 | 430 x 350 x 048 | ARUMAK 800 / ARUMAK EEC 800 | 1 | 97,50 |
| FLTEIAK20F7 | FILT. ePM1 70% ARUMAK 2100/EEC 2000 | 490 x 390 x 048 | ARUMAK 2100 / ARUMAK EEC 2000 | 2 | 106,10 |
| FLTEIAK26F7 | FILT. ePM1 70% ARUMAK 2600-3700/EEC 2600 | 500 x 625 x 048 | ARUMAK 2600-3700 / ARUMAK EEC 2600 | 2 | 189,90 |

Replacement filters for supply | Filtros para recambio para impulsión ePM1 >80% (ex. F9)

| Code Código | Model Modelo | Dimensions Dimensiones | Application Aplicación | Filters for unit Filtros por unidad * | R.R.P. € P.V.P. € |
|---------------|--|--------------------------|------------------------------------|---|---------------------|
| FLTIK04F9 | FILT. ePM1 >80% ARUMAK 430 /EEC 430 | 292 x 292 x 048 | ARUMAK 430 / ARUMAK EEC 400 | 1 | 103,60 |
| FLTIK08F9 | FILT. ePM1 >80% ARUMAK 800 /EEC 800 | 430 x 350 x 048 | ARUMAK 800 / ARUMAK EEC 800 | 1 | 136,90 |
| FLTIK20F9 | FILT. ePM1 >80% ARUMAK 2100/EEC 2000 | 490 x 390 x 048 | ARUMAK 2100 / ARUMAK EEC 2000 | 2 | 162,90 |
| FLTIK26F9 | FILT. ePM1 >80% ARUMAK 2600-3700 /EEC 2600 | 500 x 625 x 048 | ARUMAK 2600-3700 / ARUMAK EEC 2600 | 2 | 235,60 |

* When placing an order, please take into account that the filters RRP is unitary and must be multiplied by the indicated quantities for each unit of exchanger

* Al hacer el pedido debe tener en cuenta que el PVP de los filtros es unitario y debe multiplicarse por las cantidades indicadas para cada unidad de recuperador.

ROOF COWL | TEJADILLO ARUMAK
Weather protective roof for | Tejadillo para lluvia para ARUMAK & ARUMAK EEC horizontal

| Code Código | Model Modelo | Application Aplicación | R.R.P. € P.V.P. € |
|---------------|----------------------------------|---------------------------------|---------------------|
| TEJAK04H | TEJ ARUMAK 500-950/EEC 430/800 H | ARUMAK / ARUMAK EEC 430/800 H | 171,50 |
| TEJAK20H | TEJ ARUMAK 2500/EEC 2000 H | ARUMAK / ARUMAK EEC 2000/2100 H | 225,70 |
| TEJAK26H | TEJ ARUMAK 2000-4500 /EEC 2600 H | ARUMAK / ARUMAK EEC 2600/3700 H | 289,90 |

Weather protective roof for | Tejadillo para lluvia para ARUMAK & ARUMAK EEC vertical

| Code Código | Model Modelo | Application Aplicación | R.R.P. € P.V.P. € |
|---------------|---------------------------------|---------------------------------|---------------------|
| TEJAK04V | TEJ ARUMAK 500 /EEC 430 V | ARUMAK / ARUMAK EEC 430 V | 145,60 |
| TEJAK08V | TEJ ARUMAK 950 /EEC 800 V | ARUMAK / ARUMAK EEC 800 V | 154,20 |
| TEJAK20V | TEJ ARUMAK 2500 /EEC 2000 V | ARUMAK / ARUMAK EEC 2000/2100 V | 213,40 |
| TEJAK26V | TEJ ARUMAK 2000-4500/EEC 2600 V | ARUMAK / ARUMAK EEC 2600/3700 V | 278,80 |

KOXA

Large flow cross flow heat exchanger

Recuperador de gran caudal con intercambiador de flujos cruzados



70%



MANUFACTURING FEATURES

Medium efficiency heat recovery unit (Eff.70%) with AC motor. Cross-flow heat exchanger, Eurovent certified, assembled in insulated steel casing with sandwich polystyrene foam sandwich panels 25mm thickness an aluminium profile with reinforced corners. With ISO ePM1 70% or ISO ePM1 80% (F7 or F9) filters in air supply and ISO ePM1 70% (F7) in return. Versions for vertical exterior installation with weather protection cowl included.

CHASSIS:

- Modular structure, in 30mm extruded aluminum profile and with reinforced nylon corners.
- Sandwich panels 25mm thickness, with external side made of steel sheet and inner side covered with galvanized steel sheet.

HEAT EXCHANGER:

- Aluminium cross flow heat exchanger with 70% efficiency.
- Recuperator brand certified by Eurovent.

FANS:

- AC PLUG FAN.

FILTERS:

- ISO ePM1 70% or ISO ePM1 >80% (F7 o F9) in fresh air and ISO ePM1 70% (F7) in exhaust air.

APPLICATIONS

- Malls, small shops, banks, hostelry, schools, office buildings, public buildings.

UNDER REQUEST

- Other special configurations.

Units outside the Directive 2009/125/EC.

CARACTERÍSTICAS CONSTRUCTIVAS

Unidad de recuperación de calor de media eficiencia (Eff. 70%) de grandes caudales con motor AC. Con intercambiador de flujos cruzados certificado Eurovent, montados en cajas de acero aislados con paneles de doble pared de 25mm de espesor y perfil de aluminio con cantoneras reforzadas. Con filtros ISO ePM1 70% o ISO ePM1 80% (F7 o F9) en impulsión y ISO ePM1 70% (F7) en retorno. Versiones para instalación vertical exterior con el tejadillo incluido.

CHASSIS:

- Estructura modular, en perfil de aluminio extruido de 30mm y cantoneras de nailon reforzado.
- Paneles de doble pared de 25 mm de espesor, con la cara exterior en chapa de acero con epoxy poliéster y la cara interior cubierta por una chapa de acero galvanizado.

INTERCAMBIADOR DE CALOR:

- Intercambiador de calor de flujos cruzados de aluminio con eficiencia 70%.
- Marca Recuperator certificado por Eurovent.

VENTILADORES:

- Ventiladores tipo PLUG FAN AC.

FILTROS:

- ISO ePM1 70% o ISO ePM1 >80% (F7 o F9) en impulsión y ISO ePM1 70% (F7) en retorno.

APLICACIONES

- Centros comerciales, pequeñas tiendas, bancos, hostelería, escuelas, edificios de oficinas, edificios públicos.

BAJO DEMANDA

- Otras configuraciones especiales.

Equipos fuera de la Directiva 2009/125/EC.

ACCESSORIES | ACCESORIOS



SFC pg.433
Frecuency speed controller.
Variador de velocidad frecuencial.



SCO2 pg.435
CO₂, HR and temperature probe.
Sonda de CO₂, HR, y temperatura.



DCO2 pg.435
CO₂, HR and temperature probe for duct.
Sonda de CO₂, HR, y temperatura para conducto.



FILTERS pg.404
Filters.
Filtros.

REFERENCES INTERPRETATION | INTERPRETACIÓN DE LAS REFERENCIAS

| | | | | |
|---------------|----------------------------|--------------|---------------|------------------------------|
| KOX08AV0000F7 | KOXA | 8000 | F7/F7 | V |
| Code Código | Denomination Denominación | Model Modelo | Filter Filtro | Configuration Configuración |

TECHNICAL DATA | DATOS TÉCNICOS

| Model Modelo | Pole Polos | Phase Fases | Rated I nominal (A) 400V | Rat. Pow Pot. nom kW | Air flow Caudal máx. m³/h | Weight Peso Kg |
|----------------|--------------|---------------|-------------------------------|---------------------------|--------------------------------|---------------------|
| KOXA 8000 | 2 | 3 | 2 x 7,2 | 2 x 4 | 8.000 | 468 |
| KOXA 10000 | 4 | 3 | 2 x 9,8 | 2 x 5,5 | 10.000 | 623 |
| KOXA 12000 | 2 | 3 | 2 x 13,4 | 2 x 7,5 | 12.000 | 661 |
| KOXA 14000 | 4 | 3 | 2 x 13,4 | 2 x 7,5 | 14.000 | 839 |

KOXA VERTICAL

| ePM1 70%/ePM1 70% (ex. F7/F7) Vertical + Roof cowl Tejadillo | | | |
|---|----------------|---------------------|--|
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| KOX08AV0000F7 | KOXA 8000 | 16.183,90 | |
| KOX10AV0000F7 | KOXA 10000 | 19.086,70 | |
| KOX12AV0000F7 | KOXA 12000 | 22.147,00 | |
| KOX14AV0000F7 | KOXA 14000 | 24.727,70 | |
| ePM1 >80%/ePM1 70% (ex. F9/F7) Vertical + Roof cowl Tejadillo | | | |
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| KOX08AV0000F9 | KOXA 8000 | 16.263,50 | |
| KOX10AV0000F9 | KOXA 10000 | 19.173,90 | |
| KOX12AV0000F9 | KOXA 12000 | 22.234,10 | |
| KOX14AV0000F9 | KOXA 14000 | 24.860,40 | |

FILTERS | FILTROS KOXA

| Replacement filters Supply / Extraction Filtros para recambio Impulsión (IN) / Extracción (OUT) ePM1 70% (ex. F7) | | | | | | |
|---|-----------------------------------|--------------------------|--------------------------|---|---------------------|--|
| Code Código | Model Modelo | Dimensions Dimensiones | Application Aplicación | Filters for unit Filtros por unidad * | R.R.P. € P.V.P. € | |
| FLTPR25I08AF7 | FILT. ePM1 70% KOXA 8000 IN (A) | 592 x 592 x 98 | KOXA 8000 | 1 | 377,70 | |
| FLTPR25I08BF7 | FILT. ePM1 70% KOXA 8000 IN (B) | 490 x 592 x 98 | | 1 | 319,90 | |
| FLTPR25R08AF7 | FILT. ePM1 70% KOXA 8000 OUT (A) | 592 x 592 x 98 | KOXA 8000 | 1 | 208,20 | |
| FLTPR25R08BF7 | FILT. ePM1 70% KOXA 8000 OUT (B) | 490 x 592 x 98 | | 1 | 185,00 | |
| FLTPR25I10AF7 | FILT. ePM1 70% KOXA 10000 IN (A) | 592 x 490 x 48 | KOXA 10000 | 2 | 208,20 | |
| FLTPR25I10BF7 | FILT. ePM1 70% KOXA 10000 IN (B) | 592 x 287 x 48 | | 2 | 185,00 | |
| FLTPR25R10AF7 | FILT. ePM1 70% KOXA 10000 OUT (A) | 592 x 592 x 48 | KOXA 10000 | 2 | 215,90 | |
| FLTPR25R10BF7 | FILT. ePM1 70% KOXA 10000 OUT (B) | 592 x 287 x 48 | | 2 | 185,00 | |
| FLTPR25I12AF7 | FILT. ePM1 70% KOXA 12000 IN (A) | 592 x 592 x 98 | KOXA 12000 | 2 | 377,70 | |
| FLTPR25I12BF7 | FILT. ePM1 70% KOXA 12000 IN (B) | 592 x 287 x 98 | | 2 | 250,50 | |
| FLTPR25R12AF7 | FILT. ePM1 70% KOXA 12000 OUT (A) | 592 x 592 x 98 | KOXA 12000 | 2 | 377,70 | |
| FLTPR25R12BF7 | FILT. ePM1 70% KOXA 12000 OUT (B) | 592 x 287 x 98 | | 2 | 250,50 | |
| FLTPR25I14AF7 | FILT. ePM1 70% KOXA 14000 IN (A) | 592 x 592 x 48 | KOXA 14000 | 2 | 215,90 | |
| FLTPR25I14BF7 | FILT. ePM1 70% KOXA 14000 IN (B) | 490 x 592 x 48 | | 2 | 208,20 | |
| FLTPR25R14AF7 | FILT. ePM1 70% KOXA 14000 OUT (A) | 592 x 592 x 98 | KOXA 14000 | 2 | 377,70 | |
| FLTPR25R14BF7 | FILT. ePM1 70% KOXA 14000 OUT (B) | 490 x 592 x 98 | | 2 | 319,90 | |
| Replacement filters for supply Filtros para recambio para impulsión ePM1 >80% (ex. F9) | | | | | | |
| Code Código | Model Modelo | Dimensions Dimensiones | Application Aplicación | Filters for unit Filtros por unidad * | R.R.P. € P.V.P. € | |
| FLTPR25I08AF9 | FILT. ePM1 >80% KOXA 8000 IN (A) | 592 x 592 x 98 | KOXA 8000 | 1 | 385,50 | |
| FLTPR25I08BF9 | FILT. ePM1 >80% KOXA 8000 IN (B) | 490 x 592 x 98 | | 1 | 343,10 | |
| FLTPR25I10AF9 | FILT. ePM1 >80% KOXA 10000 IN (A) | 592 x 490 x 48 | KOXA 10000 | 2 | 219,80 | |
| FLTPR25I10BF9 | FILT. ePM1 >80% KOXA 10000 IN (B) | 592 x 287 x 48 | | 2 | 196,60 | |
| FLTPR25I12AF9 | FILT. ePM1 >80% KOXA 12000 IN (A) | 592 x 592 x 98 | KOXA 12000 | 2 | 385,50 | |
| FLTPR25I12BF9 | FILT. ePM1 >80% KOXA 12000 IN (B) | 592 x 287 x 98 | | 2 | 300,60 | |
| FLTPR25I14AF9 | FILT. ePM1 >80% KOXA 14000 IN (A) | 592 x 592 x 48 | KOXA 14000 | 2 | 246,70 | |
| FLTPR25I14BF9 | FILT. ePM1 >80% KOXA 14000 IN (B) | 490 x 592 x 48 | | 2 | 219,80 | |

IN= Inlet | impulsión
OUT= Outlet | retorno

* When placing an order, please take into account that the filters RRP is unitary and must be multiplied by the indicated quantities for each unit of exchanger
* Al hacer el pedido debe tener en cuenta que el PVP de los filtros es unitario y debe multiplicarse por las cantidades indicadas para cada unidad de recuperador.

ABRENSA EEC

Counter flow heat recovery with EC motor

Recuperador de calor de contraflujo con motor EC



74%



MANUFACTURING FEATURES

Medium efficiency heat recovery unit (Eff. 74%) with EC motor and counter flow heat exchanger Eurovent certified, assembled in insulated steel casing with double skin panels of 25mm thickness. With ISO ePM1 70% / ISO ePM1 70% (F7/F7) or ISO ePM1 70% + ISO ePM1 >80% / ISO ePM1 70% (F7+F9/F7) filters. Vertical and horizontal installation with bypass versions.

CHASSIS:

- Modular structure in 30mm extruded aluminum profile with reinforced nylon corners.
- Sandwich panel 25mm thickness made of galvanized steel sheet with epoxy polyester, according to EN10327 and EN10192 with polystyrene insulation of 30 Kg/m³ density.

HEAT EXCHANGER:

- Aluminium counter flow heat exchanger 74% efficiency.
- Recuperator brand certified by Eurovent.

FANS:

- Centrifugal fan with direct EC motor coupled with double inlet. According to ErP 2018.

FILTERS:

- ISO ePM1 70% / ISO ePM1 70% (F7/F7) or ISO ePM1 70% + ISO ePM1 >80% / ISO ePM1 70% (F7+F9/F7). filters.

CONTROL:

- CTRL-MAX: automatic bypass control, manual or automatic speed control by choosing constant flow (CAV), variable flow rate (VAV) and constant pressure (COP). Allows automatic temperature management.

APPLICATIONS

- Malls, small shops, Banks, hostelry, schools, office buildings, public buildings.

UNDER REQUEST

- Other special configurations under request.

Units outside the Directive 2009/125/EC.

CARACTERÍSTICAS CONSTRUCTIVAS

Unidad de recuperación de calor de eficiencia media del 74% con motor EC para una gestión optimizada, e intercambiador de contraflujo certificado Eurovent, montados en cajas de acero aislados con paneles de doble pared de 25mm de espesor. Con filtros ISO ePM1 70% / ISO ePM1 70% (F7/F7) o ISO ePM1 70% + ISO ePM1 >80% / ISO ePM1 70% (F7+F9/F7). Versiones para instalación vertical y horizontal con bypass.

CHASIS:

- Estructura modular en perfil de aluminio extruido de 30mm con cantoneras de nailon reforzado.
- Paneles de doble pared de 25 mm de espesor en chapa de acero galvanizado con epoxy poliéster, según EN10327 y EN10192 con un aislamiento de poliestireno con una densidad de 30 Kg/m³.

INTERCAMBIADOR DE CALOR:

- Intercambiador de calor de contraflujo de aluminio con eficiencia 74%.
- Marca Recuperator certificado por Eurovent.

VENTILADORES:

- Ventiladores centrífugos de motor directo EC acoplado a doble aspiración. Conforme ErP 2018.

FILTROS:

- Filtros ISO ePM1 70% / ISO ePM1 70% (F7/F7) o ISO ePM1 70% + ISO ePM1 >80% / ISO ePM1 70% (F7+F9/F7).

CONTROL:

- CTRL-MAX: control automático del bypass, control manual o automático de la velocidad eligiendo caudal constante (CAV), caudal variable (VAV) y presión constante (COP). Permite gestión automática de la temperatura.

APLICACIONES

- Centros comerciales, pequeñas tiendas, bancos, hostelería, escuelas, edificios de oficinas, edificios públicos.

BAJO DEMANDA

- Otras configuraciones especiales.

Equipos fuera de la Directiva 2009/125/EC.

ACCESSORIES | ACCESORIOS



INT pg.434
Safety switch.
Interruptor de corte.



SCO2 pg.435
CO₂, HR and temperature probe.
Sonda de CO₂, HR, y temperatura.



DCO2 pg.435
CO₂, HR and temperature probe for duct.
Sonda de CO₂, HR, y temperatura para conducto.



FILTERS pg.404
Filters.
Filtros.



REGD-1 pg.431
Speed controller.
Regulador de velocidad.



TEJ pg.421
Weather protective roof for ventilation boxes.
Tejadillo intemperie para cajas de ventilación.

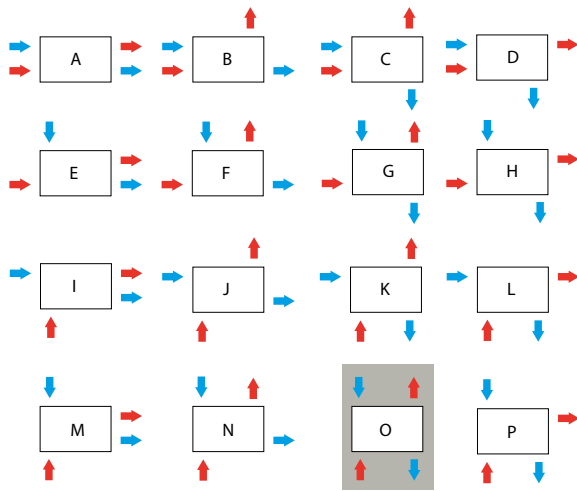
REFERENCES INTERPRETATION | INTERPRETACIÓN DE LAS REFERENCIAS

| CEPHE06AH0000F7 | ABRENSA EEC | 600 | F7/F7 | EEC | H |
|-----------------|----------------------------|--------------|----------------|---------------|---|
| Code Código | Denomination Denominación | Model Modelo | Filter Filtro | Tipo motor EC | Configuration Configuración · Horizontal · Vertical |

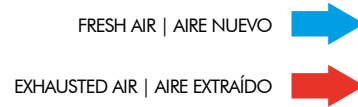
TECHNICAL DATA | DATOS TÉCNICOS

| Model Modelo | Air flow Caudal máx. m³/h | Power Potencia kW | IP motor | I. (A) 230V | Weight Peso H/V Kg |
|------------------|-----------------------------|---------------------|----------|-------------|----------------------|
| ABRENSA EEC 600 | 600 | 2x0,23 | IP20 | 2x1,8 | 96/115 |
| ABRENSA EEC 1300 | 1.300 | 2x0,37 | IP55 | 2x5 | 151/181 |
| ABRENSA EEC 1900 | 1.900 | 2x0,37 | IP55 | 2x5 | 196/235 |
| ABRENSA EEC 2300 | 2.300 | 2x0,75 | IP55 | 2x6 | 206/247 |
| ABRENSA EEC 3000 | 3.000 | 2x0,75 | IP55 | 2x6 | 232/278 |
| ABRENSA EEC 3300 | 3.300 | 2x1,5 | IP55 | 2x10 | 240/288 |
| ABRENSA EEC 4600 | 4.600 | 2x1,5 | IP55 | 2x10 | 258/309 |
| ABRENSA EEC 6700 | 6700 | 4x0,75 | IP55 | 4x6 | 443/509 |

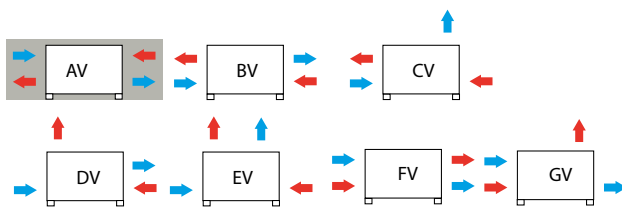
HORIZONTAL ABRENSA EEC VERSION | VERSIÓN HORIZONTAL ABRENSA EEC



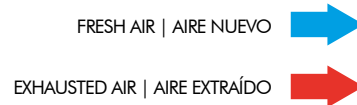
Standard configuration: O | Configuración estándar: O



VERTICAL ABRENSA EEC VERSION | VERSIÓN VERTICAL ABRENSA EEC



Standard configuration: AV | Configuración estándar: AV



ABRENSA EEC HORIZONTAL

| HORIZONTAL ABRENSA EEC ePM1 70%/ePM1 70% (ex. F7/F7) CTRL MAX | | | |
|---|-----------------------------|---------------------|--|
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| CEPEC06OH1MX00F7 | ABRENSA EEC 600 H CTRL MAX | 5.644,40 | |
| CEPEC13OH1MX00F7 | ABRENSA EEC 1300 H CTRL MAX | 6.991,00 | |
| CEPEC19OH1MX00F7 | ABRENSA EEC 1900 H CTRL MAX | 7.649,70 | |
| CEPEC23OH1MX00F7 | ABRENSA EEC 2300 H CTRL MAX | 8.094,80 | |
| CEPEC30OH1MX00F7 | ABRENSA EEC 3000 H CTRL MAX | 9.577,70 | |
| CEPEC33OH1MX00F7 | ABRENSA EEC 3300 H CTRL MAX | 10.310,00 | |
| CEPEC47OH1MX00F7 | ABRENSA EEC 4600 H CTRL MAX | 11.134,20 | |
| CEPEC67OH1MX00F7 | ABRENSA EEC 6700 H CTRL MAX | 15.781,30 | |

| HORIZONTAL ABRENSA EEC ePM1 70%+ePM1 >80%/ePM1 70% (ex. F7+F9/F7) CTRL MAX | | | |
|---|--------|-------------------------------------|---------------------|
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| CEPEC06OH1MX00F9 | | ABRENSA EEC 600 H CTRL MAX | |
| CEPEC13OH1MX00F9 | | ABRENSA EEC 1300 H CTRL MAX | 5.758,30 |
| CEPEC19OH1MX00F9 | | ABRENSA EEC 1900 H CTRL MAX | 7.130,80 |
| CEPEC23OH1MX00F9 | | ABRENSA EEC 2300 H CTRL MAX | 7.822,60 |
| CEPEC30OH1MX00F9 | | ABRENSA EEC 3000 H CTRL MAX | 8.267,90 |
| CEPEC33OH1MX00F9 | | ABRENSA EEC 3300 H CTRL MAX | 9.802,20 |
| CEPEC47OH1MX00F9 | | ABRENSA EEC 4600 H CTRL MAX | 10.534,30 |
| CEPEC67OH1MX00F9 | | ABRENSA EEC 6700 H CTRL MAX | 11.358,50 |
| HORIZONTAL ABRENSA EEC ePM1 70%/ePM1 70% (ex. F7/F7) CTRL MAX + BA water coil batería de agua | | | |
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| CEPEC06OH1MXBAF7 | | ABRENSA EEC 600 H CTRL MAX BA | 7.090,30 |
| CEPEC13OH1MXBAF7 | | ABRENSA EEC 1300 H CTRL MAX BA | 8.543,80 |
| CEPEC19OH1MXBAF7 | | ABRENSA EEC 1900 H CTRL MAX BA | 9.305,50 |
| CEPEC23OH1MXBAF7 | | ABRENSA EEC 2300 H CTRL MAX BA | 9.750,60 |
| CEPEC30OH1MXBAF7 | | ABRENSA EEC 3000 H CTRL MAX BA | 11.284,90 |
| CEPEC33OH1MXBAF7 | | ABRENSA EEC 3300 H CTRL MAX BA | 12.017,20 |
| CEPEC47OH1MXBAF7 | | ABRENSA EEC 4600 H CTRL MAX BA | 13.047,40 |
| CEPEC67OH1MXBAF7 | | ABRENSA EEC 6700 H CTRL MAX BA | 17.885,90 |
| HORIZONTAL ABRENSA EEC ePM1 70%+ePM1 >80%/ePM1 70% (ex. F7+F9/F7) CTRL MAX + BA water coil batería de agua | | | |
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| CEPEC06OH1MXBAF9 | | ABRENSA EEC 600 H CTRL MAX BA | 7.204,40 |
| CEPEC13OH1MXBAF9 | | ABRENSA EEC 1300 H CTRL MAX BA | 8.683,60 |
| CEPEC19OH1MXBAF9 | | ABRENSA EEC 1900 H CTRL MAX BA | 9.478,40 |
| CEPEC23OH1MXBAF9 | | ABRENSA EEC 2300 H CTRL MAX BA | 9.923,50 |
| CEPEC30OH1MXBAF9 | | ABRENSA EEC 3000 H CTRL MAX BA | 11.509,40 |
| CEPEC33OH1MXBAF9 | | ABRENSA EEC 3300 H CTRL MAX BA | 12.241,70 |
| CEPEC47OH1MXBAF9 | | ABRENSA EEC 4600 H CTRL MAX BA | 13.271,90 |
| CEPEC67OH1MXBAF9 | | ABRENSA EEC 6700 H CTRL MAX BA | 18.169,40 |
| HORIZONTAL ABRENSA EEC ePM1 70%/ePM1 70% (ex. F7/F7) CTRL MAX + BAM mixed water coil batería de agua mixta | | | |
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| CEPEC06OH1MXBAMF7 | | ABRENSA EEC 600 H CTRL MAX BAM | 7.660,60 |
| CEPEC13OH1MXBAMF7 | | ABRENSA EEC 1300 H CTRL MAX BAM | 9.014,80 |
| CEPEC19OH1MXBAMF7 | | ABRENSA EEC 1900 H CTRL MAX BAM | 10.387,10 |
| CEPEC23OH1MXBAMF7 | | ABRENSA EEC 2300 H CTRL MAX BAM | 10.832,40 |
| CEPEC30OH1MXBAMF7 | | ABRENSA EEC 3000 H CTRL MAX BAM | 12.915,00 |
| CEPEC33OH1MXBAMF7 | | ABRENSA EEC 3300 H CTRL MAX BAM | 13.647,30 |
| CEPEC47OH1MXBAMF7 | | ABRENSA EEC 4600 H CTRL MAX BAM | 15.372,80 |
| CEPEC67OH1MXBAMF7 | | ABRENSA EEC 6700 H CTRL MAX BAM | 20.064,30 |
| HORIZONTAL ABRENSA EEC ePM1 70%+ePM1 >80%/ePM1 70% (ex. F7+F9/F7) CTRL MAX + BAM mixed water coil batería de agua mixta | | | |
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| CEPEC06OH1MXBAMF9 | | ABRENSA EEC 600 H CTRL MAX BAM | 7.774,70 |
| CEPEC13OH1MXBAMF9 | | ABRENSA EEC 1300 H CTRL MAX BAM | 9.154,60 |
| CEPEC19OH1MXBAMF9 | | ABRENSA EEC 1900 H CTRL MAX BAM | 10.560,20 |
| CEPEC23OH1MXBAMF9 | | ABRENSA EEC 2300 H CTRL MAX BAM | 11.005,30 |
| CEPEC30OH1MXBAMF9 | | ABRENSA EEC 3000 H CTRL MAX BAM | 13.139,50 |
| CEPEC33OH1MXBAMF9 | | ABRENSA EEC 3300 H CTRL MAX BAM | 13.871,60 |
| CEPEC47OH1MXBAMF9 | | ABRENSA EEC 4600 H CTRL MAX BAM | 15.597,30 |
| CEPEC67OH1MXBAMF9 | | ABRENSA EEC 6700 H CTRL MAX BAM | 20.347,60 |
| HORIZONTAL ABRENSA EEC ePM1 70%/ePM1 70% (ex. F7/F7) CTRL MAX + BE electrical coil batería eléctrica | | | |
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| CEPEC06OH1MXBEF7 | | ABRENSA EEC 600 H CTRL MAX BE | 7.469,40 |
| CEPEC13OH1MXBEF7 | | ABRENSA EEC 1300 H CTRL MAX BE | 8.845,40 |
| CEPEC19OH1MXBEF7 | | ABRENSA EEC 1900 H CTRL MAX BE | 9.839,00 |
| CEPEC23OH1MXBEF7 | | ABRENSA EEC 2300 H CTRL MAX BE | 10.284,10 |
| CEPEC30OH1MXBEF7 | | ABRENSA EEC 3000 H CTRL MAX BE | 12.079,70 |
| CEPEC33OH1MXBEF7 | | ABRENSA EEC 3300 H CTRL MAX BE | 12.812,00 |
| CEPEC47OH1MXBEF7 | | ABRENSA EEC 4600 H CTRL MAX BE | 14.144,00 |
| CEPEC67OH1MXBEF7 | | ABRENSA EEC 6700 H CTRL MAX BE | 19.530,80 |
| HORIZONTAL ABRENSA EEC ePM1 70%+ePM1 >80%/ePM1 70% (ex. F7+F9/F7) CTRL MAX + BE electrical coil batería eléctrica | | | |
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| CEPEC06OH1MXBEF9 | | ABRENSA EEC 600 H CTRL MAX BE | 7.583,50 |
| CEPEC13OH1MXBEF9 | | ABRENSA EEC 1300 H CTRL MAX BE | 8.985,40 |
| CEPEC19OH1MXBEF9 | | ABRENSA EEC 1900 H CTRL MAX BE | 10.011,90 |
| CEPEC23OH1MXBEF9 | | ABRENSA EEC 2300 H CTRL MAX BE | 10.457,20 |
| CEPEC30OH1MXBEF9 | | ABRENSA EEC 3000 H CTRL MAX BE | 12.304,20 |
| CEPEC33OH1MXBEF9 | | ABRENSA EEC 3300 H CTRL MAX BE | 13.036,50 |
| CEPEC47OH1MXBEF9 | | ABRENSA EEC 4600 H CTRL MAX BE | 14.368,30 |
| CEPEC67OH1MXBEF9 | | ABRENSA EEC 6700 H CTRL MAX BE | 19.814,10 |
| HORIZONTAL ABRENSA EEC ePM1 70%/ePM1 70% (ex. F7/F7) CTRL MAX + KIT COP | | | |
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| CEPEC06OH1MXOPF7 | | ABRENSA EEC 600 H CTRL MAX KIT COP | 6.067,50 |
| CEPEC13OH1MXOPF7 | | ABRENSA EEC 1300 H CTRL MAX KIT COP | 7.414,10 |
| CEPEC19OH1MXOPF7 | | ABRENSA EEC 1900 H CTRL MAX KIT COP | 8.072,80 |
| CEPEC23OH1MXOPF7 | | ABRENSA EEC 2300 H CTRL MAX KIT COP | 8.518,10 |
| CEPEC30OH1MXOPF7 | | ABRENSA EEC 3000 H CTRL MAX KIT COP | 10.000,80 |
| CEPEC33OH1MXOPF7 | | ABRENSA EEC 3300 H CTRL MAX KIT COP | 10.733,10 |
| CEPEC47OH1MXOPF7 | | ABRENSA EEC 4600 H CTRL MAX KIT COP | 11.557,30 |
| CEPEC67OH1MXOPF7 | | ABRENSA EEC 6700 H CTRL MAX KIT COP | 16.204,40 |

| HORIZONTAL ABRENSA EEC ePM1 70%+ePM1 >80%/ePM1 70% (ex. F7+F9/F7) CTRL MAX + KIT COP | | | |
|--|-------------------------------------|---------------------|--|
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| CEPEC06OH1MX0PF9 | ABRENSA EEC 600 H CTRL MAX KIT COP | 6.181,60 | |
| CEPEC13OH1MX0PF9 | ABRENSA EEC 1300 H CTRL MAX KIT COP | 7.553,90 | |
| CEPEC19OH1MX0PF9 | ABRENSA EEC 1900 H CTRL MAX KIT COP | 8.245,70 | |
| CEPEC23OH1MX0PF9 | ABRENSA EEC 2300 H CTRL MAX KIT COP | 8.691,00 | |
| CEPEC30OH1MX0PF9 | ABRENSA EEC 3000 H CTRL MAX KIT COP | 10.225,30 | |
| CEPEC33OH1MX0PF9 | ABRENSA EEC 3300 H CTRL MAX KIT COP | 10.957,60 | |
| CEPEC47OH1MX0PF9 | ABRENSA EEC 4600 H CTRL MAX KIT COP | 11.781,80 | |
| CEPEC67OH1MX0PF9 | ABRENSA EEC 6700 H CTRL MAX KIT COP | 16.487,70 | |

| HORIZONTAL ABRENSA EEC ePM1 70%/ePM1 70% (ex. F7/F7) CTRL MAX +KIT CAV | | | |
|--|-------------------------------------|---------------------|--|
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| CEPEC06OH1MX0QF7 | ABRENSA EEC 600 H CTRL MAX KIT CAV | 6.067,50 | |
| CEPEC13OH1MX0QF7 | ABRENSA EEC 1300 H CTRL MAX KIT CAV | 7.414,10 | |
| CEPEC19OH1MX0QF7 | ABRENSA EEC 1900 H CTRL MAX KIT CAV | 8.072,80 | |
| CEPEC23OH1MX0QF7 | ABRENSA EEC 2300 H CTRL MAX KIT CAV | 8.518,10 | |
| CEPEC30OH1MX0QF7 | ABRENSA EEC 3000 H CTRL MAX KIT CAV | 10.000,80 | |
| CEPEC33OH1MX0QF7 | ABRENSA EEC 3300 H CTRL MAX KIT CAV | 10.733,10 | |
| CEPEC47OH1MX0QF7 | ABRENSA EEC 4600 H CTRL MAX KIT CAV | 11.557,30 | |
| CEPEC67OH1MX0QF7 | ABRENSA EEC 6700 H CTRL MAX KIT CAV | 16.204,40 | |

| HORIZONTAL ABRENSA EEC ePM1 70%+ePM1 >80%/ePM1 70% (ex. F7+F9/F7) CTRL MAX + KIT CAV | | | |
|--|-------------------------------------|---------------------|--|
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| CEPEC06OH1MX0QF9 | ABRENSA EEC 600 H CTRL MAX KIT CAV | 6.181,60 | |
| CEPEC13OH1MX0QF9 | ABRENSA EEC 1300 H CTRL MAX KIT CAV | 7.553,90 | |
| CEPEC19OH1MX0QF9 | ABRENSA EEC 1900 H CTRL MAX KIT CAV | 8.245,70 | |
| CEPEC23OH1MX0QF9 | ABRENSA EEC 2300 H CTRL MAX KIT CAV | 8.691,00 | |
| CEPEC30OH1MX0QF9 | ABRENSA EEC 3000 H CTRL MAX KIT CAV | 10.225,30 | |
| CEPEC33OH1MX0QF9 | ABRENSA EEC 3300 H CTRL MAX KIT CAV | 10.957,60 | |
| CEPEC47OH1MX0QF9 | ABRENSA EEC 4600 H CTRL MAX KIT CAV | 11.781,80 | |
| CEPEC67OH1MX0QF9 | ABRENSA EEC 6700 H CTRL MAX KIT CAV | 16.487,70 | |

ABRENSA EEC VERTICAL

| VERTICAL ABRENSA EEC ePM1 70%/ePM1 70% (ex. F7/F7) CTRL MAX | | | |
|---|-----------------------------|---------------------|--|
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| CEPEC06AV1MX00F7 | ABRENSA EEC 600 V CTRL MAX | 6.115,40 | |
| CEPEC13AV1MX00F7 | ABRENSA EEC 1300 V CTRL MAX | 7.576,10 | |
| CEPEC19AV1MX00F7 | ABRENSA EEC 1900 V CTRL MAX | 8.201,50 | |
| CEPEC23AV1MX00F7 | ABRENSA EEC 2300 V CTRL MAX | 8.654,20 | |
| CEPEC30AV1MX00F7 | ABRENSA EEC 3000 V CTRL MAX | 10.166,50 | |
| CEPEC33AV1MX00F7 | ABRENSA EEC 3300 V CTRL MAX | 10.898,60 | |
| CEPEC47AV1MX00F7 | ABRENSA EEC 4600 V CTRL MAX | 11.958,40 | |
| CEPEC67AV1MX00F7 | ABRENSA EEC 6700 V CTRL MAX | 16.347,90 | |

| VERTICAL ABRENSA EEC ePM1 70%+ePM1 >80%/ePM1 70% (ex. F7+F9/F7) CTRL MAX | | | |
|--|-----------------------------|---------------------|--|
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| CEPEC06AV1MX00F9 | ABRENSA EEC 600 V CTRL MAX | 6.229,30 | |
| CEPEC13AV1MX00F9 | ABRENSA EEC 1300 V CTRL MAX | 7.715,90 | |
| CEPEC19AV1MX00F9 | ABRENSA EEC 1900 V CTRL MAX | 8.374,60 | |
| CEPEC23AV1MX00F9 | ABRENSA EEC 2300 V CTRL MAX | 8.827,10 | |
| CEPEC30AV1MX00F9 | ABRENSA EEC 3000 V CTRL MAX | 10.390,80 | |
| CEPEC33AV1MX00F9 | ABRENSA EEC 3300 V CTRL MAX | 11.123,10 | |
| CEPEC47AV1MX00F9 | ABRENSA EEC 4600 V CTRL MAX | 12.182,70 | |
| CEPEC67AV1MX00F9 | ABRENSA EEC 6700 V CTRL MAX | 16.631,20 | |

| VERTICAL ABRENSA EEC ePM1 70%/ePM1 70% (ex. F7/F7) CTRL MAX + BA water coil batería de agua | | | |
|---|--------------------------------|---------------------|--|
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| CEPEC06AV1MXBAF7 | ABRENSA EEC 600 V CTRL MAX BA | 7.561,30 | |
| CEPEC13AV1MXBAF7 | ABRENSA EEC 1300 V CTRL MAX BA | 9.128,90 | |
| CEPEC19AV1MXBAF7 | ABRENSA EEC 1900 V CTRL MAX BA | 9.857,30 | |
| CEPEC23AV1MXBAF7 | ABRENSA EEC 2300 V CTRL MAX BA | 10.310,00 | |
| CEPEC30AV1MXBAF7 | ABRENSA EEC 3000 V CTRL MAX BA | 11.873,70 | |
| CEPEC33AV1MXBAF7 | ABRENSA EEC 3300 V CTRL MAX BA | 12.606,00 | |
| CEPEC47AV1MXBAF7 | ABRENSA EEC 4600 V CTRL MAX BA | 13.871,60 | |
| CEPEC67AV1MXBAF7 | ABRENSA EEC 6700 V CTRL MAX BA | 18.452,70 | |

| VERTICAL ABRENSA EEC ePM1 70%+ePM1 >80%/ePM1 70% (ex. F7+F9/F7) CTRL MAX + BA water coil batería de agua | | | |
|--|--------------------------------|---------------------|--|
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| CEPEC06AV1MXBAF9 | ABRENSA EEC 600 V CTRL MAX BA | 7.675,40 | |
| CEPEC13AV1MXBAF9 | ABRENSA EEC 1300 V CTRL MAX BA | 9.268,70 | |
| CEPEC19AV1MXBAF9 | ABRENSA EEC 1900 V CTRL MAX BA | 10.030,20 | |
| CEPEC23AV1MXBAF9 | ABRENSA EEC 2300 V CTRL MAX BA | 10.482,90 | |
| CEPEC30AV1MXBAF9 | ABRENSA EEC 3000 V CTRL MAX BA | 12.098,20 | |
| CEPEC33AV1MXBAF9 | ABRENSA EEC 3300 V CTRL MAX BA | 12.830,30 | |
| CEPEC47AV1MXBAF9 | ABRENSA EEC 4600 V CTRL MAX BA | 14.096,10 | |
| CEPEC67AV1MXBAF9 | ABRENSA EEC 6700 V CTRL MAX BA | 18.736,00 | |

| VERTICAL ABRENSA EEC ePM1 70%/ePM1 70% (ex. F7/F7) CTRL MAX + BAM mixed water coil batería de agua mixta | | | |
|--|--------|---------------------------------|-------------------|
| Code | Código | Model Modelo | R.R.P € P.V.P € |
| CEPEC06AV1MXBAMF7 | | ABRENSA EEC 600 V CTRL MAX BAM | 8.131,60 |
| CEPEC13AV1MXBAMF7 | | ABRENSA EEC 1300 V CTRL MAX BAM | 9.599,70 |
| CEPEC19AV1MXBAMF7 | | ABRENSA EEC 1900 V CTRL MAX BAM | 10.939,10 |
| CEPEC23AV1MXBAMF7 | | ABRENSA EEC 2300 V CTRL MAX BAM | 11.391,60 |
| CEPEC30AV1MXBAMF7 | | ABRENSA EEC 3000 V CTRL MAX BAM | 13.503,80 |
| CEPEC33AV1MXBAMF7 | | ABRENSA EEC 3300 V CTRL MAX BAM | 14.235,90 |
| CEPEC47AV1MXBAMF7 | | ABRENSA EEC 4600 V CTRL MAX BAM | 16.197,20 |
| CEPEC67AV1MXBAMF7 | | ABRENSA EEC 6700 V CTRL MAX BAM | 20.630,90 |

| VERTICAL ABRENSA EEC ePM1 70%+ePM1 >80%/ePM1 70% (ex. F7+F9/F7) CTRL MAX + BAM mixed water coil batería de agua mixta | | | |
|---|--------|---------------------------------|-------------------|
| Code | Código | Model Modelo | R.R.P € P.V.P € |
| CEPEC06AV1MXBAMF9 | | ABRENSA EEC 600 V CTRL MAX BAM | 8.245,70 |
| CEPEC13AV1MXBAMF9 | | ABRENSA EEC 1300 V CTRL MAX BAM | 9.739,70 |
| CEPEC19AV1MXBAMF9 | | ABRENSA EEC 1900 V CTRL MAX BAM | 11.112,00 |
| CEPEC23AV1MXBAMF9 | | ABRENSA EEC 2300 V CTRL MAX BAM | 11.564,70 |
| CEPEC30AV1MXBAMF9 | | ABRENSA EEC 3000 V CTRL MAX BAM | 13.728,10 |
| CEPEC33AV1MXBAMF9 | | ABRENSA EEC 3300 V CTRL MAX BAM | 14.460,40 |
| CEPEC47AV1MXBAMF9 | | ABRENSA EEC 4600 V CTRL MAX BAM | 16.421,50 |
| CEPEC67AV1MXBAMF9 | | ABRENSA EEC 6700 V CTRL MAX BAM | 20.914,20 |

| VERTICAL ABRENSA EEC ePM1 70%/ePM1 70% (ex. F7/F7) CTRL MAX + BE electrical coil batería eléctrica | | | |
|--|--------|--------------------------------|-------------------|
| Code | Código | Model Modelo | R.R.P € P.V.P € |
| CEPEC06AV1MXBEF7 | | ABRENSA EEC 600 V CTRL MAX BE | 7.940,40 |
| CEPEC13AV1MXBEF7 | | ABRENSA EEC 1300 V CTRL MAX BE | 9.430,50 |
| CEPEC19AV1MXBEF7 | | ABRENSA EEC 1900 V CTRL MAX BE | 10.390,80 |
| CEPEC23AV1MXBEF7 | | ABRENSA EEC 2300 V CTRL MAX BE | 10.843,50 |
| CEPEC30AV1MXBEF7 | | ABRENSA EEC 3000 V CTRL MAX BE | 12.668,50 |
| CEPEC33AV1MXBEF7 | | ABRENSA EEC 3300 V CTRL MAX BE | 13.400,60 |
| CEPEC47AV1MXBEF7 | | ABRENSA EEC 4600 V CTRL MAX BE | 14.968,20 |
| CEPEC67AV1MXBEF7 | | ABRENSA EEC 6700 V CTRL MAX BE | 20.097,40 |

| VERTICAL ABRENSA EEC ePM1 70%+ePM1 >80%/ePM1 70% (ex. F7+F9/F7) CTRL MAX + BE electrical coil batería eléctrica | | | |
|---|--------|--------------------------------|-------------------|
| Code | Código | Model Modelo | R.R.P € P.V.P € |
| CEPEC06AV1MXBEF9 | | ABRENSA EEC 600 V CTRL MAX BE | 8.054,30 |
| CEPEC13AV1MXBEF9 | | ABRENSA EEC 1300 V CTRL MAX BE | 9.570,30 |
| CEPEC19AV1MXBEF9 | | ABRENSA EEC 1900 V CTRL MAX BE | 10.563,90 |
| CEPEC23AV1MXBEF9 | | ABRENSA EEC 2300 V CTRL MAX BE | 11.016,40 |
| CEPEC30AV1MXBEF9 | | ABRENSA EEC 3000 V CTRL MAX BE | 12.893,00 |
| CEPEC33AV1MXBEF9 | | ABRENSA EEC 3300 V CTRL MAX BE | 13.625,10 |
| CEPEC47AV1MXBEF9 | | ABRENSA EEC 4600 V CTRL MAX BE | 15.192,70 |
| CEPEC67AV1MXBEF9 | | ABRENSA EEC 6700 V CTRL MAX BE | 20.380,70 |

| VERTICAL ABRENSA EEC ePM1 70%/ePM1 70% (ex. F7/F7) CTRL MAX + KIT COP | | | |
|---|--------|-------------------------------------|-------------------|
| Code | Código | Model Modelo | R.R.P € P.V.P € |
| CEPEC06AV1MX0PF7 | | ABRENSA EEC 600 V CTRL MAX KIT COP | 6.538,50 |
| CEPEC13AV1MX0PF7 | | ABRENSA EEC 1300 V CTRL MAX KIT COP | 7.999,20 |
| CEPEC19AV1MX0PF7 | | ABRENSA EEC 1900 V CTRL MAX KIT COP | 8.624,80 |
| CEPEC23AV1MX0PF7 | | ABRENSA EEC 2300 V CTRL MAX KIT COP | 9.077,30 |
| CEPEC30AV1MX0PF7 | | ABRENSA EEC 3000 V CTRL MAX KIT COP | 10.589,60 |
| CEPEC33AV1MX0PF7 | | ABRENSA EEC 3300 V CTRL MAX KIT COP | 11.321,70 |
| CEPEC47AV1MX0PF7 | | ABRENSA EEC 4600 V CTRL MAX KIT COP | 12.381,50 |
| CEPEC67AV1MX0PF7 | | ABRENSA EEC 6700 V CTRL MAX KIT COP | 16.771,20 |

| VERTICAL ABRENSA EEC ePM1 70%+ePM1 >80%/ePM1 70% (ex. F7+F9/F7) CTRL MAX + KIT COP | | | |
|--|--------|-------------------------------------|-------------------|
| Code | Código | Model Modelo | R.R.P € P.V.P € |
| CEPEC06AV1MX0PF9 | | ABRENSA EEC 600 V CTRL MAX KIT COP | 6.652,60 |
| CEPEC13AV1MX0PF9 | | ABRENSA EEC 1300 V CTRL MAX KIT COP | 8.139,00 |
| CEPEC19AV1MX0PF9 | | ABRENSA EEC 1900 V CTRL MAX KIT COP | 8.797,70 |
| CEPEC23AV1MX0PF9 | | ABRENSA EEC 2300 V CTRL MAX KIT COP | 9.250,20 |
| CEPEC30AV1MX0PF9 | | ABRENSA EEC 3000 V CTRL MAX KIT COP | 10.814,10 |
| CEPEC33AV1MX0PF9 | | ABRENSA EEC 3300 V CTRL MAX KIT COP | 11.546,20 |
| CEPEC47AV1MX0PF9 | | ABRENSA EEC 4600 V CTRL MAX KIT COP | 12.606,00 |
| CEPEC67AV1MX0PF9 | | ABRENSA EEC 6700 V CTRL MAX KIT COP | 17.054,50 |

| VERTICAL ABRENSA EEC ePM1 70%/ePM1 70% (ex. F7/F7) CTRL MAX + KIT CAV | | | |
|---|--------|-------------------------------------|-------------------|
| Code | Código | Model Modelo | R.R.P € P.V.P € |
| CEPEC06AV1MX0QF7 | | ABRENSA EEC 600 V CTRL MAX KIT CAV | 6.538,50 |
| CEPEC13AV1MX0QF7 | | ABRENSA EEC 1300 V CTRL MAX KIT CAV | 7.999,20 |
| CEPEC19AV1MX0QF7 | | ABRENSA EEC 1900 V CTRL MAX KIT CAV | 8.624,80 |
| CEPEC23AV1MX0QF7 | | ABRENSA EEC 2300 V CTRL MAX KIT CAV | 9.077,30 |
| CEPEC30AV1MX0QF7 | | ABRENSA EEC 3000 V CTRL MAX KIT CAV | 10.589,60 |
| CEPEC33AV1MX0QF7 | | ABRENSA EEC 3300 V CTRL MAX KIT CAV | 11.321,70 |
| CEPEC47AV1MX0QF7 | | ABRENSA EEC 4600 V CTRL MAX KIT CAV | 12.381,50 |
| CEPEC67AV1MX0QF7 | | ABRENSA EEC 6700 V CTRL MAX KIT CAV | 16.771,20 |

| VERTICAL ABRENSA EEC ePM1 70%+ePM1 >80%/ePM1 70% (ex. F7+F9/F7) CTRL MAX +KIT CAV | | | |
|---|--------|-------------------------------------|-------------------|
| Code | Código | Model Modelo | R.R.P € P.V.P € |
| CEPEC06AV1MX0QF9 | | ABRENSA EEC 600 V CTRL MAX KIT CAV | 6.652,60 |
| CEPEC13AV1MX0QF9 | | ABRENSA EEC 1300 V CTRL MAX KIT CAV | 8.139,00 |
| CEPEC19AV1MX0QF9 | | ABRENSA EEC 1900 V CTRL MAX KIT CAV | 8.797,70 |
| CEPEC23AV1MX0QF9 | | ABRENSA EEC 2300 V CTRL MAX KIT CAV | 9.250,20 |
| CEPEC30AV1MX0QF9 | | ABRENSA EEC 3000 V CTRL MAX KIT CAV | 10.814,10 |
| CEPEC33AV1MX0QF9 | | ABRENSA EEC 3300 V CTRL MAX KIT CAV | 11.546,20 |
| CEPEC47AV1MX0QF9 | | ABRENSA EEC 4600 V CTRL MAX KIT CAV | 12.606,00 |
| CEPEC67AV1MX0QF9 | | ABRENSA EEC 6700 V CTRL MAX KIT CAV | 17.054,50 |

FILTERS | FILTROS ABRENSA EEC

| Replacement filters Filtros para recambio ePM1 70% (ex. F7) Horizontal/Vertical | | | | | | |
|---|--------------------------------------|--------------------------|---------------------------|---|---------------------|--|
| Code Código | Model Modelo | Dimensions Dimensiones | Application Aplicación | Filters for unit Filtros por unidad * | R.R.P. € P.V.P. € | |
| FLTCEPHECH06F7 | FILT. ePM1 70% ABRENSA EEC 600 | 345x355 | ABRENSA EEC 600 H/V | 1 | 57,80 | |
| FLTCEPHECH13F7 | FILT. ePM1 70% ABRENSA EEC 1300 | 455x395 | ABRENSA EEC 1300 H/V | 1 | 65,50 | |
| FLTCEPHECH19F7 | FILT. ePM1 70% ABRENSA EEC 1900/2300 | 565x495 | ABRENSA EEC 1900/2300 H/V | 1 | 101,90 | |
| FLTCEPHECH30F7 | FILT. ePM1 70% ABRENSA EEC 3000/3300 | 740x545 | ABRENSA EEC 3000/3300 H/V | 1 | 116,60 | |
| FLTCEPHECH47F7 | FILT. ePM1 70% ABRENSA EEC 4600 | 740x595 | ABRENSA EEC 4600 H/V | 1 | 142,80 | |
| FLTCEPHECH67F7 | FILT. ePM1 70% ABRENSA EEC 6700 | 820x795 | ABRENSA EEC 6700 H/V | 1 | 208,60 | |

| Replacement filters Filtros para recambio ePM1 >80% (ex. F9) Horizontal/Vertical | | | | | | |
|--|---------------------------------------|--------------------------|---------------------------|---|---------------------|--|
| Code Código | Model Modelo | Dimensions Dimensiones | Application Aplicación | Filters for unit Filtros por unidad * | R.R.P. € P.V.P. € | |
| FLTCEPHECH06F9 | FILT. ePM1 >80% ABRENSA EEC 600 | 345x355 | ABRENSA EEC 600 H/V | 1 | 65,90 | |
| FLTCEPHECH13F9 | FILT. ePM1 >80% ABRENSA EEC 1300 | 455x395 | ABRENSA EEC 1300 H/V | 1 | 68,80 | |
| FLTCEPHECH19F9 | FILT. ePM1 >80% ABRENSA EEC 1900/2300 | 565x495 | ABRENSA EEC 1900/2300 H/V | 1 | 107,10 | |
| FLTCEPHECH30F9 | FILT. ePM1 >80% ABRENSA EEC 3000/3300 | 740x545 | ABRENSA EEC 3000/3300 H/V | 1 | 122,50 | |
| FLTCEPHECH47F9 | FILT. ePM1 >80% ABRENSA EEC 4600 | 740x595 | ABRENSA EEC 4600 H/V | 1 | 150,20 | |
| FLTCEPHECH67F9 | FILT. ePM1 >80% ABRENSA EEC 6700 | 820x795 | ABRENSA EEC 6700 H/V | 1 | 218,90 | |

* When placing an order, please take into account that the filters RRP is unitary and must be multiplied by the indicated quantities for each unit of exchanger

* Al hacer el pedido debe tener en cuenta que el PVP de los filtros es unitario y debe multiplicarse por las cantidades indicadas para cada unidad de recuperador.

ROOF COWL | TEJADILLO ABRENSA EEC

| Weather protective roof for Tejadillo para lluvia para ABRENSA EEC Horizontal | | | | | | |
|---|-----------------------------|--------------------------|--------------------------|---------------------|--|--|
| Code Código | Model Modelo | Dimensions Dimensiones | Application Aplicación | R.R.P. € P.V.P. € | | |
| TEJCEPHECH06 | TEJ ABRENSA EEC 600 H | 960x960 | ABRENSA EEC 600 H | 128,80 | | |
| TEJCEPHECH13 | TEJ ABRENSA EEC 1300 H | 1200X1200 | ABRENSA EEC 1300 H | 150,90 | | |
| TEJCEPHECH19 | TEJ ABRENSA EEC 1900/2300 H | 1360X1360 | ABRENSA EEC 1900/2300 H | 257,60 | | |
| TEJCEPHECH30 | TEJ ABRENSA EEC 3000/3300 H | 1610X1610 | ABRENSA EEC 3000/3300 H | 287,00 | | |
| TEJCEPHECH47 | TEJ ABRENSA EEC 4600 H | 1660X1660 | ABRENSA EEC 4600 H | 294,40 | | |
| TEJCEPHECH67 | TEJ ABRENSA EEC 6700 H | 2010X2010 | ABRENSA EEC 6700 H | 397,50 | | |

| Weather protective roof for Tejadillo para lluvia para ABRENSA EEC Vertical | | | | | | |
|---|-------------------------------|--------------------------|---------------------------|---------------------|--|--|
| Code Código | Model Modelo | Dimensions Dimensiones | Application Aplicación | R.R.P. € P.V.P. € | | |
| TEJCEPHECV06 | TEJ ABRENSA EEC 600 V | 520X1060 | ABRENSA EEC 600 V | 114,10 | | |
| TEJCEPHECV13 | TEJ ABRENSA EEC 1300 V | 560X1560 | ABRENSA EEC 1300 V | 128,80 | | |
| TEJCEPHECV19 | TEJ ABRENSA EEC 1900/2300 V | 660X1710 | ABRENSA EEC 1900/2300 V | 139,80 | | |
| TEJCEPHECV30 | TEJ ABRENSA EEC 3000/3300 H V | 710X1910 | ABRENSA EEC 3000/3300 H V | 172,90 | | |
| TEJCEPHECV47 | TEJ ABRENSA EEC 4600 V | 760X2160 | ABRENSA EEC 4600 V | 206,00 | | |
| TEJCEPHECV67 | TEJ ABRENSA EEC 6700 V | 960X2160 | ABRENSA EEC 6700 V | 224,50 | | |

ARUMAK LP EEC

Low profile counter flow heat exchanger with EC motor

Recuperador de contraflujo con perfil reducido y motor EC



79%



MANUFACTURING FEATURES

Medium-high efficiency heat recovery unit (Eff.79%). Low profile with electronic regulation and EC motor for an optimized management. Counter flow heat exchanger, Eurovent certified. Assembled in insulated steel casing with sandwich polyurethane foam panels insulation. With partial bypass and regulation control CTRL-F and CTRL-DPH (see options in control chart). With ISO ePM1 70% or ISO ePM1 70% + ISO ePM1 >80% / ISO ePM1 70% (F7+F9/F7) filters. Horizontal and false ceiling installation versions.

CHASSIS:

- Modular structure made of extruded aluminium profiles and sandwich panels made of Aluzinc.
- Sandwich panels with injected polyurethane foam insulation, density 42 kg/m³.

HEAT EXCHANGER:

- Aluminium counter flow heat exchanger, 79% efficiency.
- Recutech brand certified by Eurovent.

FANS:

- Centrifugal fan with direct EC motor coupled with double inlet. According to ErP 2018.

FILTERS:

- ISO ePM1 70% / ISO ePM1 70% (F7/F7) or ISO ePM1 70% + ISO ePM1 >80% / ISO ePM1 70% (F7+F9/F7) filters.

CONTROL:

- CTRL-F: 4 speeds, ON / OFF bypass, 3 temperatures and indication of filter failure. No portable display. Optional: portable display with connection cables.

- CTRL-DPH: manages bypass automatically, manual or automatic speed control by choosing constant flow (CAV), variable flow rate (VAV) and constant pressure (COP). It is necessary to install COP kit, CAV or CO₂ sensor for VAV. It allows temperature regulation, failure detection, time scheduling, etc.

CAV- CONSTANT FLOW

COP- CONSTANT PRESSURE

VAV - VARIABLE FLOW (CO₂ sensor).

APPLICATIONS

- Malls, small shops, banks, hostelry, schools, office buildings, public buildings.

UNDER REQUEST

- CTRL-MAX₂ with Modbus RTU protocol.
- ISO ePM1 >80% / ISO ePM1 70% (F7/F9) filters.
- Kit COP+CAV and VAV.
- Other special configurations

CARACTERÍSTICAS CONSTRUCTIVAS

Unidad de recuperación de calor de media-alta eficiencia (Eff. 79%) de bajo perfil con regulación electrónica y motor EC para una gestión optimizada. Con intercambiador de contraflujo certificado Eurovent, montados en cajas de acero aislados con paneles de doble pared de espuma de poliuretano. Con bypass parcial y control de regulación CTRL-F y CTRL-DPH (ver opciones en cuadro de controles). Con filtros ISO ePM1 70% or ISO ePM1 70% + ISO ePM1 >80% / ISO ePM1 70% (F7+F9/F7). Versiones para instalación horizontal y falso techo.

CHASIS:

- Estructura modular, en perfil de aluminio extruido y paneles sándwich de Aluzinc.
- Paneles de doble pared aislado por espuma de poliuretano de densidad 42 kg/m³.

INTERCAMBIADOR DE CALOR:

- Intercambiador de calor de contraflujo de aluminio con eficiencia 79%.
- Marca Recutech certificado por Eurovent.

VENTILADORES:

- Ventiladores centrífugos de motor directo EC acoplado a doble aspiración. Conforme ErP 2018.

FILTROS:

- Filtros ISO ePM1 70% / ISO ePM1 70% (F7/F7) o ISO ePM1 70% + ISO ePM1 >80% / ISO ePM1 70% (F7+F9/F7).

CONTROL:

- CTRL-F: 4 velocidades, ON/OFF del bypass, input de 3 temperaturas y alarma indicación de colmatación de filtros.

- CTRL-DPH: control automático del bypass, control manual o automático de la velocidad eligiendo caudal constante (CAV), caudal variable (VAV) y presión constante (COP). Es necesario instalar kit COP, CAV o sonda CO₂ para VAV. Permite regulación de temperatura, detección de fallos, programación horaria, etc.
CAV - CAUDAL CONSTANTE
COP - PRESION CONSTANTE
VAV - CAUDAL VARIABLE (sonda CO₂)

APLICACIONES

- Centros comerciales, pequeñas tiendas, bancos, hostelería, escuelas, edificios de oficinas, edificios públicos.

BAJO DEMANDA

- CTRL Max₂ con protocolo Modbus RTU.
- Filtros ISO ePM1 >80% / ISO ePM1 70% (F7/F9).
- Kit COP+CAV, VAV.
- Otras configuraciones especiales.

ACCESSORIES | ACCESORIOS



REGD-1 pg.431

Speed controller.
Regulador de velocidad.



SCO2 pg.435

CO₂, HR and temperature probe.
Sonda de CO₂, HR, y temperatura.



DCO2 pg.435

CO₂, HR and temperature probe for duct.
Sonda de CO₂, HR, y temperatura para conducto.



FILTERS pg.404

Filters.
Filtros.



TEJ pg.421

Weather protective roof for ventilation boxes.
Tejadillo intemperie para cajas de ventilación.



VISC pg.421

Outdoor flange with bird guard for circular inlet.
Visera para intemperie con malla antipájaros para boca circular.

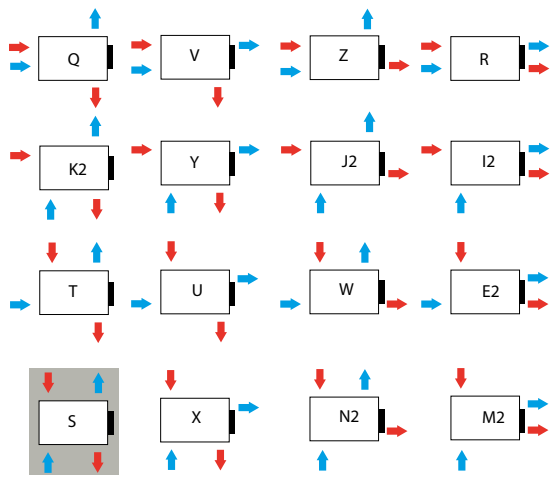
REFERENCES INTERPRETATION | INTERPRETACIÓN DE LAS REFERENCIAS

| ALECA04AH1PH0PF9 | ARUMAK LP EEC | 400 | BP | CTRL-DPH | F7+F9/F7 | EEC | H | COP |
|------------------|-----------------------------|----------------|--------|-----------------------------------|--|-------------------------------|---|---|
| Code Código | Denomination Denominación | Model Modelo | Bypass | Control · CTRL-F · CTRL-DPH | Filter Filtro · F7/F7 · F7+F9/F7 | Type EC motor Tipo motor EC | Configuration Configuración · Horizontal | Modo · Presión constante (COP) · Caudal constante (CAV) |

TECHNICAL DATA | DATOS TÉCNICOS

| Model | Rated I (A) 230V | Rat. Power W | Air flow m³/h | Weight Kg |
|--------------------|--------------------|--------------|------------------|-----------|
| Modelo | I nominal (A) 230V | Pot. nom W | Caudal máx. m³/h | Peso Kg |
| ARUMAK LP 425 EEC | 2x0,8 | 2x83 | 425 | 73 |
| ARUMAK LP 900 EEC | 2x1,4 | 2x170 | 920 | 90 |
| ARUMAK LP 1800 EEC | 2x2,8 | 2x448 | 1.850 | 147 |
| ARUMAK LP 2700 EEC | 2x3,1 | 2x715 | 2.650 | 261 |
| ARUMAK LP 4000 EEC | 2x5,6 | 2x1270 | 4.050 | 284 |

CONFIGURATIONS ARUMAK LP EEC 425-1800 | CONFIGURACIONES ARUMAK LP EEC 425-1800

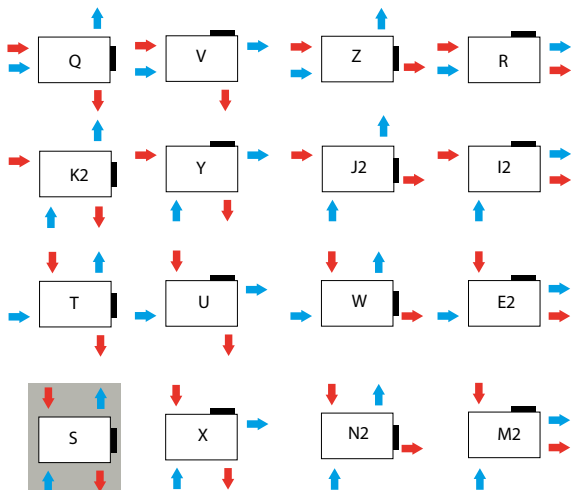


Standard configuration: S | Configuración estándar: S

FRESH AIR | AIRE NUEVO

EXHAUSTED AIR | AIRE EXTRAÍDO

CONFIGURATIONS ARUMAK LP EEC 2700-4000 | CONFIGURACIONES ARUMAK LP EEC 2700-4000



Standard configuration: S | Configuración estándar: S

FRESH AIR | AIRE NUEVO

EXHAUSTED AIR | AIRE EXTRAÍDO

ARUMAK LP EEC HORIZONTAL

| HORIZONTAL ePM1 70% / ePM1 70% (ex. F7/F7) CTRL-F | | | |
|--|--|---------------------|--|
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| ALEC04SH1F00F7 | ARUMAK LP 425 BP CTRL-F EEC H | 4.021,40 | |
| ALEC09SH1F00F7 | ARUMAK LP 900 BP CTRL-F EEC H | 4.960,50 | |
| ALEC18SH1F00F7 | ARUMAK LP 1800 BP CTRL-F EEC H | 7.683,20 | |
| ALEC27SH1F00F7 | ARUMAK LP 2700 BP CTRL-F EEC H | 10.458,10 | |
| ALEC40SH1F00F7 | ARUMAK LP 4000 BP CTRL-F EEC H | 13.112,70 | |
| HORIZONTAL ePM1 70% / ePM1 70% (ex. F7/F7) CTRL-DPH | | | |
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| ALEC04SH1PH00F7 | ARUMAK LP 425 BP CTRL-DPH EEC H | 4.854,80 | |
| ALEC09SH1PH00F7 | ARUMAK LP 900 BP CTRL-DPH EEC H | 5.781,80 | |
| ALEC18SH1PH00F7 | ARUMAK LP 1800 BP CTRL-DPH EEC H | 8.481,40 | |
| ALEC27SH1PH00F7 | ARUMAK LP 2700 BP CTRL-DPH EEC H | 11.202,80 | |
| ALEC40SH1PH00F7 | ARUMAK LP 4000 BP CTRL-DPH EEC H | 13.821,00 | |
| HORIZONTAL ePM1 70% / ePM1 70% (ex. F7/F7) CTRL-DPH + constant pressure presión constante (COP) | | | |
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| ALEC04SH1PH0PF7 | ARUMAK LP 425 BP CTRL-DPH EEC H + COP | 5.424,00 | |
| ALEC09SH1PH0PF7 | ARUMAK LP 900 BP CTRL-DPH EEC H + COP | 6.354,80 | |
| ALEC18SH1PH0PF7 | ARUMAK LP 1800 BP CTRL-DPH EEC H + COP | 9.087,40 | |
| ALEC27SH1PH0PF7 | ARUMAK LP 2700 BP CTRL-DPH EEC H + COP | 11.815,40 | |
| ALEC40SH1PH0PF7 | ARUMAK LP 4000 BP CTRL-DPH EEC H + COP | 14.433,50 | |
| HORIZONTAL ePM1 70% / ePM1 70% (ex. F7/F7) CTRL-DPH + constant flow caudal constante (CAV) | | | |
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| ALEC04SH1PH0QF7 | ARUMAK LP 425 BP CTRL-DPH EEC H + CAV | 5.469,80 | |
| ALEC09SH1PH0QF7 | ARUMAK LP 900 BP CTRL-DPH EEC H + CAV | 6.400,60 | |
| ALEC18SH1PH0QF7 | ARUMAK LP 1800 BP CTRL-DPH EEC H + CAV | 9.134,40 | |
| ALEC27SH1PH0QF7 | ARUMAK LP 2700 BP CTRL-DPH EEC H + CAV | 11.863,50 | |
| ALEC40SH1PH0QF7 | ARUMAK LP 4000 BP CTRL-DPH EEC H + CAV | 14.481,60 | |
| HORIZONTAL ePM1 70% / ePM1 70% (ex. F7+F9/F7) CTRL-F | | | |
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| ALEC04SH1F00F9 | ARUMAK LP 425 BP CTRL-F EEC H | 4.100,40 | |
| ALEC09SH1F00F9 | ARUMAK LP 900 BP CTRL-F EEC H | 5.074,80 | |
| ALEC18SH1F00F9 | ARUMAK LP 1800 BP CTRL-F EEC H | 7.844,70 | |
| ALEC27SH1F00F9 | ARUMAK LP 2700 BP CTRL-F EEC H | 10.714,40 | |
| ALEC40SH1F00F9 | ARUMAK LP 4000 BP CTRL-F EEC H | 13.454,00 | |
| HORIZONTAL ePM1 70% / ePM1 >80% / ePM1 70% (ex. F7+F9/F7) CTRL-DPH | | | |
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| ALEC04SH1PH00F9 | ARUMAK LP 425 BP CTRL-DPH EEC H | 4.933,80 | |
| ALEC09SH1PH00F9 | ARUMAK LP 900 BP CTRL-DPH EEC H | 5.896,00 | |
| ALEC18SH1PH00F9 | ARUMAK LP 1800 BP CTRL-DPH EEC H | 8.643,00 | |
| ALEC27SH1PH00F9 | ARUMAK LP 2700 BP CTRL-DPH EEC H | 11.459,20 | |
| ALEC40SH1PH00F9 | ARUMAK LP 4000 BP CTRL-DPH EEC H | 14.162,40 | |
| HORIZONTAL ePM1 70% / ePM1 >80% / ePM1 70% (ex. F7+F9/F7) CTRL-DPH + constant pressure presión constante (COP) | | | |
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| ALEC04SH1PH0PF9 | ARUMAK LP 425 BP CTRL-DPH EEC H + COP | 5.503,00 | |
| ALEC09SH1PH0PF9 | ARUMAK LP 900 BP CTRL-DPH EEC H + COP | 6.469,00 | |
| ALEC18SH1PH0PF9 | ARUMAK LP 1800 BP CTRL-DPH EEC H + COP | 9.249,00 | |
| ALEC27SH1PH0PF9 | ARUMAK LP 2700 BP CTRL-DPH EEC H + COP | 12.071,70 | |
| ALEC40SH1PH0PF9 | ARUMAK LP 4000 BP CTRL-DPH EEC H + COP | 14.775,00 | |
| HORIZONTAL ePM1 70% / ePM1 >80% / ePM1 70% (ex. F7+F9/F7) CTRL-DPH + constant flow caudal constante (CAV) | | | |
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| ALEC04SH1PH0QF9 | ARUMAK LP 425 BP CTRL-DPH EEC H + CAV | 5.548,70 | |
| ALEC09SH1PH0QF9 | ARUMAK LP 900 BP CTRL-DPH EEC H + CAV | 6.514,80 | |
| ALEC18SH1PH0QF9 | ARUMAK LP 1800 BP CTRL-DPH EEC H + CAV | 9.296,00 | |
| ALEC27SH1PH0QF9 | ARUMAK LP 2700 BP CTRL-DPH EEC H + CAV | 12.119,80 | |
| ALEC40SH1PH0QF9 | ARUMAK LP 4000 BP CTRL-DPH EEC H + CAV | 14.823,00 | |

FILTERS | FILTROS ABRENSA EEC

| Replacement filters for extraction Filtros para recambio para extracción ePM1 70% (ex. F7) | | | | | | |
|--|--|------------|--|---|----------|---------------|
| Code Código | Model Modelo | Dim | Application Aplicación | Filters for unit Filtros por unidad * | R.R.P. € | P.V.P. € |
| FLTEAKLP05F7 | FILT. ePM1 70% ARUMAK LP 470 / ARUMAK LP EEC 425 (OUT) | 292x292x48 | ARUMAK LP 470 / ARUMAK LP EEC 425 | 1 | | 62,90 |
| FLTEAKLP09F7 | FILT. ePM1 70% ARUMAK LP 850 / ARUMAK LP EEC 900 (OUT) | 430x350x48 | ARUMAK LP 850 / ARUMAK LP EEC 900 | 1 | | 97,50 |
| FLTEAKLP20F7 | FILT. ePM1 70% ARUMAK LP 1750-2100 / ARUMAK LP EEC 1800 (OUT) | 400x625x48 | ARUMAK LP 1750-2100 / ARUMAK LP EEC 1800 | 1 | | 183,80 |
| FLTEAKLP35F7 | FILT. ePM1 70% ARUMAK LP 2900/4200 / ARUMAK LP EEC 2700/4000 (OUT) | 480x265x48 | ARUMAK LP 2900/4200 | 3 | | 75,20 |
| | | | ARUMAK LP EEC 2700/4000 | 4 | | |

| Replacement filters for supply Filtros para recambio para impulsión ePM1 70% (ex. F7) | | | | | | |
|---|---|------------|--|---|----------|--------------|
| Code Código | Model Modelo | Dim | Application Aplicación | Filters for unit Filtros por unidad * | R.R.P. € | P.V.P. € |
| FLTIKLP05F7 | FILT. ePM1 70% ARUMAK LP 470 / ARUMAK LP EEC 425 (IN) | 292x146x25 | ARUMAK LP 470 / ARUMAK LP EEC 425 | 2 | | 35,80 |
| FLTIKLP09F7 | FILT. ePM1 70% ARUMAK LP 850 / ARUMAK LP EEC 900 (IN) | 430x175x25 | ARUMAK LP 850 / ARUMAK LP EEC 900 | 2 | | 54,30 |
| FLTIKLP20F7 | FILT. ePM1 70% ARUMAK LP 1750-2100 / ARUMAK LP EEC 1800 (IN) | 200x625x25 | ARUMAK LP 1750-2100 / ARUMAK LP EEC 1800 | 2 | | 58,00 |
| FLTIKLP35F7 | FILT. ePM1 70% ARUMAK LP 2900/4200 / ARUMAK LP EEC 2700/4000 (IN) | 480x265x25 | ARUMAK LP 2900/4200 | 3 | | 72,80 |
| | | | ARUMAK LP EEC 2700/4000 | 4 | | |

| Replacement filters for supply Filtros para recambio para impulsión ePM1 >80% (ex. F9) | | | | | | |
|--|---|-------------|--|---|----------|---------------|
| Code Código | Model Modelo | Dim | Application Aplicación | Filters for unit Filtros por unidad * | R.R.P. € | P.V.P. € |
| FLTIKLP05F9 | FILT. ePM1 >80% ARUMAK LP 470 / ARUMAK LP EEC 425 | 292x292x048 | ARUMAK LP 470 / ARUMAK LP EEC 425 | 1 | | 103,60 |
| FLTIKLP09F9 | FILT. ePM1 >80% ARUMAK LP 850 / ARUMAK LP EEC 900 | 430x350x048 | ARUMAK LP 850 / ARUMAK LP EEC 900 | 1 | | 136,90 |
| FLTIKLP20F9 | FILT. ePM1 >80% ARUMAK LP 1750-2100 / ARUMAK LP EEC 1800 | 400x625x048 | ARUMAK LP 1750-2100 / ARUMAK LP EEC 1800 | 1 | | 209,70 |
| FLTIKLP35F9 | FILT. ePM1 >80% ARUMAK LP 2900/4200 / ARUMAK LP EEC 2700/4000 | 480x265x048 | ARUMAK LP 2900/4200 | 3 | | 102,40 |
| | | | ARUMAK LP EEC 2700/4000 | 4 | | |

* When placing an order, please take into account that the filters RRP is unitary and must be multiplied by the indicated quantities for each unit of exchanger

* Al hacer el pedido debe tener en cuenta que el PVP de los filtros es unitario y debe multiplicarse por las cantidades indicadas para cada unidad de recuperador.

ROOF COWL | TEJADILLO ARUMAK LP EEC

| Weather protective roof for Tejadillo para lluvia para ARUMAK LP y ARUMAK LP EEC | | | |
|--|--|--|---------------------|
| Code Código | Model Modelo | Application Aplicación | R.R.P. € P.V.P. € |
| TEJAKLP05 | TEJ ARUMAK LP 550 / ARUMAK LP EEC 425 | ARUMAK LP 470 / ARUMAK LP EEC 425 | 152,90 |
| TEJAKLP09 | TEJ ARUMAK LP 1000 / ARUMAK LP EEC 900 | ARUMAK LP 850 / ARUMAK LP EEC 900 | 160,30 |
| TEJAKLP20 | TEJ ARUMAK LP 2200-2500 / ARUMAK LP EEC 1800 | ARUMAK LP 1750-2100 / ARUMAK LP EEC 1800 | 204,80 |
| TEJAKLP30 | TEJ ARUMAK LP 2300 / ARUMAK LP EEC 2700 | ARUMAK LP 2900 / ARUMAK LP EEC 2700 | 293,60 |
| TEJAKLP42 | TEJ ARUMAK LP 3400 / ARUMAK LP EEC 4000 | ARUMAK LP 4200 / ARUMAK LP EEC 4000 | 397,20 |

ARUMAK EEC

Counter flow heat recovery with EC motor

Recuperador de calor de contraflujo con motor EC



80%



MANUFACTURING FEATURES

Medium-high efficiency heat recovery unit (Eff. 80%) with electronic regulation and EC motor for optimized management. Counter flow heat exchanger, Eurovent certified. Assembled in insulated steel casing with sandwich polyurethane foam panels. With total bypass and regulation control CTRL-DPH (see options in control chart), with COP, CAV and VAV modes. Configuration options: without heating, with electric or heating water coil integrated in the unit. With ISO ePM1 70% / ISO ePM1 70% (F7/F7) or ISO ePM1 70% + ISO ePM1 >80% / ISO ePM1 70% (F7+F9/F7 filters). Vertical and horizontal installation versions.

CHASSIS:

- Modular structure made of extruded aluminium profiles and sandwich panels made of Aluzinc.
- Sandwich panels with injected polyurethane foam insulation density 42 kg/m³.

HEAT EXCHANGER:

- Aluminium counter flow heat exchanger with 80% efficiency.
- Recutech brand certified by Eurovent.

FANS:

- Centrifugal fan with direct EC motor coupled with double inlet. According to ErP 2018.

FILTERS:

- ISO ePM1 70% or ISO ePM1 70% + ISO ePM1 >80% / ISO ePM1 70% (F7+F9/F7) filters.

CONTROL:

- CTRL-DPH: manages bypass automatically, manual or automatic speed control by choosing constant flow (CAV), variable flow rate (VAV) and constant pressure (COP). It is necessary to install kit COP, CAV or CO₂ sensor for VAV. It allows temperature regulation of post-heating water or electrical coils, failure detection, time scheduling, etc.

CAV- CONSTANT FLOW

COP- CONSTANT PRESSURE

VAV - VARIABLE FLOW (CO₂ sensor).

APPLICATIONS

- Malls, small shops, banks, hostelry, schools, office buildings, public buildings.

UNDER REQUEST

- Cold water coil.
- CTRL-MAX₂ with Modbus RTU protocol.
- Filtros ISO ePM1 >80% / ISO ePM1 70% (F7/F9).
- Kit COP+CAV and VAV.
- Other special configurations.

CARACTERÍSTICAS CONSTRUCTIVAS

Unidad de recuperación de calor de media-alta eficiencia (Eff. 80%) con regulación electrónica y motor EC para una gestión optimizada. Con intercambiador de contraflujo certificado Eurovent, montados en cajas de acero aislados con paneles de doble pared de espuma de poliuretano. Con bypass total y control de regulación CTRL-DPH (ver opciones en cuadro de controles), con modos COP, CAV y VAV. Diversas opciones de configuración: sin calefacción, con batería eléctrica o de agua caliente integradas en la unidad. Con filtros ISO ePM1 70% / ISO ePM1 70% (F7/F7) o ISO ePM1 70% + ISO ePM1 >80% / ISO ePM1 70% (F7+F9/F7). Versiones para instalación vertical, horizontal y exterior.

CHASIS:

- Estructura modular, en perfil de aluminio extruido y paneles sándwich de Aluzinc.
- Paneles de doble pared aislado por espuma de poliuretano de densidad 42 Kg/m³.

INTERCAMBIADOR DE CALOR:

- Intercambiador de calor de contraflujo de aluminio con eficiencia 80%.
- Marca Recutech certificado por Eurovent.

VENTILADORES:

- Ventiladores centrífugos de motor directo EC acoplado a doble aspiración conforme ErP 2018.

FILTROS:

- ISO ePM1 70% / ISO ePM1 70% (F7/F7) o ISO ePM1 70% + ISO ePM1 >80% / ISO ePM1 70% (F7+F9/F7).

CONTROL:

CTRL-DPH: control automático del bypass, control manual o automático de la velocidad eligiendo caudal constante (CAV), caudal variable (VAV) y presión constante (COP). Es necesario instalar kit COP, CAV o sonda CO₂ para VAV. Permite regulación de temperatura de post-calentamiento de las baterías eléctrica o de agua, detección de fallos, programación horaria, etc.

CAV- CAUDAL CONSTANTE

COP- PRESION CONSTANTE

VAV - CAUDAL VARIABLE (sonda CO₂)

APLICACIONES

- Centros comerciales, pequeñas tiendas, bancos, hostelería, escuelas, edificios de oficinas, edificios públicos.

BAJO DEMANDA

- Batería de agua fría.
- CTRL-MAX₂ con protocolo Modbus RTU.
- Filtros ISO ePM1 >80% / ISO ePM1 70% (F7/F9).
- Kit COP+CAV, VAV.
- Otras configuraciones especiales.

ACCESSORIES | ACCESORIOS



REGD-1 pg.431

Speed controller.
Regulador de velocidad.



SCO2 pg.435

CO₂, HR and temperature probe.
Sonda de CO₂, HR, y temperatura.



DCO2 pg.435

CO₂, HR and temperature probe for duct.
Sonda de CO₂, HR, y temperatura para conducto.



FILTERS pg.404

Filtros.
Filtros.



TEJ pg.421

Weather protective roof for ventilation boxes.
Tejadillo intemperie para cajas de ventilación.



VISC pg.421

Outdoor flange with bird guard for circular inlet.
Visera para intemperie con malla antipájaros para boca circular.

REFERENCES INTERPRETATION | INTERPRETACIÓN DE LAS REFERENCIAS

| AKECO4AH1PHBEQF7 | ARUMAK EEC | 400 | BP | CTRL-DPH | F7/F7 | BE 1ph | EEC | H | CAV |
|------------------|-----------------------------|----------------|--------|------------|-----------------------|--------------|-------------------------------|-------------------------------|---|
| Code Código | Denomination Denominación | Model Modelo | Bypass | Control | Filter Filtro | Batería | Type EC motor Tipo motor EC | Configuration Configuración | Modo |
| | | | | · CTRL-DPH | · F7/F7 · F7+F9/F7 | · BE · BA | | · Horizontal · Vertical | · Presión constante (COP) · Caudal constante (CAV) |

TECHNICAL DATA | DATOS TÉCNICOS

HEAT RECOVERY UNIT | UNIDAD DE RECUPERACIÓN

| Model Modelo | Rated I (A) I. nom. (A) 230V | Rated power Pot nom. W | Air flow Caudal m ³ /h | Efficiency Eficiencia % | Water coil Bat. agua | Electrical coil Bat. eléctrica | Weight Peso Kg |
|-----------------|--------------------------------|--------------------------|-------------------------------------|---------------------------|------------------------|------------------------------------|------------------|
| ARUMAK 430 EEC | 2x0,8 | 2x83 | 430 | 88,20 | BA ARUMAK 1 | BE 1ph ARUMAK 1 | 98 |
| ARUMAK 800 EEC | 2x1,4 | 2x170 | 800 | 83,60 | BA ARUMAK 2 | BE 1ph ARUMAK 2 | 114 |
| ARUMAK 2000 EEC | 2x2,8 | 2x448 | 2000 | 88,20 | BA ARUMAK 3 | BE 1ph ARUMAK 3 | 273 |
| ARUMAK 2600 EEC | 2x3,1 | 2x715 | 2600 | 85,70 | BA ARUMAK 4 | BE 1ph ARUMAK 4 BE 3ph ARUMAK 1 | 351 |

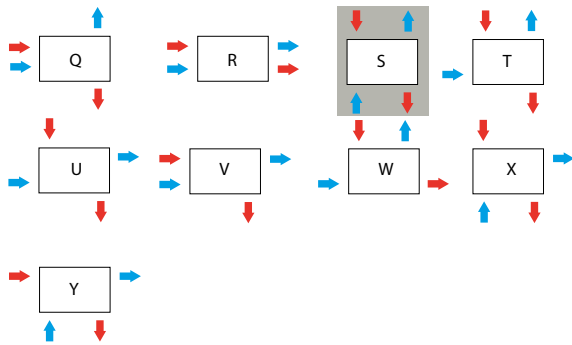
HEATING WATER COIL | BATERÍA DE AGUA CALIENTE

| Model Modelo | Power Pot. kW (T. int. 10°C) | Ø Tubes Tubos | Stages Etapas | Material | | |
|----------------|--------------------------------|-----------------|-----------------|---------------|---------------|---------------|
| | | | | Tubes Tubos | Fins Aletas | Frame Marco |
| BA ARUMAK 1 | 1,6 | 1/2" | 2 | Cu | Al | Fe Zn |
| BA ARUMAK 2 | 3,2 | 1/2" | 2 | Cu | Al | Fe Zn |
| BA ARUMAK 3 | 6,8 | 1/2" | 2 | Cu | Al | Fe Zn |
| BA ARUMAK 4 | 11,1 | 1/2" | 2 | Cu | Al | Fe Zn |

ELECTRICAL COIL | BATERÍA ELÉCTRICA

| Model Modelo | Power Pot. kW | Voltage Voltaje | Rated I I. nom. (A) | | Stages Etapas |
|-----------------|-----------------|-------------------|-----------------------|------|-----------------|
| | | | 230V | 400V | |
| BE 1ph ARUMAK 1 | 2 | 230V | 8,7 | - | 1 |
| BE 1ph ARUMAK 2 | 4 | 230V | 17,4 | - | 1 |
| BE 1ph ARUMAK 3 | 6 | 230V | 26,1 | - | 1 |
| BE 1ph ARUMAK 4 | 8 | 230V | 34,8 | - | 1 |
| BE 3ph ARUMAK 1 | 8 | 400V | - | 11,6 | 1 |
| BE 3ph ARUMAK 2 | 12 | 400V | - | 17,4 | 1 |

HORIZONTAL ARUMAK EEC VERSION | VERSIÓN HORIZONTAL ARUMAK EEC

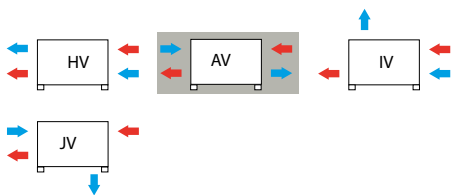


Standard configuration: S | Configuración estándar: S

FRESH AIR | AIRE NUEVO

EXHAUSTED AIR | AIRE EXTRAÍDO

VERTICAL ARUMAK EEC VERSION | VERSIÓN VERTICAL ARUMAK EEC



Standard configuration: AV | Configuración estándar: AV

FRESH AIR | AIRE NUEVO

EXHAUSTED AIR | AIRE EXTRAÍDO

ARUMAK EEC HORIZONTAL

| HORIZONTAL ePM1 70% / ePM1 70% (ex. F7/F7) CTRL-DPH | | | |
|--|--------|--|---------------------|
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| AKEC04SH1PH00F7 | | ARUMAK 430 BP CTRL-DPH EEC H | 5.678,60 |
| AKEC08SH1PH00F7 | | ARUMAK 800 BP CTRL-DPH EEC H | 6.573,90 |
| AKEC20SH1PH00F7 | | ARUMAK 2000 BP CTRL-DPH EEC H | 10.229,70 |
| AKEC26SH1PH00F7 | | ARUMAK 2600 BP CTRL-DPH EEC H | 13.475,90 |
| HORIZONTAL ePM1 70% / ePM1 70% (ex. F7/F7) CTRL-DPH BE electrical coil batería eléctrica | | | |
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| AKEC04SH1PHBE0F7 | | ARUMAK 400 BP CTRL-DPH BE 1ph EEC H | 6.271,50 |
| AKEC08SH1PHBE0F7 | | ARUMAK 800 BP CTRL-DPH BE 1ph EEC H | 7.205,80 |
| AKEC20SH1PHBE0F7 | | ARUMAK 1800 BP CTRL-DPH BE 1ph EEC H | 11.229,60 |
| AKEC26SH1PHBE0F7 | | ARUMAK 2500 BP CTRL-DPH BE 1ph EEC H | 14.840,30 |
| AKEC26SH1PHBET0F7 | | ARUMAK 2500 BP CTRL-DPH BE 3ph EEC H | 14.887,60 |
| HORIZONTAL ePM1 70% / ePM1 70% (ex. F7/F7) CTRL-DPH BE electrical coil batería eléctrica + constant pressure presión constante (COP) | | | |
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| AKEC04SH1PHBEPF7 | | ARUMAK 430 BP CTRL-DPH BE 1ph EEC H + COP | 6.840,60 |
| AKEC08SH1PHBEPF7 | | ARUMAK 800 BP CTRL-DPH BE 1ph EEC H + COP | 7.778,70 |
| AKEC20SH1PHBEPF7 | | ARUMAK 2000 BP CTRL-DPH BE 1ph EEC H + COP | 11.835,60 |
| AKEC26SH1PHBEPF7 | | ARUMAK 2600 BP CTRL-DPH BE 1ph EEC H + COP | 15.452,80 |
| AKEC26SH1PHBETPF7 | | ARUMAK 2600 BP CTRL-DPH BE 3ph EEC H + COP | 15.500,30 |
| HORIZONTAL ePM1 70% / ePM1 70% (ex. F7/F7) CTRL-DPH BE electrical coil batería eléctrica + constant flow caudal constante (CAV) | | | |
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| AKEC04SH1PHBEQF7 | | ARUMAK 430 BP CTRL-DPH BE 1ph EEC H + CAV | 6.886,40 |
| AKEC08SH1PHBEQF7 | | ARUMAK 800 BP CTRL-DPH BE 1ph EEC H + CAV | 7.824,40 |
| AKEC20SH1PHBEQF7 | | ARUMAK 2000 BP CTRL-DPH BE 1ph EEC H + CAV | 11.882,60 |
| AKEC26SH1PHBEQF7 | | ARUMAK 2600 BP CTRL-DPH BE 1ph EEC H + CAV | 15.501,00 |
| AKEC26SH1PHBETQF7 | | ARUMAK 2600 BP CTRL-DPH BE 3ph EEC H + CAV | 15.548,30 |
| HORIZONTAL ePM1 70% / ePM1 70% (ex. F7/F7) CTRL-DPH BA water coil batería de agua | | | |
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| AKEC04SH1PHBA0F7 | | ARUMAK 430 BP CTRL-DPH BA EEC H | 6.295,80 |
| AKEC08SH1PHBA0F7 | | ARUMAK 800 BP CTRL-DPH BA EEC H | 7.220,30 |
| AKEC20SH1PHBA0F7 | | ARUMAK 2000 BP CTRL-DPH BA EEC H | 10.985,40 |
| AKEC26SH1PHBA0F7 | | ARUMAK 2600 BP CTRL-DPH BA EEC H | 14.432,10 |
| HORIZONTAL ePM1 70% / ePM1 70% (ex. F7/F7) CTRL-DPH BA water coil batería de agua + constant pressure presión constante (COP) | | | |
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| AKEC04SH1PHBAPF7 | | ARUMAK 430 BP CTRL-DPH BA EEC H + COP | 6.864,90 |
| AKEC08SH1PHBAPF7 | | ARUMAK 800 BP CTRL-DPH BA EEC H + COP | 7.793,40 |
| AKEC20SH1PHBAPF7 | | ARUMAK 2000 BP CTRL-DPH BA EEC H + COP | 11.591,40 |
| AKEC26SH1PHBAPF7 | | ARUMAK 2600 BP CTRL-DPH BA EEC H + COP | 15.044,60 |
| HORIZONTAL ePM1 70% / ePM1 70% (ex. F7/F7) CTRL-DPH BA water coil batería de agua + constant flow caudal constante (CAV) | | | |
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| AKEC04SH1PHBAQF7 | | ARUMAK 430 BP CTRL-DPH BA EEC H + CAV | 6.910,70 |
| AKEC08SH1PHBAQF7 | | ARUMAK 800 BP CTRL-DPH BA EEC H + CAV | 7.839,10 |
| AKEC20SH1PHBAQF7 | | ARUMAK 2000 BP CTRL-DPH BA EEC H + CAV | 11.638,40 |
| AKEC26SH1PHBAQF7 | | ARUMAK 2600 BP CTRL-DPH BA EEC H + CAV | 15.092,80 |
| HORIZONTAL ePM1 70% / ePM1 70% (ex. F7/F7) CTRL-DPH + constant pressure presión constante (COP) | | | |
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| AKEC04SH1PH0PF7 | | ARUMAK 430 BP CTRL-DPH EEC H + COP | 6.247,70 |
| AKEC08SH1PH0PF7 | | ARUMAK 800 BP CTRL-DPH EEC H + COP | 7.147,00 |
| AKEC20SH1PH0PF7 | | ARUMAK 2000 BP CTRL-DPH EEC H + COP | 10.835,70 |
| AKEC26SH1PH0PF7 | | ARUMAK 2600 BP CTRL-DPH EEC H + COP | 14.088,40 |
| HORIZONTAL ePM1 70% / ePM1 70% (ex. F7/F7) CTRL-DPH + constant flow caudal constante (CAV) | | | |
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| AKEC04SH1PH0QF7 | | ARUMAK 430 BP CTRL-DPH EEC H + CAV | 6.293,50 |
| AKEC08SH1PH0QF7 | | ARUMAK 800 BP CTRL-DPH EEC H + CAV | 7.192,70 |
| AKEC20SH1PH0QF7 | | ARUMAK 2000 BP CTRL-DPH EEC H + CAV | 10.882,60 |
| AKEC26SH1PH0QF7 | | ARUMAK 2600 BP CTRL-DPH EEC H + CAV | 14.136,60 |
| HORIZONTAL ePM1 70%+ ePM1 >80% / ePM1 70% (ex. F7+F9/F7) CTRL-DPH | | | |
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| AKEC04SH1PHBE0F9 | | ARUMAK 430 BP CTRL-DPH EEC H | 5.757,50 |
| AKEC08SH1PHBE0F9 | | ARUMAK 800 BP CTRL-DPH EEC H | 6.689,40 |
| AKEC20SH1PHBE0F9 | | ARUMAK 2000 BP CTRL-DPH EEC H | 10.506,80 |
| AKEC26SH1PHBE0F9 | | ARUMAK 2600 BP CTRL-DPH EEC H | 13.887,70 |
| HORIZONTAL ePM1 70%+ ePM1 >80% / ePM1 70% (ex. F7+F9/F7) CTRL-DPH BE electrical coil batería eléctrica | | | |
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| AKEC04SH1PHBE0F9 | | ARUMAK 430 BP CTRL-DPH BE 1ph EEC H | 6.351,60 |
| AKEC08SH1PHBE0F9 | | ARUMAK 800 BP CTRL-DPH BE 1ph EEC H | 7.319,90 |
| AKEC20SH1PHBE0F9 | | ARUMAK 2000 BP CTRL-DPH BE 1ph EEC H | 11.506,50 |
| AKEC26SH1PHBE0F9 | | ARUMAK 2600 BP CTRL-DPH BE 1ph EEC H | 15.252,20 |
| AKEC26SH1PHBET0F9 | | ARUMAK 2600 BP CTRL-DPH BE 3ph EEC H | 15.299,50 |
| HORIZONTAL ePM1 70%+ ePM1 >80% / ePM1 70% (ex. F7+F9/F7) CTRL-DPH BE electrical coil batería eléctrica + constant pressure presión constante (COP) | | | |
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| AKEC04SH1PHBEPF9 | | ARUMAK 430 BP CTRL-DPH BE 1ph EEC H + COP | 6.920,90 |
| AKEC08SH1PHBEPF9 | | ARUMAK 800 BP CTRL-DPH BE 1ph EEC H + COP | 7.892,90 |
| AKEC20SH1PHBEPF9 | | ARUMAK 2000 BP CTRL-DPH BE 1ph EEC H + COP | 12.112,60 |
| AKEC26SH1PHBEPF9 | | ARUMAK 2600 BP CTRL-DPH BE 1ph EEC H + COP | 15.864,70 |
| AKEC26SH1PHBETPF9 | | ARUMAK 2600 BP CTRL-DPH BE 3ph EEC H + COP | 15.912,10 |

| HORIZONTAL ePM1 70%+ ePM1 >80% / ePM1 70% (ex. F7+F9/F7) CTRL-DPH BE electrical coil batería eléctrica + constant flow caudal constante (CAV) | | | |
|---|--|---------------------|--|
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| AKEC04SH1PHBEQF9 | ARUMAK 430 BP CTRL-DPH BE 1ph EEC H + CAV | 6.966,60 | |
| AKEC08SH1PHBEQF9 | ARUMAK 800 BP CTRL-DPH BE 1ph EEC H + CAV | 7.938,60 | |
| AKEC20SH1PHBEQF9 | ARUMAK 2000 BP CTRL-DPH BE 1ph EEC H + CAV | 12.159,60 | |
| AKEC26SH1PHBEQF9 | ARUMAK 2600 BP CTRL-DPH BE 1ph EEC H + CAV | 15.912,80 | |
| AKEC26SH1PHBETQF9 | ARUMAK 2600 BP CTRL-DPH BE 3ph EEC H + CAV | 15.960,20 | |
| HORIZONTAL ePM1 70%+ ePM1 >80% / ePM1 70% (ex. F7+F9/F7) CTRL-DPH BA water coil batería de agua | | | |
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| AKEC04SH1PHBAOF9 | ARUMAK 430 BP CTRL-DPH BA EEC H | 6.374,70 | |
| AKEC08SH1PHBAOF9 | ARUMAK 800 BP CTRL-DPH BA EEC H | 7.334,50 | |
| AKEC20SH1PHBAOF9 | ARUMAK 2000 BP CTRL-DPH BA EEC H | 11.261,20 | |
| AKEC26SH1PHBAOF9 | ARUMAK 2600 BP CTRL-DPH BA EEC H | 14.843,90 | |
| HORIZONTAL ePM1 70%+ ePM1 >80% / ePM1 70% (ex. F7+F9/F7) CTRL-DPH BA water coil batería de agua + constant pressure presión constante (COP) | | | |
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| AKEC04SH1PHBAPF9 | ARUMAK 430 BP CTRL-DPH BA EEC H + COP | 6.943,90 | |
| AKEC08SH1PHBAPF9 | ARUMAK 800 BP CTRL-DPH BA EEC H + COP | 7.907,50 | |
| AKEC20SH1PHBAPF9 | ARUMAK 2000 BP CTRL-DPH BA EEC H + COP | 11.867,10 | |
| AKEC26SH1PHBAPF9 | ARUMAK 2600 BP CTRL-DPH BA EEC H + COP | 15.456,50 | |
| HORIZONTAL ePM1 70%+ ePM1 >80% / ePM1 70% (ex. F7+F9/F7) CTRL-DPH BA water coil batería de agua + constant flow caudal constante (CAV) | | | |
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| AKEC04SH1PHBAQF9 | ARUMAK 430 BP CTRL-DPH BA EEC H + CAV | 6.989,60 | |
| AKEC08SH1PHBAQF9 | ARUMAK 800 BP CTRL-DPH BA EEC H + CAV | 7.953,30 | |
| AKEC20SH1PHBAQF9 | ARUMAK 2000 BP CTRL-DPH BA EEC H + CAV | 11.914,20 | |
| AKEC26SH1PHBAQF9 | ARUMAK 2600 BP CTRL-DPH BA EEC H + CAV | 15.504,70 | |
| HORIZONTAL ePM1 70%+ ePM1 >80% / ePM1 70% (ex. F7+F9/F7) CTRL-DPH + constant pressure presión constante (COP) | | | |
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| AKEC04SH1PHOPF9 | ARUMAK 430 BP CTRL-DPH EEC H + COP | 6.326,70 | |
| AKEC08SH1PHOPF9 | ARUMAK 800 BP CTRL-DPH EEC H + COP | 7.262,40 | |
| AKEC20SH1PHOPF9 | ARUMAK 2000 BP CTRL-DPH EEC H + COP | 11.112,70 | |
| AKEC26SH1PHOPF9 | ARUMAK 2600 BP CTRL-DPH EEC H + COP | 14.500,30 | |
| HORIZONTAL ePM1 70%+ ePM1 >80% / ePM1 70% (ex. F7+F9/F7) CTRL-DPH + constant flow caudal constante (CAV) | | | |
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| AKEC04SH1PHOQF9 | ARUMAK 430 BP CTRL-DPH EEC H + CAV | 6.372,50 | |
| AKEC08SH1PHOQF9 | ARUMAK 800 BP CTRL-DPH EEC H + CAV | 7.308,10 | |
| AKEC20SH1PHOQF9 | ARUMAK 2000 BP CTRL-DPH EEC H + CAV | 11.159,70 | |
| AKEC26SH1PHOQF9 | ARUMAK 2600 BP CTRL-DPH EEC H + CAV | 14.548,40 | |

ARUMAK EEC VERTICAL

| VERTICAL ePM1 70% / ePM1 70% (ex. F7/F7) CTRL-DPH | | | |
|--|--|---------------------|--|
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| AKEC04AV1PH00F7 | ARUMAK 430 BP CTRL-DPH EEC V | 5.860,70 | |
| AKEC08AV1PH00F7 | ARUMAK 800 BP CTRL-DPH EEC V | 6.722,20 | |
| AKEC20AV1PH00F7 | ARUMAK 2000 BP CTRL-DPH EEC V | 10.374,20 | |
| AKEC26AV1PH00F7 | ARUMAK 2600 BP CTRL-DPH EEC V | 13.499,00 | |
| VERTICAL ePM1 70% / ePM1 70% (ex. F7/F7) CTRL-DPH BE electrical coil batería eléctrica | | | |
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| AKEC04AV1PHBE0F7 | ARUMAK 430 BP CTRL-DPH BE 1ph EEC V | 6.453,70 | |
| AKEC08AV1PHBE0F7 | ARUMAK 800 BP CTRL-DPH BE 1ph EEC V | 7.439,00 | |
| AKEC20AV1PHBE0F7 | ARUMAK 2000 BP CTRL-DPH BE 1ph EEC V | 11.289,00 | |
| AKEC26AV1PHBE0F7 | ARUMAK 2600 BP CTRL-DPH BE 1ph EEC V | 14.864,70 | |
| AKEC26AV1PHBET0F7 | ARUMAK 2600 BP CTRL-DPH BE 3ph EEC V | 14.910,80 | |
| VERTICAL ePM1 70% / ePM1 70% (ex. F7/F7) CTRL-DPH BE electrical coil batería eléctrica + constant pressure presión constante (COP) | | | |
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| AKEC04AV1PHBEPF7 | ARUMAK 430 BP CTRL-DPH BE 1ph EEC V + COP | 7.022,90 | |
| AKEC08AV1PHBEPF7 | ARUMAK 800 BP CTRL-DPH BE 1ph EEC V + COP | 8.012,00 | |
| AKEC20AV1PHBEPF7 | ARUMAK 2000 BP CTRL-DPH BE 1ph EEC V + COP | 11.895,10 | |
| AKEC26AV1PHBEPF7 | ARUMAK 2600 BP CTRL-DPH BE 1ph EEC V + COP | 15.477,20 | |
| AKEC26AV1PHBETPF7 | ARUMAK 2600 BP CTRL-DPH BE 3ph EEC V + COP | 15.523,30 | |
| VERTICAL ePM1 70% / ePM1 70% (ex. F7/F7) CTRL-DPH BE electrical coil batería eléctrica + constant flow caudal constante (CAV) | | | |
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| AKEC04AV1PHBEQF7 | ARUMAK 430 BP CTRL-DPH BE 1ph EEC V + CAV | 7.068,60 | |
| AKEC08AV1PHBEQF7 | ARUMAK 800 BP CTRL-DPH BE 1ph EEC V + CAV | 8.057,70 | |
| AKEC20AV1PHBEQF7 | ARUMAK 2000 BP CTRL-DPH BE 1ph EEC V + CAV | 11.942,10 | |
| AKEC26AV1PHBEQF7 | ARUMAK 2600 BP CTRL-DPH BE 1ph EEC V + CAV | 15.525,30 | |
| AKEC26AV1PHBETQF7 | ARUMAK 2600 BP CTRL-DPH BE 3ph EEC V + CAV | 15.571,50 | |
| VERTICAL ePM1 70% / ePM1 70% (ex. F7/F7) CTRL-DPH BA water coil batería de agua | | | |
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| AKEC04AV1PHBAOF7 | ARUMAK 430 BP CTRL-DPH BA EEC V | 6.478,00 | |
| AKEC08AV1PHBAOF7 | ARUMAK 800 BP CTRL-DPH BA EEC V | 7.368,50 | |
| AKEC20AV1PHBAOF7 | ARUMAK 2000 BP CTRL-DPH BA EEC V | 11.130,00 | |
| AKEC26AV1PHBAOF7 | ARUMAK 2600 BP CTRL-DPH BA EEC V | 14.455,30 | |

| VERTICAL ePM1 70% / ePM1 70% (ex. F7/F7) CTRL-DPH BA water coil batería de agua + constant pressure presión constante (COP) | | | |
|---|--------|--|---------------------|
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| AKEC04AV1PHBAPF7 | | ARUMAK 430 BP CTRL-DPH BA EEC V + COP | 7.047,20 |
| AKEC08AV1PHBAPF7 | | ARUMAK 800 BP CTRL-DPH BA EEC V + COP | 7.941,60 |
| AKEC20AV1PHBAPF7 | | ARUMAK 2000 BP CTRL-DPH BA EEC V + COP | 11.735,90 |
| AKEC26AV1PHBAPF7 | | ARUMAK 2600 BP CTRL-DPH BA EEC V + COP | 15.067,80 |
| VERTICAL ePM1 70% / ePM1 70% (ex. F7/F7) CTRL-DPH BA water coil batería de agua + constant flow caudal constante (CAV) | | | |
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| AKEC04AV1PHBAQF7 | | ARUMAK 430 BP CTRL-DPH BA EEC V + CAV | 7.093,00 |
| AKEC08AV1PHBAQF7 | | ARUMAK 800 BP CTRL-DPH BA EEC V + CAV | 7.987,30 |
| AKEC20AV1PHBAQF7 | | ARUMAK 2000 BP CTRL-DPH BA EEC V + CAV | 11.783,00 |
| AKEC26AV1PHBAQF7 | | ARUMAK 2600 BP CTRL-DPH BA EEC V + CAV | 15.115,80 |
| VERTICAL ePM1 70% / ePM1 70% (ex. F7/F7) CTRL-DPH + constant flow caudal constante (CAV) | | | |
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| AKEC04AV1PH0QF7 | | ARUMAK 430 BP CTRL-DPH EEC V + CAV | 6.502,30 |
| AKEC08AV1PH0QF7 | | ARUMAK 800 BP CTRL-DPH EEC V + CAV | 7.367,30 |
| AKEC20AV1PH0QF7 | | ARUMAK 2000 BP CTRL-DPH EEC V + CAV | 11.052,20 |
| AKEC26AV1PH0QF7 | | ARUMAK 2600 BP CTRL-DPH EEC V + CAV | 14.184,30 |
| VERTICAL ePM1 70% / ePM1 70% (ex. F7/F7) CTRL-DPH + constant pressure presión constante (COP) | | | |
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| AKEC04AV1PH0PF7 | | ARUMAK 430 BP CTRL-DPH EEC V + COP | 6.458,50 |
| AKEC08AV1PH0PF7 | | ARUMAK 800 BP CTRL-DPH EEC V + COP | 7.323,50 |
| AKEC20AV1PH0PF7 | | ARUMAK 2000 BP CTRL-DPH EEC V + COP | 11.007,30 |
| AKEC26AV1PH0PF7 | | ARUMAK 2600 BP CTRL-DPH EEC V + COP | 14.138,00 |
| VERTICAL ePM1 70%+ ePM1 >80% / ePM1 70% (ex. F7 +F9/F7) CTRL-DPH | | | |
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| AKEC04AV1PH00F9 | | ARUMAK 430 BP CTRL-DPH EEC V | 5.939,80 |
| AKEC08AV1PH00F9 | | ARUMAK 800 BP CTRL-DPH EEC V | 6.836,40 |
| AKEC20AV1PH00F9 | | ARUMAK 2000 BP CTRL-DPH EEC V | 10.651,30 |
| AKEC26AV1PH00F9 | | ARUMAK 2600 BP CTRL-DPH EEC V | 13.910,90 |
| VERTICAL ePM1 70%+ ePM1 >80% / ePM1 70% (ex. F7 +F9/F7) CTRL-DPH BE electrical coil batería eléctrica | | | |
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| AKEC04AV1PHBE0F9 | | ARUMAK 430 BP CTRL-DPH BE 1ph EEC V | 6.532,60 |
| AKEC08AV1PHBE0F9 | | ARUMAK 800 BP CTRL-DPH BE 1ph EEC V | 7.553,10 |
| AKEC20AV1PHBE0F9 | | ARUMAK 2000 BP CTRL-DPH BE 1ph EEC V | 11.566,10 |
| AKEC26AV1PHBE0F9 | | ARUMAK 2600 BP CTRL-DPH BE 1ph EEC V | 15.276,50 |
| AKEC26AV1PHBET0F9 | | ARUMAK 2600 BP CTRL-DPH BE 3ph EEC V | 15.322,60 |
| VERTICAL ePM1 70%+ ePM1 >80% / ePM1 70% (ex. F7 +F9/F7) CTRL-DPH BE electrical coil batería eléctrica + constant pressure presión constante (COP) | | | |
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| AKEC04AV1PHBEPF9 | | ARUMAK 430 BP CTRL-DPH BE 1ph EEC V + COP | 7.101,80 |
| AKEC08AV1PHBEPF9 | | ARUMAK 800 BP CTRL-DPH BE 1ph EEC V + COP | 8.126,20 |
| AKEC20AV1PHBEPF9 | | ARUMAK 2000 BP CTRL-DPH BE 1ph EEC V + COP | 12.172,20 |
| AKEC26AV1PHBEPF9 | | ARUMAK 2600 BP CTRL-DPH BE 1ph EEC V + COP | 15.889,00 |
| AKEC26AV1PHBETPF9 | | ARUMAK 2600 BP CTRL-DPH BE 3ph EEC V + COP | 15.935,20 |
| VERTICAL ePM1 70%+ ePM1 >80% / ePM1 70% (ex. F7 +F9/F7) CTRL-DPH BE electrical coil batería eléctrica + constant flow caudal constante (CAV) | | | |
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| AKEC04AV1PHBEQF9 | | ARUMAK 430 BP CTRL-DPH BE 1ph EEC V + CAV | 7.147,50 |
| AKEC08AV1PHBEQF9 | | ARUMAK 800 BP CTRL-DPH BE 1ph EEC V + CAV | 8.171,90 |
| AKEC20AV1PHBEQF9 | | ARUMAK 2000 BP CTRL-DPH BE 1ph EEC V + CAV | 12.219,10 |
| AKEC26AV1PHBEQF9 | | ARUMAK 2600 BP CTRL-DPH BE 1ph EEC V + CAV | 15.937,20 |
| AKEC26AV1PHBETQF9 | | ARUMAK 2600 BP CTRL-DPH BE 3ph EEC V + CAV | 15.983,30 |
| VERTICAL ePM1 70%+ ePM1 >80% / ePM1 70% (ex. F7 +F9/F7) CTRL-DPH BA water coil batería de agua | | | |
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| AKEC04AV1PHBA0F9 | | ARUMAK 430 BP CTRL-DPH BA EEC V | 6.556,90 |
| AKEC08AV1PHBA0F9 | | ARUMAK 800 BP CTRL-DPH BA EEC V | 7.482,70 |
| AKEC20AV1PHBA0F9 | | ARUMAK 2000 BP CTRL-DPH BA EEC V | 11.406,90 |
| AKEC26AV1PHBA0F9 | | ARUMAK 2600 BP CTRL-DPH BA EEC V | 14.867,10 |
| VERTICAL ePM1 70%+ ePM1 >80% / ePM1 70% (ex. F7 +F9/F7) CTRL-DPH BA water coil batería de agua + constant pressure presión constante (COP) | | | |
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| AKEC04AV1PHBAPF9 | | ARUMAK 430 BP CTRL-DPH BA EEC V + COP | 7.126,10 |
| AKEC08AV1PHBAPF9 | | ARUMAK 800 BP CTRL-DPH BA EEC V + COP | 8.055,70 |
| AKEC20AV1PHBAPF9 | | ARUMAK 2000 BP CTRL-DPH BA EEC V + COP | 12.013,00 |
| AKEC26AV1PHBAPF9 | | ARUMAK 2600 BP CTRL-DPH BA EEC V + COP | 15.479,70 |
| VERTICAL ePM1 70%+ ePM1 >80% / ePM1 70% (ex. F7 +F9/F7) CTRL-DPH BA water coil batería de agua + constant flow caudal constante (CAV) | | | |
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| AKEC04AV1PHBAQF9 | | ARUMAK 430 BP CTRL-DPH BA EEC V + CAV | 7.171,90 |
| AKEC08AV1PHBAQF9 | | ARUMAK 800 BP CTRL-DPH BA EEC V + CAV | 8.101,50 |
| AKEC20AV1PHBAQF9 | | ARUMAK 2000 BP CTRL-DPH BA EEC V + CAV | 12.059,90 |
| AKEC26AV1PHBAQF9 | | ARUMAK 2600 BP CTRL-DPH BA EEC V + CAV | 15.527,60 |
| VERTICAL ePM1 70%+ ePM1 >80% / ePM1 70% (ex. F7 +F9/F7) CTRL-DPH + constant pressure presión constante (COP) | | | |
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| AKEC04AV1PH0PF9 | | ARUMAK 430 BP CTRL-DPH EEC V + COP | 6.537,60 |
| AKEC08AV1PH0PF9 | | ARUMAK 800 BP CTRL-DPH EEC V + COP | 7.437,80 |
| AKEC20AV1PH0PF9 | | ARUMAK 2000 BP CTRL-DPH EEC V + COP | 11.284,10 |
| AKEC26AV1PH0PF9 | | ARUMAK 2600 BP CTRL-DPH EEC V + COP | 14.549,90 |
| VERTICAL ePM1 70%+ ePM1 >80% / ePM1 70% (ex. F7 +F9/F7) CTRL-DPH + constant flow caudal constante (CAV) | | | |
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| AKEC04AV1PH0QF9 | | ARUMAK 430 BP CTRL-DPH EEC V + CAV | 6.581,20 |
| AKEC08AV1PH0QF9 | | ARUMAK 800 BP CTRL-DPH EEC V + CAV | 7.481,50 |
| AKEC20AV1PH0QF9 | | ARUMAK 2000 BP CTRL-DPH EEC V + CAV | 11.329,10 |
| AKEC26AV1PH0QF9 | | ARUMAK 2600 BP CTRL-DPH EEC V + CAV | 14.596,10 |

FILTERS | FILTROS ARUMAK EEC

| Replacement filters Supply / Extraction Filtros para recambio Impulsión / Extracción ePM1 70% (ex. F7) | | | | | | | |
|--|--|--------------------------|------------------------------------|---|-----------------|--|--|
| Code Código | Model Modelo | Dimensions Dimensiones | Application Aplicación | Filters for unit Filtros por unidad * | R.R.P P.V.P € | | |
| FLTEIAK04F7 | FILT. ePM1 70% ARUMAK 430/EEC 430 | 292 x 292 x 48 | ARUMAK 430 / ARUMAK EEC 430 | 1 | 62,90 | | |
| FLTEIAK08F7 | FILT. ePM1 70% ARUMAK 800 /EEC 800 | 430 x 350 x 48 | ARUMAK 800 / ARUMAK EEC 800 | 1 | 97,50 | | |
| FLTEIAK20F7 | FILT. ePM1 70% ARUMAK 2100/EEC 2000 | 490 x 390 x 48 | ARUMAK 2100 / ARUMAK EEC 2000 | 2 | 106,10 | | |
| FLTEIAK26F7 | FILT. ePM1 70% ARUMAK 2600-3700/EEC 2600 | 500 x 625 x 48 | ARUMAK 2600-3700 / ARUMAK EEC 2600 | 2 | 189,90 | | |
| Replacement filters for supply Filtros para recambio para impulsión ePM1 >80% (ex. F9) | | | | | | | |
| Code Código | Model Modelo | Dimensions Dimensiones | Application Aplicación | Filters for unit Filtros por unidad * | R.R.P P.V.P € | | |
| FLTIK04F9 | FILT. ePM1 >80% ARUMAK 430 /EEC 430 | 292 x 292 x 48 | ARUMAK 430 / ARUMAK EEC 400 | 1 | 103,60 | | |
| FLTIK08F9 | FILT. ePM1 >80% ARUMAK 800 /EEC 800 | 430 x 350 x 48 | ARUMAK 800 / ARUMAK EEC 800 | 1 | 136,90 | | |
| FLTIK20F9 | FILT. ePM1 >80% ARUMAK 2100/EEC 2000 | 490 x 390 x 48 | ARUMAK 2100 / ARUMAK EEC 2000 | 2 | 162,90 | | |
| FLTIK26F9 | FILT. ePM1 >80% ARUMAK 2600-3700 /EEC 2600 | 500 x 625 x 48 | ARUMAK 2600-3700 / ARUMAK EEC 2600 | 2 | 235,60 | | |

* When placing an order, please take into account that the filters RRP is unitary and must be multiplied by the indicated quantities for each unit of exchanger

* Al hacer el pedido debe tener en cuenta que el PVP de los filtros es unitario y debe multiplicarse por las cantidades indicadas para cada unidad de recuperador.

ROOF COWL | TEJADILLO ARUMAK LP EEC

| Weather protective roof for Tejadillo para lluvia para ARUMAK y ARUMAK EEC horizontal | | | | |
|---|-----------------------------------|---------------------------------|-------------------|--|
| Code Código | Model Modelo | Application Aplicación | R.R.P € P.V.P € | |
| TEJAK04H | TEJ ARUMAK 500-950 /EEC 430/800 H | ARUMAK / ARUMAK EEC 430/800 H | 171,50 | |
| TEJAK20H | TEJ ARUMAK 2500/EEC 2000 H | ARUMAK / ARUMAK EEC 2000/2100 H | 225,70 | |
| TEJAK26H | TEJ ARUMAK 2000-4500 /EEC 2600 H | ARUMAK / ARUMAK EEC 2600/3700 H | 289,90 | |
| Weather protective roof for Tejadillo para lluvia para ARUMAK y ARUMAK EEC vertical | | | | |
| Code Código | Model Modelo | Application Aplicación | R.R.P € P.V.P € | |
| TEJAK04V | TEJ ARUMAK 500 /EEC 430 V | ARUMAK / ARUMAK EEC 430 V | 145,60 | |
| TEJAK08V | TEJ ARUMAK 950 /EEC 800 V | ARUMAK / ARUMAK EEC 800 V | 154,20 | |
| TEJAK20V | TEJ ARUMAK 2500 /EEC 2000 V | ARUMAK / ARUMAK EEC 2000/2100 V | 213,40 | |
| TEJAK26V | TEJ ARUMAK 2000-4500/EEC 2600 V | ARUMAK / ARUMAK EEC 2600/3700 V | 278,80 | |

> EXTRACTOR REVERSIBLE DE
GRAN CAUDAL Y SILENCIOSO
PARA VENTANA O PARED <

> REVERSIBLE EXTRACTOR OF
GREAT FLOW AND SILENT
FOR WINDOW OR WALL <



> KUBALIK

> 150/ 230/ 300



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> ERELIS <

> 100/120/150

> EXTRACTOR **ULTRA SILENCIOSO**
Y **DELGADO** CON COMPUERTA
ANTIRRETORNO <

> **ULTRA QUIET AND SLIM** EXTRACTOR
WITH BACKDRAUGHT DAMPER <



> TEKSTÜR <

> 100/120



> EXTRACTOR DE ALTA GAMA CON
TEMPORIZADOR Y COMPUERTA
ANTIRRETORNO <

> HIGH-END EXTRACTOR WITH
BACKDRAUGHT DAMPER <

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DOMEX EEC

High efficiency counter flow heat exchanger with EC motor

Recuperador de contraflujo de alta eficiencia con motor EC



DOMEX EEC
se suministra con bocas circulares.

92%



| MANUFACTURING FEATURES

High efficiency heat recovery unit (Eff.92%) with electronic regulation, EC motor and modbus connection for an optimized and centralized management. Counter flow heat exchanger, Eurovent certified. Assembled in insulated steel casing with sandwich self-extinguishing polystyrene foam panels. With total bypass and CTRL-MAX regulation control (see options in control chart), with COP, CAV, VAV and RTU modbus. Configuration options: without heating, with electric or water battery (cold or hot). With ISO ePM1 70% / ISO ePM1 70% (F7/F7) or ISO ePM1 70% + ISO ePM1 >80% / ISO ePM1 70% (F7+F9/F7) filters. Vertical and horizontal installation versions.

CHASSIS:

- Modular structure, in 30mm extruded aluminum profile and with reinforced nylon corners.
- Sandwich panels insulated with self-extinguishing polystyrenes, thickness 25 mm and density 30 kg/m³.

HEAT EXCHANGER:

- Aluminium counter flow heat exchanger with 92% efficiency.
- Recuperator brand certified by Eurovent.

FANS:

- Two EC PLUG FAN. According to ErP 2018.

FILTERS:

- ISO ePM1 70% / ISO ePM1 70% (F7/F7) or ISO ePM1 70% + ISO ePM1 >80% / ISO ePM1 70% (F9+F7/F9) filters.

COILS:

- In the horizontal configuration, the heating module is coupled to the unit in supply sense, while in the vertical version this module is external and separated from the unit.

CONTROL:

- CTRL-MAX: automatic control of bypass, manual or automatic speed control by choosing constant flow rate (CAV), variable flow rate (VAV) and constant pressure (COP). It is necessary to install kit COP, CAV or CO₂ probe for VAV. Equipped with remote display. It allows post-heating temperature regulation of the electric or water coils, failure detection, time scheduling, etc.

CAV- CONSTANT FLOW

COP- CONSTANT PRESSURE

VAV - VARIABLE FLOW (CO₂ sensor).

| APPLICATIONS

- Malls, small shops, banks, hostelry, schools, office buildings, public buildings.

| UNDER REQUEST

- Kit COP+CAV, VAV.
- ISO ePM1 >80% / ISO ePM1 70% (F7/F9) filters.

CONFIGURATIONS

Vertical and horizontal configurations with and without coils. Consult other special configurations.

Vertical DOMEX EEC only available with electrical coil; it is not possible to install a water coil. Both coils can only be installed in CV and EV configurations.

| CARACTERÍSTICAS CONSTRUCTIVAS

Unidad de recuperación de calor de alta eficiencia (Eff. 92%) con regulación electrónica, motor EC y conexión modbus para una gestión optimizada y centralizada. Con intercambiador de contraflujo certificado Eurovent, montados en cajas de acero aislados con paneles de doble pared de espuma de poliestireno autoextinguible. Con bypass total y control de regulación CTRL-MAX (ver opciones en cuadro de controles), con modos COP, CAV, VAV y modbus RTU. Diversas opciones de configuración: sin calefacción, con batería eléctrica o de agua (fría o caliente). Con filtros ISO ePM1 70% / ISO ePM1 70% (F7/F7) o ISO ePM1 70% + ISO ePM1 >80% / ISO ePM1 70% (F7+F9/F7). Versiones para instalación vertical, horizontal y exterior.

CHASIS:

- Estructura modular, en perfil de aluminio extruido de 30mm y cantoneras de nailon reforzado.
- Paneles de doble pared aislada por placas de pliestireno auto-extinguible de 25mm de espesor y una densidad de 30 Kg/m³.

INTERCAMBIADOR DE CALOR:

- Intercambiador de calor de contraflujo de aluminio con eficiencia 92%.
- Marca Recuperator certificado por Eurovent.

VENTILADORES:

- Dos ventiladores EC tipo PLUG FAN. ErP 2018.

FILTROS:

- ISO ePM1 70% / ISO ePM1 70% (F7/F7) o ISO ePM1 70% + ISO ePM1 >80% / ISO ePM1 70% (F9+F7/F9).

BATERÍAS:

- En la configuración horizontal, el módulo para la calefacción está acoplado en la unidad en el sentido de la aportación, mientras que en la versión vertical este módulo es externo y separado de la unidad.

CONTROL:

- CTRL-MAX: control automático del bypass, control manual o automático de la velocidad eligiendo caudal constante (CAV), caudal variable (VAV) y presión constante (COP). Es necesario instalar kit COP, CAV o sonda CO₂ para VAV. Dotado de display remoto. Permite regulación de temperatura de post-calentamiento de las baterías eléctrica o de agua, detección de fallos, programación horaria, etc.

CAV- CAUDAL CONSTANTE

COP- PRESIÓN CONSTANTE

VAV - CAUDAL VARIABLE (sonda CO₂)

| APLICACIONES

- Centros comerciales, pequeñas tiendas, bancos, hostelería, escuelas, edificios de oficinas, edificios públicos.

| BAJO DEMANDA

- Kit COP+CAV, VAV.
- Filtros ISO ePM1 >80% / ISO ePM1 70% (F7/F9).

CONFIGURACIONES

Configuraciones en vertical y horizontal con y sin baterías. Consultar otras configuraciones especiales.

DOMEX EEC en vertical sólo disponible con batería eléctrica; no es posible instalar batería de agua. Sólo las configuraciones CV y EV permiten ambas baterías.

ACCESSORIES | ACCESORIOS



REGD-1 pg.431
Speed controller.
Regulador de velocidad.



SCO2 pg.435
CO₂, HR and temperature probe.
Sonda de CO₂, HR, y temperatura.



DCO2 pg.435
CO₂, HR and temperature probe for duct.
Sonda de CO₂, HR, y temperatura para conducto.



FILTERS pg.404
Filters.
Filtros.



TEJ pg.421
Weather protective roof for ventilation boxes.
Tejadillo intemperie para cajas de ventilación.

REFERENCES INTERPRETATION | INTERPRETACIÓN DE LAS REFERENCIAS

| DOM10AV1ARBAPF9 | DOMEX EEC | 1000 | CTRL-MAX | F7+F9/F7 | BA | EEC | V | COP |
|-----------------|-----------------------------|----------------|----------|-----------------------|----------------|-------------------------------|-------------------------------|---|
| Code Código | Denomination Denominación | Model Modelo | Control | Filter Filtro | Coil Bateria | Type EC motor Tipo motor EC | Configuration Configuración | Modo |
| | | | | · F7/F7 · F7+F9/F7 | · BE · BA | | · Horizontal · Vertical | · Presión constante (COP) · Caudal constante (CAV) |

TECHNICAL DATA | DATOS TÉCNICOS

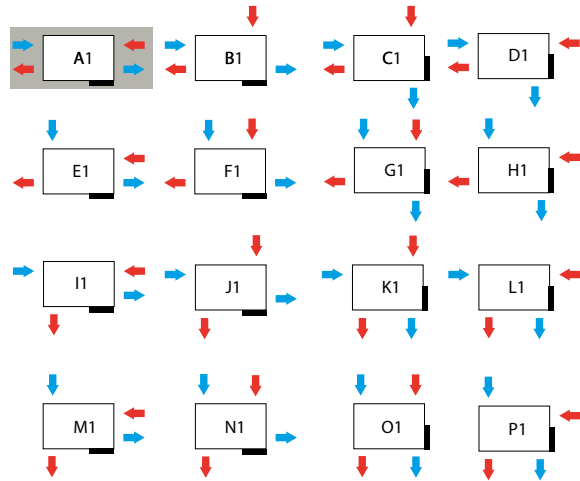
| HEAT RECOVERY UNIT UNIDAD DE RECUPERACIÓN | | | | | | | | |
|---|--------------------------------|-------------|-------------------------------------|---------------------------|------------------------|----------------------------------|------------------|--|
| Model Modelo | Rated I (A) I. nom. (A) 230V | Pot. nom kW | Air flow Caudal m ³ /h | Efficiency Eficiencia % | Water coil Bat. agua | Electrical coil Bat. eléctrica | Weight Peso Kg | |
| DOMEX 1000 EEC | 2x1,4 | 2x0,17 | 973 | 93,5 | BA DOMEX 1 | BE 3ph DOMEX 1 | 105 | |
| DOMEX 1600 EEC | 2x2,2 | 2x0,5 | 1.656 | 92,4 | BA DOMEX 2 | BE 3ph DOMEX 2 | 140 | |
| DOMEX 2300 EEC | 2x2,2 | 2x0,5 | 2.299 | 92,6 | BA DOMEX 3 | BE 3ph DOMEX 3 | 185 | |
| DOMEX 3900 EEC | 2x6,7 | 2x1,35 | 3.944 | 93,2 | BA DOMEX 4 | BE 3ph DOMEX 4 | 200 | |
| DOMEX 5400 EEC | 2X6,0 | 2x1,4 | 5.365 | 93 | BA DOMEX 5 | BE 3ph DOMEX 5 | 350 | |

| WATER COIL BATERÍA DE AGUA | | | | | | | |
|------------------------------|-----------------|-----------------|---------------------------------|---------------|---------------|---------------|--|
| Model Modelo | Power Pot. kW | Ø Tubes Tubos | Water flow Caudal de agua l/s | Material | | | |
| | | | | Tubes Tubos | Fins Aletas | Frame Marco | |
| BA DOMEX 1 | 8,66 | 1/2" | 0,11 | Cu | Al | Fe Zn | |
| BA DOMEX 2 | 16,81 | 1/2" | 0,21 | Cu | Al | Fe Zn | |
| BA DOMEX 3 | 20,4 | 1/2" | 0,25 | Cu | Al | Fe Zn | |
| BA DOMEX 4 | 34,07 | 1/2" | 0,42 | Cu | Al | Fe Zn | |
| BA DOMEX 5 | 46,62 | 3/4" | 0,57 | Cu | Al | Fe Zn | |




| ELECTRICAL COIL BATERÍA ELÉCTRICA | | | | |
|-------------------------------------|-----------------|-------------------|-----------------|--|
| Model Modelo | Power Pot. kW | Voltage Voltaje | Stages Etapas | |
| BE 3ph DOMEX 1 | 6 | 400V | 2 | |
| BE 3ph DOMEX 2 | 12 | 400V | 2 | |
| BE 3ph DOMEX 3 | 12 | 400V | 2 | |
| BE 3ph DOMEX 4 | 18 | 400V | 2 | |
| BE 3ph DOMEX 5 | 27 | 400V | 3 | |

CONFIGURATIONS DOMEX EEC | CONFIGURACIONES DOMEX EEC HORIZONTAL

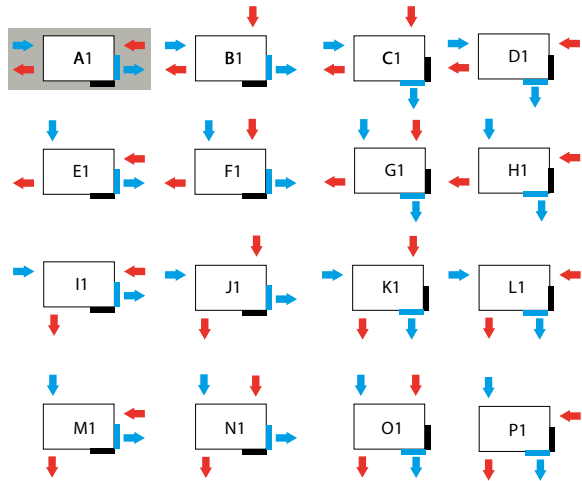
DOMEX EEC HORIZONTAL



Standard configuration: A1 | Configuración estándar: A1

Electrical box | cuadro eléctrico  FRESH AIR | AIRE NUEVO 
EXHAUSTED AIR | AIRE EXTRAÍDO 

DOMEX EEC BA/BE HORIZONTAL

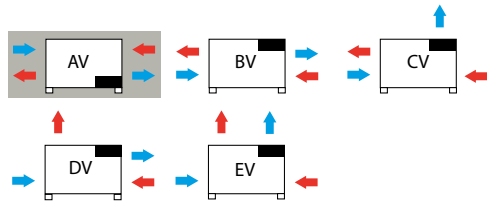


Standard configuration: A1 | Configuración estándar: A1



Electrical box | cuadro eléctrico  FRESH AIR | AIRE NUEVO 
Coil | batería BA/BE  EXHAUSTED AIR | AIRE EXTRAÍDO 

CONFIGURATIONS DOMEX EEC | CONFIGURACIONES DOMEX EEC VERTICAL

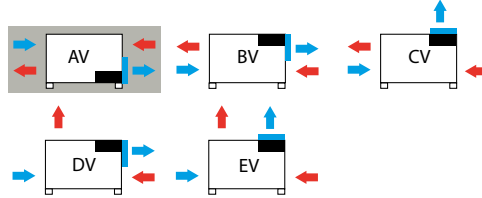
DOMEX EEC VERTICAL






Standard configuration: AV | Configuración estándar: AV

Electrical box | cuadro eléctrico  FRESH AIR | AIRE NUEVO 
EXHAUSTED AIR | AIRE EXTRAÍDO 

DOMEX EEC BA/BE VERTICAL



Standard configuration: AV | Configuración estándar: AV

Electrical box | cuadro eléctrico  FRESH AIR | AIRE NUEVO 
Coil | batería BA/BE  EXHAUSTED AIR | AIRE EXTRAÍDO 

DOMEX EEC HORIZONTAL

| HORIZONTAL ePM1 70% / ePM1 70% (ex. F7/F7) CTRL-MAX | | |
|--|------------------------------------|---------------------|
| Code Código | Model Modelo | R.R.P. € P.V.P. € |
| DOM10AH1MX00F7 | DOMEX 1000 CTRL-MAX EEC H | 7.681,20 |
| DOM16AH1MX00F7 | DOMEX 1600 CTRL-MAX EEC H | 10.087,80 |
| DOM23AH1MX00F7 | DOMEX 2300 CTRL-MAX EEC H | 11.357,40 |
| DOM39AH1MX00F7 | DOMEX 3900 CTRL-MAX EEC H | 14.760,70 |
| DOM54AH1MX00F7 | DOMEX 5400 CTRL-MAX EEC H | 18.220,90 |
| HORIZONTAL ePM1 70% / ePM1 70% (ex. F7/F7) CTRL-MAX BE electrical coil batería eléctrica | | |
| Code Código | Model Modelo | R.R.P. € P.V.P. € |
| DOM10AH1MXBE0F7 | DOMEX 1000 BE CTRL-MAX EEC H | 9.481,50 |
| DOM16AH1MXBE0F7 | DOMEX 1600 BE CTRL-MAX EEC H | 12.187,40 |
| DOM23AH1MXBE0F7 | DOMEX 2300 BE CTRL-MAX EEC H | 13.476,00 |
| DOM39AH1MXBE0F7 | DOMEX 3900 BE CTRL-MAX EEC H | 17.167,30 |
| DOM54AH1MXBE0F7 | DOMEX 5400 BE CTRL-MAX EEC H | 20.635,10 |
| HORIZONTAL ePM1 70% / ePM1 70% (ex. F7/F7) CTRL-MAX BE electrical coil batería eléctrica + constant pressure presión constante (COP) | | |
| Code Código | Model Modelo | R.R.P. € P.V.P. € |
| DOM10AH1MXBEPF7 | DOMEX 1000 BE CTRL-MAX EEC H + COP | 9.754,30 |
| DOM16AH1MXBEPF7 | DOMEX 1600 BE CTRL-MAX EEC H + COP | 12.460,30 |
| DOM23AH1MXBEPF7 | DOMEX 2300 BE CTRL-MAX EEC H + COP | 13.748,80 |
| DOM39AH1MXBEPF7 | DOMEX 3900 BE CTRL-MAX EEC H + COP | 17.440,20 |
| DOM54AH1MXBEPF7 | DOMEX 5400 BE CTRL-MAX EEC H + COP | 20.907,80 |
| HORIZONTAL ePM1 70% / ePM1 70% (ex. F7/F7) CTRL-MAX BE electrical coil batería eléctrica + constant flow caudal constante (CAV) | | |
| Code Código | Model Modelo | R.R.P. € P.V.P. € |
| DOM10AH1MXBEQF7 | DOMEX 1000 BE CTRL-MAX EEC H + CAV | 9.754,30 |
| DOM16AH1MXBEQF7 | DOMEX 1600 BE CTRL-MAX EEC H + CAV | 12.460,30 |
| DOM23AH1MXBEQF7 | DOMEX 2300 BE CTRL-MAX EEC H + CAV | 13.748,80 |
| DOM39AH1MXBEQF7 | DOMEX 3900 BE CTRL-MAX EEC H + CAV | 17.440,20 |
| DOM54AH1MXBEQF7 | DOMEX 5400 BE CTRL-MAX EEC H + CAV | 20.907,80 |
| HORIZONTAL ePM1 70% / ePM1 70% (ex. F7/F7) CTRL-MAX BA water coil batería de agua | | |
| Code Código | Model Modelo | R.R.P. € P.V.P. € |
| DOM10AH1MXBA0F7 | DOMEX 1000 BA CTRL-MAX EEC H | 8.749,90 |
| DOM16AH1MXBA0F7 | DOMEX 1600 BA CTRL-MAX EEC H | 11.099,70 |
| DOM23AH1MXBA0F7 | DOMEX 2300 BA CTRL-MAX EEC H | 12.358,00 |
| DOM39AH1MXBA0F7 | DOMEX 3900 BA CTRL-MAX EEC H | 15.799,10 |
| DOM54AH1MXBA0F7 | DOMEX 5400 BA CTRL-MAX EEC H | 19.183,50 |
| HORIZONTAL ePM1 70% / ePM1 70% (ex. F7/F7) CTRL-MAX BA water coil batería de agua + constant pressure presión constante (COP) | | |
| Code Código | Model Modelo | R.R.P. € P.V.P. € |
| DOM10AH1MXBAPF7 | DOMEX 1000 BA CTRL-MAX EEC H + COP | 9.022,90 |
| DOM16AH1MXBAPF7 | DOMEX 1600 BA CTRL-MAX EEC H + COP | 11.372,70 |
| DOM23AH1MXBAPF7 | DOMEX 2300 BA CTRL-MAX EEC H + COP | 12.630,80 |
| DOM39AH1MXBAPF7 | DOMEX 3900 BA CTRL-MAX EEC H + COP | 16.072,00 |
| DOM54AH1MXBAPF7 | DOMEX 5400 BA CTRL-MAX EEC H + COP | 19.456,40 |
| HORIZONTAL ePM1 70% / ePM1 70% (ex. F7/F7) CTRL-MAX BA water coil batería de agua + constant flow caudal constante (CAV) | | |
| Code Código | Model Modelo | R.R.P. € P.V.P. € |
| DOM10AH1MXBAQF7 | DOMEX 1000 BA CTRL-MAX EEC H + CAV | 9.022,90 |
| DOM16AH1MXBAQF7 | DOMEX 1600 BA CTRL-MAX EEC H + CAV | 11.372,70 |
| DOM23AH1MXBAQF7 | DOMEX 2300 BA CTRL-MAX EEC H + CAV | 12.630,80 |
| DOM39AH1MXBAQF7 | DOMEX 3900 BA CTRL-MAX EEC H + CAV | 16.072,00 |
| DOM54AH1MXBAQF7 | DOMEX 5400 BA CTRL-MAX EEC H + CAV | 19.456,40 |
| HORIZONTAL ePM1 70% / ePM1 70% (ex. F7/F7) CTRL-MAX + constant pressure presión constante (COP) | | |
| Code Código | Model Modelo | R.R.P. € P.V.P. € |
| DOM10AH1MX0PF7 | DOMEX 1000 CTRL-MAX EEC H + COP | 7.954,10 |
| DOM16AH1MX0PF7 | DOMEX 1600 CTRL-MAX EEC H + COP | 10.360,70 |
| DOM23AH1MX0PF7 | DOMEX 2300 CTRL-MAX EEC H + COP | 11.630,40 |
| DOM39AH1MX0PF7 | DOMEX 3900 CTRL-MAX EEC H + COP | 15.033,60 |
| DOM54AH1MX0PF7 | DOMEX 5400 CTRL-MAX EEC H + COP | 18.493,80 |
| HORIZONTAL ePM1 70% / ePM1 70% (ex. F7/F7) CTRL-MAX + constant flow caudal constante (CAV) | | |
| Code Código | Model Modelo | R.R.P. € P.V.P. € |
| DOM10AH1MX0QF7 | DOMEX 1000 CTRL-MAX EEC H + CAV | 7.954,10 |
| DOM16AH1MX0QF7 | DOMEX 1600 CTRL-MAX EEC H + CAV | 10.360,70 |
| DOM23AH1MX0QF7 | DOMEX 2300 CTRL-MAX EEC H + CAV | 11.630,40 |
| DOM39AH1MX0QF7 | DOMEX 3900 CTRL-MAX EEC H + CAV | 15.033,60 |
| DOM54AH1MX0QF7 | DOMEX 5400 CTRL-MAX EEC H + CAV | 18.493,80 |
| HORIZONTAL ePM1 70%+ ePM1 >80% / ePM1 70% (ex. F7+F9/F7) CTRL-MAX | | |
| Code Código | Model Modelo | R.R.P. € P.V.P. € |
| DOM10AH1MX00F9 | DOMEX 1000 CTRL-MAX EEC H | 7.878,40 |
| DOM16AH1MX00F9 | DOMEX 1600 CTRL-MAX EEC H | 10.285,00 |
| DOM23AH1MX00F9 | DOMEX 2300 CTRL-MAX EEC H | 11.599,90 |
| DOM39AH1MX00F9 | DOMEX 3900 CTRL-MAX EEC H | 15.067,80 |
| DOM54AH1MX00F9 | DOMEX 5400 CTRL-MAX EEC H | 18.634,00 |

| HORIZONTAL ePM1 70%+ ePM1>80% / ePM1 70% (ex. F7+F9/F7) CTRL-MAX BE electrical coil batería eléctrica | | | |
|---|--------|------------------------------------|---------------------|
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| DOM10AH1MXBE0F9 | | DOMEX 1000 BE CTRL-MAX EEC H | 9.678,50 |
| DOM16AH1MXBE0F9 | | DOMEX 1600 BE CTRL-MAX EEC H | 12.384,50 |
| DOM23AH1MXBE0F9 | | DOMEX 2300 BE CTRL-MAX EEC H | 13.718,50 |
| DOM39AH1MXBE0F9 | | DOMEX 3900 BE CTRL-MAX EEC H | 17.474,20 |
| DOM54AH1MXBE0F9 | | DOMEX 5400 BE CTRL-MAX EEC H | 21.048,20 |
| HORIZONTAL ePM1 70%+ ePM1>80% / ePM1 70% (ex. F7+F9/F7) CTRL-MAX BE electrical coil batería eléctrica + constant pressure presión constante (COP) | | | |
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| DOM10AH1MXBEPF9 | | DOMEX 1000 BE CTRL-MAX EEC H + COP | 9.951,40 |
| DOM16AH1MXBEPF9 | | DOMEX 1600 BE CTRL-MAX EEC H + COP | 12.657,40 |
| DOM23AH1MXBEPF9 | | DOMEX 2300 BE CTRL-MAX EEC H + COP | 13.991,50 |
| DOM39AH1MXBEPF9 | | DOMEX 3900 BE CTRL-MAX EEC H + COP | 17.747,20 |
| DOM54AH1MXBEPF9 | | DOMEX 5400 BE CTRL-MAX EEC H + COP | 21.321,00 |
| HORIZONTAL ePM1 70%+ ePM1>80% / ePM1 70% (ex. F7+F9/F7) CTRL-MAX BE electrical coil batería eléctrica + constant flow caudal constante (CAV) | | | |
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| DOM10AH1MXBEQF9 | | DOMEX 1000 BE CTRL-MAX EEC H + CAV | 9.951,40 |
| DOM16AH1MXBEQF9 | | DOMEX 1600 BE CTRL-MAX EEC H + CAV | 12.657,40 |
| DOM23AH1MXBEQF9 | | DOMEX 2300 BE CTRL-MAX EEC H + CAV | 13.991,50 |
| DOM39AH1MXBEQF9 | | DOMEX 3900 BE CTRL-MAX EEC H + CAV | 17.747,20 |
| DOM54AH1MXBEQF9 | | DOMEX 5400 BE CTRL-MAX EEC H + CAV | 21.321,00 |
| HORIZONTAL ePM1 70%+ ePM1>80% / ePM1 70% (ex. F7+F9/F7) CTRL-MAX BA water coil batería de agua | | | |
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| DOM10AH1MXBA0F9 | | DOMEX 1000 BA CTRL-MAX EEC H | 8.947,00 |
| DOM16AH1MXBA0F9 | | DOMEX 1600 BA CTRL-MAX EEC H | 11.296,80 |
| DOM23AH1MXBA0F9 | | DOMEX 2300 BA CTRL-MAX EEC H | 12.600,50 |
| DOM39AH1MXBA0F9 | | DOMEX 3900 BA CTRL-MAX EEC H | 16.106,10 |
| DOM54AH1MXBA0F9 | | DOMEX 5400 BA CTRL-MAX EEC H | 19.596,70 |
| HORIZONTAL ePM1 70%+ ePM1>80% / ePM1 70% (ex. F7+F9/F7) CTRL-MAX BA water coil batería de agua + constant pressure presión constante (COP) | | | |
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| DOM10AH1MXBAPF9 | | DOMEX 1000 BA CTRL-MAX EEC H + COP | 9.220,00 |
| DOM16AH1MXBAPF9 | | DOMEX 1600 BA CTRL-MAX EEC H + COP | 11.569,70 |
| DOM23AH1MXBAPF9 | | DOMEX 2300 BA CTRL-MAX EEC H + COP | 12.873,40 |
| DOM39AH1MXBAPF9 | | DOMEX 3900 BA CTRL-MAX EEC H + COP | 16.379,00 |
| DOM54AH1MXBAPF9 | | DOMEX 5400 BA CTRL-MAX EEC H + COP | 19.869,50 |
| HORIZONTAL ePM1 70%+ ePM1>80% / ePM1 70% (ex. F7+F9/F7) CTRL-MAX BA water coil batería de agua + constant flow caudal constante (CAV) | | | |
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| DOM10AH1MXBAQF9 | | DOMEX 1000 BA CTRL-MAX EEC H + CAV | 9.220,00 |
| DOM16AH1MXBAQF9 | | DOMEX 1600 BA CTRL-MAX EEC H + CAV | 11.569,70 |
| DOM23AH1MXBAQF9 | | DOMEX 2300 BA CTRL-MAX EEC H + CAV | 12.873,40 |
| DOM39AH1MXBAQF9 | | DOMEX 3900 BA CTRL-MAX EEC H + CAV | 16.379,00 |
| DOM54AH1MXBAQF9 | | DOMEX 5400 BA CTRL-MAX EEC H + CAV | 19.869,50 |
| HORIZONTAL ePM1 70%+ ePM1>80% / ePM1 70% (ex. F7+F9/F7) CTRL-MAX + constant pressure presión constante (COP) | | | |
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| DOM10AH1MX0PF9 | | DOMEX 1000 CTRL-MAX EEC H + COP | 8.151,20 |
| DOM16AH1MX0PF9 | | DOMEX 1600 CTRL-MAX EEC H + COP | 10.557,80 |
| DOM23AH1MX0PF9 | | DOMEX 2300 CTRL-MAX EEC H + COP | 11.872,90 |
| DOM39AH1MX0PF9 | | DOMEX 3900 CTRL-MAX EEC H + COP | 15.340,60 |
| DOM54AH1MX0PF9 | | DOMEX 5400 CTRL-MAX EEC H + COP | 18.906,90 |
| HORIZONTAL ePM1 70%+ ePM1>80% / ePM1 70% (ex. F7+F9/F7) CTRL-MAX + constant flow caudal constante (CAV) | | | |
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| DOM10AH1MX0QF9 | | DOMEX 1000 CTRL-MAX EEC H + CAV | 8.151,20 |
| DOM16AH1MX0QF9 | | DOMEX 1600 CTRL-MAX EEC H + CAV | 10.557,80 |
| DOM23AH1MX0QF9 | | DOMEX 2300 CTRL-MAX EEC H + CAV | 11.872,90 |
| DOM39AH1MX0QF9 | | DOMEX 3900 CTRL-MAX EEC H + CAV | 15.340,60 |
| DOM54AH1MX0QF9 | | DOMEX 5400 CTRL-MAX EEC H + CAV | 18.906,90 |

DOMEX EEC VERTICAL

| VERTICAL ePM1 70% / ePM1 70% (ex. F7/F7) CTRL-MAX | | | |
|--|------------------------------------|---------|-----------|
| Code Código | Model Modelo | R.R.P € | P.V.P € |
| DOM10AV1MX00F7 | DOMEX 1000 CTRL-MAX EEC V | | 7.829,10 |
| DOM16AV1MX00F7 | DOMEX 1600 CTRL-MAX EEC V | | 10.231,80 |
| DOM23AV1MX00F7 | DOMEX 2300 CTRL-MAX EEC V | | 11.490,00 |
| DOM39AV1MX00F7 | DOMEX 3900 CTRL-MAX EEC V | | 14.840,40 |
| DOM54AV1MX00F7 | DOMEX 5400 CTRL-MAX EEC V | | 18.274,00 |
| VERTICAL ePM1 70% / ePM1 70% (ex. F7/F7) CTRL-MAX BE electrical coil batería eléctrica | | | |
| Code Código | Model Modelo | R.R.P € | P.V.P € |
| DOM10AV1MXBE0F7 | DOMEX 1000 BE CTRL-MAX EEC V | | 9.629,30 |
| DOM16AV1MXBE0F7 | DOMEX 1600 BE CTRL-MAX EEC V | | 12.331,50 |
| DOM23AV1MXBE0F7 | DOMEX 2300 BE CTRL-MAX EEC V | | 13.612,40 |
| DOM39AV1MXBE0F7 | DOMEX 3900 BE CTRL-MAX EEC V | | 17.247,00 |
| DOM54AV1MXBE0F7 | DOMEX 5400 BE CTRL-MAX EEC V | | 20.688,10 |
| VERTICAL ePM1 70% / ePM1 70% (ex. F7/F7) CTRL-MAX BE electrical coil batería eléctrica + constant pressure presión constante (COP) | | | |
| Code Código | Model Modelo | R.R.P € | P.V.P € |
| DOM10AV1MXBEPF7 | DOMEX 1000 BE CTRL-MAX EEC V + COP | | 9.902,10 |
| DOM16AV1MXBEPF7 | DOMEX 1600 BE CTRL-MAX EEC V + COP | | 12.604,30 |
| DOM23AV1MXBEPF7 | DOMEX 2300 BE CTRL-MAX EEC V + COP | | 13.885,40 |
| DOM39AV1MXBEPF7 | DOMEX 3900 BE CTRL-MAX EEC V + COP | | 17.519,70 |
| DOM54AV1MXBEPF7 | DOMEX 5400 BE CTRL-MAX EEC V + COP | | 20.960,90 |
| VERTICAL ePM1 70% / ePM1 70% (ex. F7/F7) CTRL-MAX BE electrical coil batería eléctrica + constant flow caudal constante (CAV) | | | |
| Code Código | Model Modelo | R.R.P € | P.V.P € |
| DOM10AV1MXBEQF7 | DOMEX 1000 BE CTRL-MAX EEC V + CAV | | 9.902,10 |
| DOM16AV1MXBEQF7 | DOMEX 1600 BE CTRL-MAX EEC V + CAV | | 12.604,30 |
| DOM23AV1MXBEQF7 | DOMEX 2300 BE CTRL-MAX EEC V + CAV | | 13.885,40 |
| DOM39AV1MXBEQF7 | DOMEX 3900 BE CTRL-MAX EEC V + CAV | | 17.519,70 |
| DOM54AV1MXBEQF7 | DOMEX 5400 BE CTRL-MAX EEC V + CAV | | 20.960,90 |
| VERTICAL ePM1 70% / ePM1 70% (ex. F7/F7) CTRL-MAX BA water coil batería de agua | | | |
| Code Código | Model Modelo | R.R.P € | P.V.P € |
| DOM10AV1MXBA0F7 | DOMEX 1000 BA CTRL-MAX EEC V | | 8.901,50 |
| DOM16AV1MXBA0F7 | DOMEX 1600 BA CTRL-MAX EEC V | | 11.395,30 |
| DOM23AV1MXBA0F7 | DOMEX 2300 BA CTRL-MAX EEC V | | 12.672,50 |
| DOM39AV1MXBA0F7 | DOMEX 3900 BA CTRL-MAX EEC V | | 16.121,30 |
| DOM54AV1MXBA0F7 | DOMEX 5400 BA CTRL-MAX EEC V | | 19.600,50 |
| VERTICAL ePM1 70% / ePM1 70% (ex. F7/F7) CTRL-MAX BA water coil batería de agua + constant pressure presión constante (COP) | | | |
| Code Código | Model Modelo | R.R.P € | P.V.P € |
| DOM10AV1MXBAPF7 | DOMEX 1000 BA CTRL-MAX EEC V + COP | | 9.174,50 |
| DOM16AV1MXBAPF7 | DOMEX 1600 BA CTRL-MAX EEC V + COP | | 11.668,30 |
| DOM23AV1MXBAPF7 | DOMEX 2300 BA CTRL-MAX EEC V + COP | | 12.945,40 |
| DOM39AV1MXBAPF7 | DOMEX 3900 BA CTRL-MAX EEC V + COP | | 16.394,30 |
| DOM54AV1MXBAPF7 | DOMEX 5400 BA CTRL-MAX EEC V + COP | | 19.873,20 |
| VERTICAL ePM1 70% / ePM1 70% (ex. F7/F7) CTRL-MAX BA water coil batería de agua + constant flow caudal constante (CAV) | | | |
| Code Código | Model Modelo | R.R.P € | P.V.P € |
| DOM10AV1MXBAQF7 | DOMEX 1000 BA CTRL-MAX EEC V + CAV | | 9.174,50 |
| DOM16AV1MXBAQF7 | DOMEX 1600 BA CTRL-MAX EEC V + CAV | | 11.668,30 |
| DOM23AV1MXBAQF7 | DOMEX 2300 BA CTRL-MAX EEC V + CAV | | 12.945,40 |
| DOM39AV1MXBAQF7 | DOMEX 3900 BA CTRL-MAX EEC V + CAV | | 16.394,30 |
| DOM54AV1MXBAQF7 | DOMEX 5400 BA CTRL-MAX EEC V + CAV | | 19.873,20 |
| VERTICAL ePM1 70% / ePM1 70% (ex. F7/F7) CTRL-MAX + constant pressure presión constante (COP) | | | |
| Code Código | Model Modelo | R.R.P € | P.V.P € |
| DOM10AV1MX0PF7 | DOMEX 1000 CTRL-MAX EEC V + COP | | 8.101,90 |
| DOM16AV1MX0PF7 | DOMEX 1600 CTRL-MAX EEC V + COP | | 10.504,70 |
| DOM23AV1MX0PF7 | DOMEX 2300 CTRL-MAX EEC V + COP | | 11.763,00 |
| DOM39AV1MX0PF7 | DOMEX 3900 CTRL-MAX EEC V + COP | | 15.113,20 |
| DOM54AV1MX0PF7 | DOMEX 5400 CTRL-MAX EEC V + COP | | 18.546,80 |
| VERTICAL ePM1 70% / ePM1 70% (ex. F7/F7) CTRL-MAX + constant flow caudal constante (CAV) | | | |
| Code Código | Model Modelo | R.R.P € | P.V.P € |
| DOM10AV1MX0QF7 | DOMEX 1000 CTRL-MAX EEC V + CAV | | 8.101,90 |
| DOM16AV1MX0QF7 | DOMEX 1600 CTRL-MAX EEC V + CAV | | 10.504,70 |
| DOM23AV1MX0QF7 | DOMEX 2300 CTRL-MAX EEC V + CAV | | 11.763,00 |
| DOM39AV1MX0QF7 | DOMEX 3900 CTRL-MAX EEC V + CAV | | 15.113,20 |
| DOM54AV1MX0QF7 | DOMEX 5400 CTRL-MAX EEC V + CAV | | 18.546,80 |
| VERTICAL ePM1 70%+ ePM1 >80% / ePM1 70% (ex. F7+F9/F7) CTRL-MAX | | | |
| Code Código | Model Modelo | R.R.P € | P.V.P € |
| DOM10AV1MX00F9 | DOMEX 1000 CTRL-MAX EEC V | | 8.026,20 |
| DOM16AV1MX00F9 | DOMEX 1600 CTRL-MAX EEC V | | 10.428,90 |
| DOM23AV1MX00F9 | DOMEX 2300 CTRL-MAX EEC V | | 11.732,70 |
| DOM39AV1MX00F9 | DOMEX 3900 CTRL-MAX EEC V | | 15.147,20 |
| DOM54AV1MX00F9 | DOMEX 5400 CTRL-MAX EEC V | | 18.687,10 |
| VERTICAL ePM1 70%+ ePM1 >80% / ePM1 70% (ex. F7+F9/F7) CTRL-MAX BE electrical coil batería eléctrica | | | |
| Code Código | Model Modelo | R.R.P € | P.V.P € |
| DOM10AV1MXBE0F9 | DOMEX 1000 BE CTRL-MAX EEC V | | 9.826,30 |
| DOM16AV1MXBE0F9 | DOMEX 1600 BE CTRL-MAX EEC V | | 12.528,50 |
| DOM23AV1MXBE0F9 | DOMEX 2300 BE CTRL-MAX EEC V | | 13.854,90 |
| DOM39AV1MXBE0F9 | DOMEX 3900 BE CTRL-MAX EEC V | | 17.553,80 |
| DOM54AV1MXBE0F9 | DOMEX 5400 BE CTRL-MAX EEC V | | 21.101,20 |

| VERTICAL ePM1 70%+ ePM1 >80% / ePM1 70% (ex. F7+F9/F7) CTRL-MAX BE electrical coil batería eléctrica + constant pressure presión constante (COP) | | | | | |
|--|------------------------------------|--|--|---------------------|-----------|
| Code Código | Model Modelo | | | R.R.P. € P.V.P. € | |
| DOM10AV1MXBEPF9 | DOMEX 1000 BE CTRL-MAX EEC V + COP | | | | 10.099,20 |
| DOM16AV1MXBEPF9 | DOMEX 1600 BE CTRL-MAX EEC V + COP | | | | 12.801,40 |
| DOM23AV1MXBEPF9 | DOMEX 2300 BE CTRL-MAX EEC V + COP | | | | 14.127,90 |
| DOM39AV1MXBEPF9 | DOMEX 3900 BE CTRL-MAX EEC V + COP | | | | 17.826,80 |
| DOM54AV1MXBEPF9 | DOMEX 5400 BE CTRL-MAX EEC V + COP | | | | 21.374,10 |
| VERTICAL ePM1 70%+ ePM1 >80% / ePM1 70% (ex. F7+F9/F7) CTRL-MAX BE electrical coil batería eléctrica + constant flow caudal constante (CAV) | | | | | |
| Code Código | Model Modelo | | | R.R.P. € P.V.P. € | |
| DOM10AV1MXBEQF9 | DOMEX 1000 BE CTRL-MAX EEC V + CAV | | | | 10.099,20 |
| DOM16AV1MXBEQF9 | DOMEX 1600 BE CTRL-MAX EEC V + CAV | | | | 12.801,40 |
| DOM23AV1MXBEQF9 | DOMEX 2300 BE CTRL-MAX EEC V + CAV | | | | 14.127,90 |
| DOM39AV1MXBEQF9 | DOMEX 3900 BE CTRL-MAX EEC V + CAV | | | | 17.826,80 |
| DOM54AV1MXBEQF9 | DOMEX 5400 BE CTRL-MAX EEC V + CAV | | | | 21.374,10 |
| VERTICAL ePM1 70%+ ePM1 >80% / ePM1 70% (ex. F7+F9/F7) CTRL-MAX BA water coil batería de agua | | | | | |
| Code Código | Model Modelo | | | R.R.P. € P.V.P. € | |
| DOM10AV1MXBA0F9 | DOMEX 1000 BA CTRL-MAX EEC V | | | | 9.098,60 |
| DOM16AV1MXBA0F9 | DOMEX 1600 BA CTRL-MAX EEC V | | | | 11.592,40 |
| DOM23AV1MXBA0F9 | DOMEX 2300 BA CTRL-MAX EEC V | | | | 12.915,10 |
| DOM39AV1MXBA0F9 | DOMEX 3900 BA CTRL-MAX EEC V | | | | 16.428,30 |
| DOM54AV1MXBA0F9 | DOMEX 5400 BA CTRL-MAX EEC V | | | | 20.013,50 |
| VERTICAL ePM1 70%+ ePM1 >80% / ePM1 70% (ex. F7+F9/F7) CTRL-MAX BA water coil batería de agua + constant pressure presión constante (COP) | | | | | |
| Code Código | Model Modelo | | | R.R.P. € P.V.P. € | |
| DOM10AV1MXBAPF9 | DOMEX 1000 BA CTRL-MAX EEC V + COP | | | | 9.371,60 |
| DOM16AV1MXBAPF9 | DOMEX 1600 BA CTRL-MAX EEC V + COP | | | | 11.865,30 |
| DOM23AV1MXBAPF9 | DOMEX 2300 BA CTRL-MAX EEC V + COP | | | | 13.187,90 |
| DOM39AV1MXBAPF9 | DOMEX 3900 BA CTRL-MAX EEC V + COP | | | | 16.701,10 |
| DOM54AV1MXBAPF9 | DOMEX 5400 BA CTRL-MAX EEC V + COP | | | | 20.286,40 |
| VERTICAL ePM1 70%+ ePM1 >80% / ePM1 70% (ex. F7+F9/F7) CTRL-MAX BA water coil batería de agua + constant flow caudal constante (CAV) | | | | | |
| Code Código | Model Modelo | | | R.R.P. € P.V.P. € | |
| DOM10AV1MXBAQF9 | DOMEX 1000 BA CTRL-MAX EEC V + CAV | | | | 9.371,60 |
| DOM16AV1MXBAQF9 | DOMEX 1600 BA CTRL-MAX EEC V + CAV | | | | 11.865,30 |
| DOM23AV1MXBAQF9 | DOMEX 2300 BA CTRL-MAX EEC V + CAV | | | | 13.187,90 |
| DOM39AV1MXBAQF9 | DOMEX 3900 BA CTRL-MAX EEC V + CAV | | | | 16.701,10 |
| DOM54AV1MXBAQF9 | DOMEX 5400 BA CTRL-MAX EEC V + CAV | | | | 20.286,40 |
| VERTICAL ePM1 70%+ ePM1 >80% / ePM1 70% (ex. F7+F9/F7) CTRL-MAX + constant flow caudal constante (CAV) | | | | | |
| Code Código | Model Modelo | | | R.R.P. € P.V.P. € | |
| DOM10AV1MX0QF9 | DOMEX 1000 CTRL-MAX EEC V + CAV | | | | 8.299,00 |
| DOM16AV1MX0QF9 | DOMEX 1600 CTRL-MAX EEC V + CAV | | | | 10.701,80 |
| DOM23AV1MX0QF9 | DOMEX 2300 CTRL-MAX EEC V + CAV | | | | 12.005,40 |
| DOM39AV1MX0QF9 | DOMEX 3900 CTRL-MAX EEC V + CAV | | | | 15.420,20 |
| DOM54AV1MX0QF9 | DOMEX 5400 CTRL-MAX EEC V + CAV | | | | 18.959,90 |
| VERTICAL ePM1 70%+ ePM1 >80% / ePM1 70% (ex. F7+F9/F7) CTRL-MAX + constant pressure presión constante (COP) | | | | | |
| Code Código | Model Modelo | | | R.R.P. € P.V.P. € | |
| DOM10AV1MX0PF9 | DOMEX 1000 CTRL-MAX EEC V + COP | | | | 8.299,00 |
| DOM16AV1MX0PF9 | DOMEX 1600 CTRL-MAX EEC V + COP | | | | 10.701,80 |
| DOM23AV1MX0PF9 | DOMEX 2300 CTRL-MAX EEC V + COP | | | | 12.005,40 |
| DOM39AV1MX0PF9 | DOMEX 3900 CTRL-MAX EEC V + COP | | | | 15.420,20 |
| DOM54AV1MX0PF9 | DOMEX 5400 CTRL-MAX EEC V + COP | | | | 18.959,90 |

FILTERS | FILTROS DOMEX EEC

| Replacement filters Supply / Extraction Filtros para recambio Impulsión / Extracción ePM1 70% (ex. F7) | | | | | |
|---|--------------------------------|--------------------------|--------------------------|---|-------------------|
| Code Código | Model Modelo | Dimensions Dimensiones | Application Aplicación | Filters for unit Filtros por unidad * | R.R.P. P.V.P. € |
| FLTDMX10F7 | FILT. ePM1 70% DOMEX EEC 1000 | 400x360 | DOMEX EEC 1000 | 1 | 150,40 |
| FLTDMX16F7 | FILT. ePM1 70% DOMEX EEC 1600 | 475x395 | DOMEX EEC 1600 | 1 | 154,20 |
| FLTDMX23F7 | FILT. ePM1 70% DOMEX EEC 2300 | 690x395 | DOMEX EEC 2300 | 1 | 107,90 |
| FLTDMX39F7 | FILT. ePM1 70% DOMEX EEC 3900 | 770x545 | DOMEX EEC 3900 | 1 | 246,70 |
| FLTDMX54F7 | FILT. ePM1 70% DOMEX EEC 5400 | 840x680 | DOMEX EEC 5400 | 1 | 370,00 |
| Replacement filters Supply / Extraction Filtros para recambio Impulsión / Extracción ePM1 >80% (ex. F9) | | | | | |
| Code Código | Model Modelo | Dimensions Dimensiones | Application Aplicación | Filters for unit Filtros por unidad * | R.R.P. P.V.P. € |
| FLTDMX10F9 | FILT. ePM1 >80% DOMEX EEC 1000 | 400x360 | DOMEX EEC 1000 | 1 | 200,50 |
| FLTDMX16F9 | FILT. ePM1 >80% DOMEX EEC 1600 | 475x395 | DOMEX EEC 1600 | 1 | 200,50 |
| FLTDMX23F9 | FILT. ePM1 >80% DOMEX EEC 2300 | 690x395 | DOMEX EEC 2300 | 1 | 246,70 |
| FLTDMX39F9 | FILT. ePM1 >80% DOMEX EEC 3900 | 770x545 | DOMEX EEC 3900 | 1 | 312,20 |
| FLTDMX54F9 | FILT. ePM1 >80% DOMEX EEC 5400 | 840x680 | DOMEX EEC 5400 | 1 | 420,10 |

* When placing an order, please take into account that the filters RRP is unitary and must be multiplied by the indicated quantities for each unit of exchanger

* Al hacer el pedido debe tener en cuenta que el PVP de los filtros es unitario y debe multiplicarse por las cantidades indicadas para cada unidad de recuperador.

ROOF COWL | TEJADILLO DOMEX EEC

| DOMEX EEC HORIZONTAL | | | | |
|---|----------------------------|--------------------------|---------------------|--|
| Weather protective roof for Tejadillo para lluvia para DOMEX EEC Horizontal | | | | |
| Code Código | Model Modelo | Application Aplicación | R.R.P. € P.V.P. € | |
| TEJDMXH10 | TEJ DOMEX EEC 1000 H | DOMEX EEC 1000 | 146,50 | |
| TEJDMXH16 | TEJ DOMEX EEC 1600 H | DOMEX EEC 1600 | 188,90 | |
| TEJDMXH23 | TEJ DOMEX EEC 2300 H | DOMEX EEC 2300 | 223,60 | |
| TEJDMXH39 | TEJ DOMEX EEC 3900 H | DOMEX EEC 3900 | 254,40 | |
| TEJDMXH54 | TEJ DOMEX EEC 5400 H | DOMEX EEC 5400 | 312,20 | |
| DOMEX EEC con baterías coil Horizontal | | | | |
| Code Código | Model Modelo | Application Aplicación | R.R.P. € P.V.P. € | |
| TEJDMXHBAT10 | TEJ DOMEX EEC BE/BA 1000 H | DOMEX EEC 1000 | 196,60 | |
| TEJDMXHBAT16 | TEJ DOMEX EEC BE/BA 1600 H | DOMEX EEC 1600 | 242,80 | |
| TEJDMXHBAT23 | TEJ DOMEX EEC BE/BA 2300 H | DOMEX EEC 2300 | 281,40 | |
| TEJDMXHBAT39 | TEJ DOMEX EEC BE/BA 3900 H | DOMEX EEC 3900 | 312,20 | |
| TEJDMXHBAT54 | TEJ DOMEX EEC BE/BA 5400 H | DOMEX EEC 5400 | 373,90 | |
| DOMEX EEC VERTICAL | | | | |
| Weather protective roof for Tejadillo para lluvia para DOMEX EEC Vertical | | | | |
| Code Código | Model Modelo | Application Aplicación | R.R.P. € P.V.P. € | |
| TEJDMXV10 | TEJ DOMEX EEC 1000 V | DOMEX EEC 1000 | 123,30 | |
| TEJDMXV16 | TEJ DOMEX EEC 1600 V | DOMEX EEC 1600 | 131,10 | |
| TEJDMXV23 | TEJ DOMEX EEC 2300 V | DOMEX EEC 2300 | 134,90 | |
| TEJDMXV39 | TEJ DOMEX EEC 3900 V | DOMEX EEC 3900 | 154,20 | |
| TEJDMXV54 | TEJ DOMEX EEC 5400 V | DOMEX EEC 5400 | 200,50 | |
| DOMEX EEC con baterías coil Vertical | | | | |
| Code Código | Model Modelo | Application Aplicación | R.R.P. € P.V.P. € | |
| TEJDMXVBAT10 | TEJ DOMEX EEC BE/BA 1000 V | DOMEX EEC 1000 | 173,40 | |
| TEJDMXVBAT16 | TEJ DOMEX EEC BE/BA 1600 V | DOMEX EEC 1600 | 185,00 | |
| TEJDMXVBAT23 | TEJ DOMEX EEC BE/BA 2300 V | DOMEX EEC 2300 | 188,90 | |
| TEJDMXVBAT39 | TEJ DOMEX EEC BE/BA 3900 V | DOMEX EEC 3900 | 212,00 | |
| TEJDMXVBAT54 | TEJ DOMEX EEC BE/BA 5400 V | DOMEX EEC 5400 | 258,30 | |

MAKNA EEC

Large flow heat exchanger with modbus control and EC motor

Recuperador de gran caudal con control modbus y motor EC



85%



MANUFACTURING FEATURES

Medium-high efficiency heat recovery unit (Eff.85%) for large flow with EC motor and modbus connection for optimized and centralized management. Counter flow heat exchanger, Eurovent certified. Assembled in insulated steel casing with polyurethane and foam panels. With total bypass and CTRL-MAX2 regulation control (see options in control chart). Configuration options: without heating, with electric or water coil (cold or hot) integrated in the unit. With filters ISO ePM1 70% (F7) in fresh and exhaust air. Vertical installation.

CHASSIS:

- Composed of three basic modules made of extruded aluminum (two fans, filtration and heat recovery, bypass module).
- Sandwich panels made of Aluzinc, interleaved between polyurethane and foam insulation with thickness of 45 mm and density of 42 kg/m³.

HEAT EXCHANGER:

- Aluminium counter flow heat exchanger with 85% efficiency.
- Eurovent certified.

FANS:

- PLUG FAN with EC motor.

FILTERS:

- ISO ePM1 70% (F7) in fresh and exhaust air.

CONTROL:

- CTRL-MAX₂: management of automatic bypass, manual or automatic speed control by choosing variable flow rate (VAV) and constant pressure (COP). Automatic management of the post-heating temperature of the electric coil or cold/ heating water coil, and modbus connection.

COP- CONSTANT PRESSURE

VAV - VARIABLE FLOW (CO₂ sensor).

APPLICATIONS

- Malls, small shops, banks, hostelry, schools, office buildings, public buildings.

UNDER REQUEST

- Without control.
- With CTRL-DPH.
- Manual bypass.
- ISO ePM10 50% (M5) filter in exhaust air.
- Plug & play version (switchboard and prewired control integrated).
- Kit COP+CAV and VAV.
- Other special configurations.

CARACTERÍSTICAS CONSTRUCTIVAS

Unidad de recuperación de calor de media-alta eficiencia (Eff. 85%) de grandes caudales con motor EC y conexión modbus para una gestión optimizada y centralizada. Con intercambiador de contraflujo certificado Eurovent, montados en cajas de acero aislados con paneles de poliuretano y espuma. Con bypass total y control de regulación CTRL-MAX₂ (ver opciones en cuadro de controles). Diversas opciones de configuración: sin calefacción, con batería eléctrica o de agua (fría o caliente) integradas en la unidad. Con filtros ISO ePM1 70% (F7) en impulsión y retorno. Versiones para instalación vertical.

CHASIS:

- Compuesto por tres módulos básicos hechos de aluminio extruido (dos ventiladores, filtración y recuperación de calor, módulo bypass).
- Doble capa de paneles Aluzinc, intercalados sobre poliuretano y aislamiento de espuma, con espesor de 45 mm y densidad de 42 Kg/m³.

INTERCAMBIADOR DE CALOR:

- Intercambiador de calor de contraflujo de aluminio con eficiencia 85%.
- Certificado por Eurovent

VENTILADORES:

- Ventiladores tipo PLUG FAN EEC.

FILTROS:

- ISO ePM1 70% (F7) en impulsión y retorno.

CONTROL:

- CTRL-MAX₂: gestión automática del bypass, control manual o automático de velocidad eligiendo, caudal variable (VAV) y presión constante (COP). Gestión automática de la temperatura de post-calentamiento de las baterías eléctrica o de agua y conexión modbus.

COP- PRESIÓN CONSTANTE

VAV - CAUDAL VARIABLE (sonda CO₂)

APLICACIONES

- Centros comerciales, pequeñas tiendas, bancos, hostelería, escuelas, edificios de oficinas, edificios públicos.

BAJO DEMANDA

- Sin control.
- Con CTRL-DPH.
- By pass manual.
- Filtros ISO ePM10 50% (M5) en retorno.
- Versión plug & play (panel de control y control precableado integrados).
- Kit COP+CAV, VAV.
- Otras configuraciones especiales.

ACCESSORIES | ACCESORIOS



REGD-1 pg.431

Speed controller.
Regulador de velocidad.



SCO2 pg.435

CO₂ HR and temperature probe.
Sonda de CO₂, HR, y temperatura.



DCO2 pg.435

CO₂, HR and temperature probe for duct.
Sonda de CO₂, HR, y temperatura para conducto.



FILTERS pg.404

Filters.
Filtros.



TEJ pg.421

Weather protective roof for ventilation boxes.
Tejadillo intemperie para cajas de ventilación.

REFERENCES INTERPRETATION | INTERPRETACIÓN DE LAS REFERENCIAS

| MAK09AV1MBBAPF7 | MAKNA EEC | 9000 | CTRL-MAX ² | F7/F7 | BA | EEC | V | COP |
|-----------------|-----------------------------|----------------|-----------------------|-----------------|----------------|-------------------------------|-------------------------------|-------------|
| Code Código | Denomination Denominación | Model Modelo | Control | Filter Filtro | Coil Batería | Type EC motor Tipo motor EC | Configuration Configuración | Mode Modo |

TECHNICAL DATA | DATOS TÉCNICOS

| HEAT RECOVERY UNIT UNIDAD DE RECUPERACIÓN | | | | | | |
|---|--------------------------------|-------------------------|-------------------------------------|------------------------|----------------------------------|------------------|
| Model Modelo | Rated I (A) I. nom. (A) 400V | Rat. Pow. Pot. nom kW | Air flow Caudal m ³ /h | Water coil Bat. agua | Electrical coil Bat. eléctrica | Weight Peso Kg |
| MAKNA 9000 EEC | 2x4,8 | 2x2,9 | 9.000 | BA MAKNA 1 | BE 3ph MAKNA 1 | 966 |
| MAKNA 14000 EEC | 2x8,4 | 2x5,2 | 14.000 | BA MAKNA 2 | BE 3ph MAKNA 2 | 1270 |

| WATER COIL BATERÍA DE AGUA | | | | | | |
|------------------------------|-----------------|-----------------|---------------|---------------|---------------|--|
| Model Modelo | Power Pot. kW | Ø Tubes Tubos | Material | | | |
| | | | Tubes Tubos | Fins Aletas | Frame Marco | |
| BA MAKNA 1 | 40 | 1" | Cu | Al | Fe Zn | |
| BA MAKNA 2 | 66 | 1 1/4" | Cu | Al | Fe Zn | |

| ELECTRICAL COIL BATERÍA ELÉCTRICA | | | | | |
|-------------------------------------|---------------------------|-----------------|-------------------|-----------------|--|
| Model Modelo | Rated I (A) I. max. (A) | Power Pot. kW | Voltage Voltaje | Stages Etapas | |
| BE 3ph MAKNA 1 | 34,8 | 24 | 400V | 1 | |
| BE 3ph MAKNA 2 | 52,2 | 36 | 400V | 1 | |

MAKNA EEC VERTICAL

| VERTICAL ePM1 70%/ePM1 70% (ex. F7/F7) CTRL-MAX2 | | |
|---|-----------------------------------|---------------------|
| Code Código | Model Modelo | R.R.P. € P.V.P. € |
| MAK09AV1MBB0F7 | MAKNA 9000 CTRL-MAX2 | 32.095,60 |
| MAK14AV1MBB0F7 | MAKNA 14000 CTRL-MAX2 | 43.334,50 |
| VERTICAL ePM1 70%/ePM1 70% (ex. F7/F7) CTRL-MAX2 BE electrical coil batería eléctrica | | |
| Code Código | Model Modelo | R.R.P. € P.V.P. € |
| MAK09AV1MBBE0F7 | MAKNA 9000 CTRL-MAX2 + BE | 35.851,20 |
| MAK14AV1MBBE0F7 | MAKNA 14000 CTRL-MAX2 + BE | 48.069,70 |
| VERTICAL ePM1 70%/ePM1 70% (ex. F7/F7) CTRL-MAX2 BA water coil batería de agua | | |
| Code Código | Model Modelo | R.R.P. € P.V.P. € |
| MAK09AV1MBBA0F7 | MAKNA 9000 CTRL-MAX2+BA Vertical | 33.566,80 |
| MAK14AV1MBBA0F7 | MAKNA 14000 CTRL-MAX2+BA Vertical | 45.241,60 |
| VERTICAL ePM1 70%/ePM1 70% (ex. F7/F7) CTRL-MAX2 + constant pressure presión constante (COP) | | |
| Code Código | Model Modelo | R.R.P. € P.V.P. € |
| MAK09AV1MBB0PF7 | MAKNA 9000 CTRL-MAX2 + COP | 32.560,60 |
| MAK14AV1MBB0PF7 | MAKNA 14000 CTRL-MAX2 + COP | 43.799,60 |
| VERTICAL ePM1 70%/ePM1 70% (ex. F7/F7) CTRL-MAX2 BE + constant pressure presión constante (COP) | | |
| Code Código | Model Modelo | R.R.P. € P.V.P. € |
| MAK09AV1MBBEPF7 | MAKNA 9000 CTRL-MAX+ BE + COP | 36.316,30 |
| MAK14AV1MBBEPF7 | MAKNA 14000 CTRL-MAX+ BE + COP | 48.534,80 |
| VERTICAL ePM1 70%/ePM1 70% (ex. F7/F7) CTRL-MAX2 BA + constant pressure presión constante (COP) | | |
| Code Código | Model Modelo | R.R.P. € P.V.P. € |
| MAK09AV1MBBAPF7 | MAKNA 9000 CTRL-MAX2+ BA + COP | 34.031,80 |
| MAK14AV1MBBAPF7 | MAKNA 14000 CTRL-MAX2+ BA + COP | 45.706,60 |

FILTERS | FILTROS MAKNA EEC

| Filters Supply / Extraction Filtros Impulsión / Extracción ePM10>50% (ex. M5) | | | | | | | |
|---|-------------------------------------|--------------------------|--------------------------|---|-----------------|--|--|
| Code Código | Model Modelo | Dimensions Dimensiones | Application Aplicación | Filters for unit Filtros por unidad * | R.R.P P.V.P € | | |
| FLTEIMKN90M5 | FILT. ePM10 >50%MAKNA 9000 EEC (A) | 592 x 592 x 48 | MAKNA 9000 EEC | 2 | 106,10 | | |
| FLTEIMKN91M5 | FILT. ePM10 >50%MAKNA 9000 EEC (B) | 592 x 287 x 48 | MAKNA 9000 EEC | 2 | 58,00 | | |
| FLTEIMKN14M5 | FILT. ePM10 >50%MAKNA 14000 EEC(A) | 592 x 592 x 48 | MAKNA 14000 EEC | 3 | 106,10 | | |
| FLTEIMKN15M5 | FILT. ePM10 >50%MAKNA 14000 EEC (B) | 592 x 287 x 48 | MAKNA 14000 EEC | 3 | 58,00 | | |

| Filters Supply / Extraction Filtros Impulsión / Extracción ePM1 70% (ex. F7) | | | | | | | |
|--|------------------------------------|--------------------------|--------------------------|---|-----------------|--|--|
| Code Código | Model Modelo | Dimensions Dimensiones | Application Aplicación | Filters for unit Filtros por unidad * | R.R.P P.V.P € | | |
| FLTEIMKN90F7 | FILT. ePM1 70% MAKNA 9000 EEC (A) | 592 x 592 x 48 | MAKNA 9000 EEC | 2 | 194,90 | | |
| FLTEIMKN91F7 | FILT. ePM1 70% MAKNA 9000 EEC (B) | 592 x 287 x 48 | MAKNA 9000 EEC | 2 | 107,30 | | |
| FLTEIMKN14F7 | FILT. ePM1 70% MAKNA 14000 EEC (A) | 592 x 592 x 48 | MAKNA 14000 EEC | 3 | 194,90 | | |
| FLTEIMKN15F7 | FILT. ePM1 70% MAKNA 14000 EEC (B) | 592 x 287 x 48 | MAKNA 14000 EEC | 3 | 107,30 | | |

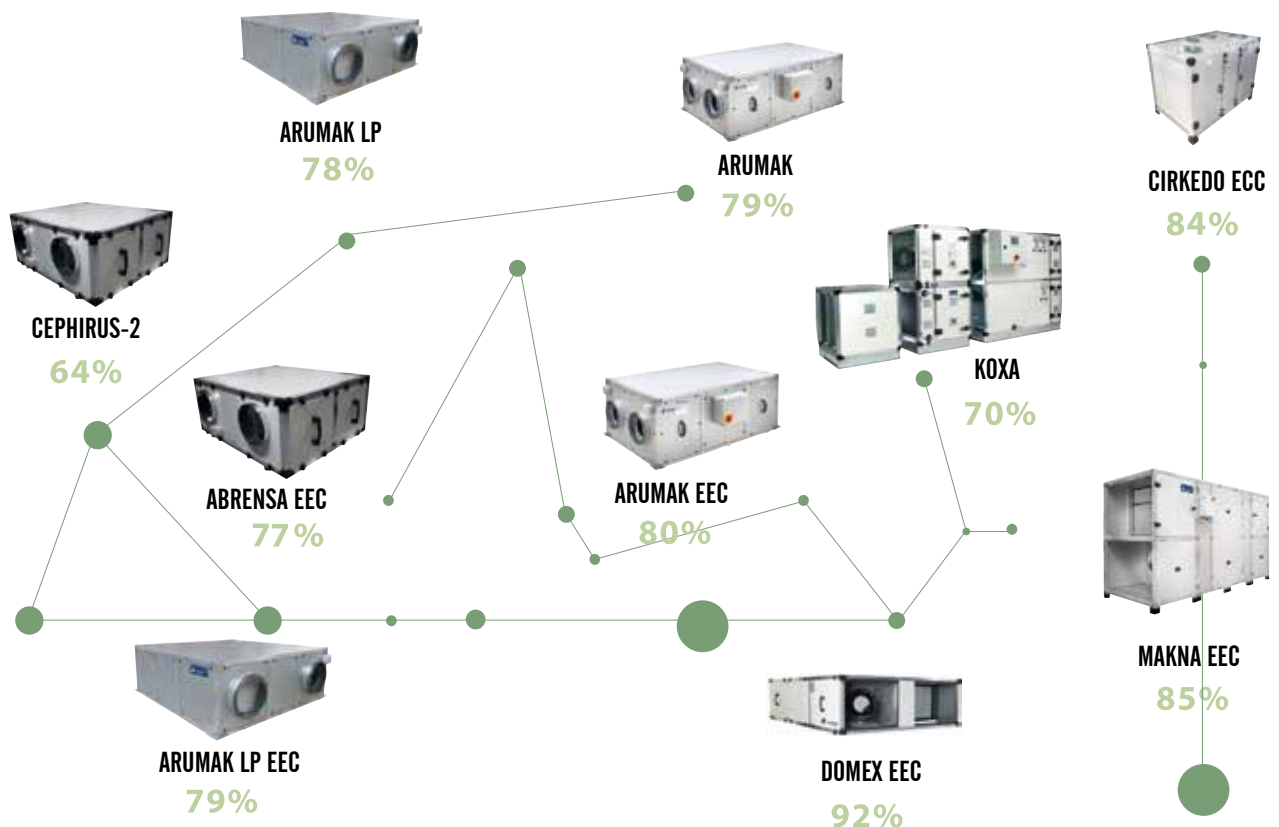
* When placing an order, please take into account that the filters RRP is unitary and must be multiplied by the indicated quantities for each unit of exchanger

* Al hacer el pedido debe tener en cuenta que el PVP de los filtros es unitario y debe multiplicarse por las cantidades indicadas para cada unidad de recuperador.

ROOF COWL | TEJADILLO MAKNA EEC

| Weather modular protective roof for Tejadillo con módulos para lluvia para MAKNA EEC | | | |
|--|---|--------------------------|-----------------|
| Code Código | Model Modelo | Application Aplicación | R.R.P P.V.P € |
| TEJMKN90 | TEJ MAKNA 9000 | MAKNA 9000 EEC | 690,70 |
| TEJMKN14 | TEJ MAKNA 14000 | MAKNA 14000 EEC | 747,50 |
| TEJDMKN90 | TEJ adicional doble módulo - MAKNA 9000 | MAKNA 9000 EEC | 189,90 |
| TEJDMKN14 | TEJ adicional doble módulo - MAKNA 14000 | MAKNA 14000 EEC | 218,30 |
| TEJSMKN90 | TEJ adicional módulo singular - MAKNA 9000 | MAKNA 9000 EEC | 146,80 |
| TESMKN14 | TEJ adicional módulo singular - MAKNA 14000 | MAKNA 14000 EEC | 176,40 |

ENERGY RECOVERY UNITS RECUPERADORES DE ENERGÍA



CIRKEDO EEC

Large Flow heat exchanger with modbus control and EC motor

Recuperador de gran caudal con control modbus y motor EC



84%



| MANUFACTURING FEATURES

High efficiency heat recovery unit (Eff. 84%). Equipped with rotary heat exchanger (regenerative exchanger) made of aluminium, Eurovent certified, and electronic EC fans with backward impeller. This heat recovery unit is supplied in monoblock, instead of separated modules (under request).

CHASSIS:

- Made of aluminium profile frames, extruded and sandwich panels 45 mm thickness with polyurethane foam insulation. Panels and internal components are made of Aluzinc that ensures the high resistance to corrosion and rust. Two panels with hinged lid to make easier the access to filters ISO ePM1 70% (F7) for new air and ISO ePM10 50% (M5) for exhausted air.
- Designed to be installed inside buildings; it is supplied with aluminium bases 100mm height for floor installation. 6 sizes available.
- It can be supplied with post-air treatment systems (inside the unit) like: heating water coil and electrical coil with variable speed.

HEAT EXCHANGER:

- Rotary heat exchanger (regenerative exchanger) made of aluminium, with 84% efficiency.
- Eurovent certified.

FANS:

- PLUG FAN wit EC motor.

FILTERS:

- ISO ePM10 70% (F7) in fresh air and ISO ePM10 50% (M5) in exhaust air.
- Maintenance by side panel.

CONTROL:

- It is completely supplied with electrical board and control system. This unit is supplied with CTRL-DPH control but under request it can be equipped with CTRL-MAX₂ control for the complete integration in domotic systems (Modbus protocol) with Ethernet connection or, upon request, with RS485 connection.
- CTRL-DPH, with a colour lighted touch panel, allows an intuitive vision of the operational status of the equipment. It allows the fan speed regulation and a weekly schedule for the automatic management of the fan.
- It can be controlled from an external switch to turn on the reinforcement function. The air flow can be automatically adjusted if it is connected to a sensor of air quality. It can control any accessory for air post-treatment, the automatic bypass management and avoids brine appearance in heat exchanger by managing the fan speed and warns user about the filter replacement need (the clogging status of filter is monitored by two standard differential pressure switches) or the beginning of an anomaly and its origin. Adding optional accessories (Kit COP and Kit CAV in duct installed) it is possible manage the unit in constant pressure or constant flow.
- CTRL-MAX₂, with the same features than CTRL-DPH, has the communication Modbus protocol that allows the whole unit control due to the monitoring software of domotic system. The implemented web server allows the unit control with a sales navigator with a device connected to the domotic net (remote as well) where the unit is inserted.

| APPLICATIONS

- Malls, small shops, banks, hostelry, schools, office buildings, public buildings and cold environments.

| UNDER REQUEST

- Plug & play version (switchboard and prewired control integrated).
- Kit COP+CAV, VAV.
- Other special configurations.
- ISO ePM10 70% (F7) filter in exhaust air
- Electrical pre-heating resistance.
- It can be equipped with air post-heating systems with a cold water coil installed outside the unit.
- Supplied in modules of 3 pieces or blocks to make easier the installation in small places.
- For cold zones, it is recommended the use of pre-heating electrical coils in order to avoid frost and damage due to sudden change in temperature of heat exchanger.

| CARACTERÍSTICAS CONSTRUCTIVAS

Unidad de recuperación de calor de media alta eficiencia (Eff. 84%). Equipado con un intercambiador de calor rotativo (recuperador regenerativo) en aluminio (certificado Eurovent) y ventiladores electrónicos de tipo EC con álabes hacia atrás. Este recuperador se suministra en monobloque, en lugar de módulos por separado (bajo demanda).

CHASSIS:

- Construido con marcos de perfil de aluminio, paneles extruidos y sándwich 45 mm de espesor, aislados en espuma de poliuretano. Los paneles y componentes internos están hechos de Aluzinc, un material que asegura una alta resistencia a la corrosión y oxidación. Un par de paneles con apertura por bisagra hace fácil acceso a los filtros ISO ePM1 70% (F7) para el flujo de aire de renovación y ISO ePM10 50% (M5) para flujo de aire de extracción.
- Diseñado para instalarse dentro de edificios; se suministra con bases de aluminio de 100 mm de altura para la instalación del suelo. Disponible en 6 tamaños.
- Se puede equipar con sistemas de post tratamiento de aire (dentro de la unidad) como: batería de agua caliente y calentador eléctrico con velocidad variable.

INTERCAMBIADOR DE CALOR:

- Intercambiador de calor rotativo (recuperador regenerativo) de aluminio con eficiencia 84%.
- Certificado por Eurovent.

VENTILADORES:

- Ventiladores tipo PLUG FAN con motor EC.

FILTROS:

- ISO ePM10 70% (F7) en impulsión y ISO ePM10 50% (M5) en retorno.
- Mantenimiento por el panel lateral.

CONTROL:

- Se suministra completo con cuadro eléctrico y sistema de control; la versión viene equipada con control CTRL-DPH o versión opcional con control CTRL-MAX₂ preparado para la completa integración en sistemas domóticos (protocolo Modbus) con conexión Ethernet o, previa solicitud, con la conexión RS485.
- CTRL-DPH tiene una interfaz de pantalla táctil retroiluminada en color que permite una visión intuitiva del estado operativo del equipo. Permite la regulación oportuna de la velocidad del ventilador y a un horario semanal para la gestión automática del ventilador.
- Puede ser controlado desde un interruptor externo para activar la función refuerzo. Puede ajustar automáticamente el caudal de aire si está conectado a una sonda de calidad del aire; puede controlar cualquier accesorio para el tratamiento posterior al aire, gestiona el bypass de forma automática y evita la salmuera de intercambiador y avisa al usuario la necesidad de reemplazo del filtro (estado de obstrucción de los filtros monitorizado) o el origen de cualquier anomalía. Con la adición de accesorios opcionales (Kit COP y Kit CAV instalado en conducto) es posible administrar la máquina en presión constante o caudal constante.
- CTRL-MAX₂ tiene las mismas características que la versión CTRL-DPH con la adición del protocolo de comunicación Modbus que permite un control total de la máquina por el software de supervisión del sistema domótico. El servidor web implementado le permite interactuar con la máquina.

| APLICACIONES

- Centros comerciales, tiendas, bancos, hostelería, escuelas, edificios de oficinas, edificios públicos y ambientes fríos.

| BAJO DEMANDA

- Versión plug & play (panel de control y control precableado integrados).
- Kit COP+CAV, VAV.
- Filtro ISO ePM10 70% (F7) en retorno.
- Resistencia de precalentamiento eléctrico.
- Se puede equipar con sistemas de post tratamiento de aire con batería de agua fría instalada fuera de la unidad.
- Suministro por módulos de 3 piezas o bloques para facilitar la instalación en espacios reducidos.
- Para zonas frías se recomienda el uso de las baterías de precalentamiento eléctricas. Se consigue eliminar el escarchado y deterioro por cambios bruscos de temperatura del intercambiador de calor.

ACCESSORIES | ACCESORIOS



REGD-1 pg.431
Speed controller.
Regulador de velocidad.



SCO2 pg.435
CO₂, HR and temperature probe.
Sonda de CO₂, HR, y temperatura.



DCO2 pg.435
CO₂, HR and temperature probe for duct.
Sonda de CO₂, HR, y temperatura para conducto.



FILTERS pg.404
Filters.
Filtros.



TEJ pg.421
Weather protective roof for ventilation boxes.
Tejadillo intemperie para cajas de ventilación.

REFERENCES INTERPRETATION | INTERPRETACIÓN DE LAS REFERENCIAS

| CIR10RV1MXBEQF7 | CIRKEDO EEC | 1000 | CTRL-MAX ² /RS485 | F7/F7 | BE 1ph | EEC | M/V | kit CAV |
|-----------------|-----------------------------|----------------|------------------------------|-----------------|----------------|-------------------------------|-------------------------------|-------------|
| Code Código | Denomination Denominación | Model Modelo | Control | Filter Filtro | Coil Batería | Type EC motor Tipo motor EC | Configuration Configuración | Mode Modo |

TECHNICAL DATA | DATOS TÉCNICOS

| HEAT RECOVERY UNIT UNIDAD DE RECUPERACIÓN | | | | | | | | | |
|---|---------|---------------------------|-------|-------------------------|-------------------------------------|------------------------|----------------------------------|----------------------|--|
| Model Modelo | V fases | Rated I (A) I. nom. (A) | | Rat. Pow. Pot. nom kW | Air flow Caudal m ³ /h | Water coil Bat. agua | Electrical coil Bat. eléctrica | Weight Peso V/M Kg | |
| | | 230V | 400V | | | | | | |
| CIRKEDO EEC 1000 | 230V 1F | 2x1,4 | - | 2x0,17 | 1.050 | BA CIRKEDO M/V 1 | BE 1ph CIRKEDO 1 | 190/160 | |
| CIRKEDO EEC 2000 | 230V 1F | 2x2,8 | - | 2x0,45 | 2.300 | BA CIRKEDO M/V 2 | BE 1ph CIRKEDO 2 | 240/200 | |
| CIRKEDO EEC 2200 | 230V 1F | 2x2,8 | - | 2x0,45 | 2.400 | BA CIRKEDO M/V 3 | BE 3ph CIRKEDO 3 | 300/260 | |
| CIRKEDO EEC 3000 | 400V 3F | - | 2x1,6 | 2x1 | 3.400 | BA CIRKEDO M/V 4 | BE 3ph CIRKEDO 4 | 350/320 | |
| CIRKEDO EEC 5000 | 400V 3F | - | 2x1,7 | 2x1,1 | 5.200 | BA CIRKEDO M/V 5 | BE 3ph CIRKEDO 5 | 400/390 | |
| CIRKEDO EEC 7500 | 400V 3F | - | 2x1,7 | 2x2,7 | 7.600 | BA CIRKEDO M/V 6 | BE 3ph CIRKEDO 6 | 530/520 | |

| HEATING WATER COIL BATERÍA DE AGUA CALIENTE - MURAL | | | | | | | |
|---|-----------------|-----------------|-----------------|---------------|---------------|---------------|--|
| Model Modelo | Power Pot. kW | Ø Tubes Tubos | Stages Etapas | Material | | | |
| | | | | Tubes Tubos | Fins Aletas | Frame Marco | |
| BA CIRKEDO M 1 | 4.4 | 1/2" | 2 | Cu | Al | Fe Zn | |
| BA CIRKEDO M 2 | 8.2 | 1/2" | 2 | Cu | Al | Fe Zn | |
| BA CIRKEDO M 3 | 9.1 | 1/2" | 2 | Cu | Al | Fe Zn | |
| BA CIRKEDO M 4 | 15.4 | 1/2" | 3 | Cu | Al | Fe Zn | |
| BA CIRKEDO M 5 | 21.7 | 3/4" | 4 | Cu | Al | Fe Zn | |
| BA CIRKEDO M 6 | 33.3 | 1" | 3 | Cu | Al | Fe Zn | |

| HEATING WATER COIL BATERÍA DE AGUA CALIENTE - VERTICAL | | | | | | | |
|--|-----------------|-----------------|-----------------|---------------|---------------|---------------|--|
| Model Modelo | Power Pot. kW | Ø Tubes Tubos | Stages Etapas | Material | | | |
| | | | | Tubes Tubos | Fins Aletas | Frame Marco | |
| BA CIRKEDO V 1 | 4.0 | 1/2" | 2 | Cu | Al | Fe Zn | |
| BA CIRKEDO V 2 | 7.5 | 3/4" | 2 | Cu | Al | Fe Zn | |
| BA CIRKEDO V 3 | 8.4 | 1/2" | 2 | Cu | Al | Fe Zn | |
| BA CIRKEDO V 4 | 12.6 | 3/4" | 2 | Cu | Al | Fe Zn | |
| BA CIRKEDO V 5 | 17.9 | 3/4" | 2 | Cu | Al | Fe Zn | |
| BA CIRKEDO V 6 | 25.3 | 3/4" | 2 | Cu | Al | Fe Zn | |

| COLD WATER COIL BATERÍA DE AGUA FRÍA - MURAL/VERTICAL | | | | | | | |
|---|-----------------|-----------------|-----------------|---------------|---------------|---------------|--|
| Model Modelo | Power Pot. kW | Ø Tubes Tubos | Stages Etapas | Material | | | |
| | | | | Tubes Tubos | Fins Aletas | Frame Marco | |
| BA CIRKEDO 1 | 4.1 | 3/4" | 4 | Cu | Al | Fe Zn | |
| BA CIRKEDO 2 | 9.2 | 1" | 4 | Cu | Al | Fe Zn | |
| BA CIRKEDO 3 | 3.9 | 3/4" | 4 | Cu | Al | Fe Zn | |
| BA CIRKEDO 4 | 18.3 | 1" | 3 | Cu | Al | Fe Zn | |
| BA CIRKEDO 5 | 26 | 1" | 3 | Cu | Al | Fe Zn | |
| BA CIRKEDO 6 | 41 | 11,2" | 4 | Cu | Al | Fe Zn | |

| ELECTRICAL COIL BATERÍA ELÉCTRICA - MURAL/VERTICAL | | | | | | |
|--|-----------------|-------------------|-----------------------|------|-----------------|--|
| Model Modelo | Power Pot. kW | Voltage Voltaje | Rated I I. nom. (A) | | Stages Etapas | |
| | | | 230V | 400V | | |
| BE 1ph CIRKEDO 1 | 4 | 230V | 17.4 | - | 1 | |
| BE 1ph CIRKEDO 2 | 6 | 230V | 26.1 | - | 1 | |
| BE 3ph CIRKEDO 3 | 8 | 400V | - | 11.6 | 1 | |
| BE 3ph CIRKEDO 4 | 12 | 400V | - | 17.4 | 1 | |
| BE 3ph CIRKEDO 5 | 16 | 400V | - | 23.2 | 1 | |
| BE 3ph CIRKEDO 6 | 24 | 400V | - | 34.8 | 1 | |

CIRKEDO EEC VERTICAL

| VERTICAL ePM1 70%/ePM10>50% (ex. F7/M5) Standard CTRL-DPH without coils sin baterías | | | |
|--|------------------|--|---------------------|
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| | CIR10RV1PH00M5 | CIRKEDO EEC V 1000 CTRL-DPH RV1 | 9.187,80 |
| | CIR20RV1PH00M5 | CIRKEDO EEC V 2000 CTRL-DPH RV1 | 10.637,80 |
| | CIR22RV1PH00M5 | CIRKEDO EEC V 2200 CTRL-DPH RV1 | 13.569,10 |
| | CIR30RV1PH00M5 | CIRKEDO EEC V 3000 CTRL-DPH RV1 | 16.329,40 |
| | CIR50RV1PH00M5 | CIRKEDO EEC V 5000 CTRL-DPH RV1 | 19.540,50 |
| | CIR75RV1PH00M5 | CIRKEDO EEC V 7500 CTRL-DPH RV1 | 23.936,10 |
| | CIR22RV1PH00M5V3 | CIRKEDO EEC V 2200 CTRL-DPH RV3 (3 PZ) | 14.879,40 |
| | CIR30RV1PH00M5V3 | CIRKEDO EEC V 3000 CTRL-DPH RV3 (3 PZ) | 18.363,10 |
| | CIR50RV1PH00M5V3 | CIRKEDO EEC V 5000 CTRL-DPH RV3 (3 PZ) | 21.392,70 |
| | CIR75RV1PH00M5V3 | CIRKEDO EEC V 7500 CTRL-DPH RV3 (3 PZ) | 25.764,40 |

| VERTICAL ePM1 70%/ePM10>50% (ex. F7/M5) CTRL-DPH + post mixed water coil batería de agua mixta post | | | |
|---|-------------------|--|---------------------|
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| | CIR10RV1PHBAMM5 | CIRKEDO EEC V 1000 CTRL-DPH BAM RV1 | 10.642,10 |
| | CIR20RV1PHBAMM5 | CIRKEDO EEC V 2000 CTRL-DPH BAM RV1 | 12.145,10 |
| | CIR22RV1PHBAMM5 | CIRKEDO EEC V 2200 CTRL-DPH BAM RV1 | 16.006,10 |
| | CIR30RV1PHBAMM5 | CIRKEDO EEC V 3000 CTRL-DPH BAM RV1 | 18.898,20 |
| | CIR50RV1PHBAMM5 | CIRKEDO EEC V 5000 CTRL-DPH BAM RV1 | 22.358,10 |
| | CIR75RV1PHBAMM5 | CIRKEDO EEC V 7500 CTRL-DPH BAM RV1 | 27.745,60 |
| | CIR22RV1PHBAMM5V3 | CIRKEDO EEC V 2200 CTRL-DPH BAM RV3 (3 PZ) | 17.316,80 |
| | CIR30RV1PHBAMM5V3 | CIRKEDO EEC V 3000 CTRL-DPH BAM RV3 (3 PZ) | 20.932,20 |
| | CIR50RV1PHBAMM5V3 | CIRKEDO EEC V 5000 CTRL-DPH BAM RV3 (3 PZ) | 24.210,50 |
| | CIR75RV1PHBAMM5V3 | CIRKEDO EEC V 7500 CTRL-DPH BAM RV3 (3 PZ) | 29.573,90 |

| VERTICAL ePM1 70%/ePM10>50% (ex. F7/M5) CTRL-DPH + post electrical coil batería eléctrica post | | | |
|--|------------------|---|---------------------|
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| | CIR10RV1PHBEM5 | CIRKEDO EEC V 1000 CTRL-DPH BE RV1 | 9.981,30 |
| | CIR20RV1PHBEM5 | CIRKEDO EEC V 2000 CTRL-DPH BE RV1 | 11.526,70 |
| | CIR22RV1PHBEM5 | CIRKEDO EEC V 2200 CTRL-DPH BE RV1 | 15.039,20 |
| | CIR30RV1PHBEM5 | CIRKEDO EEC V 3000 CTRL-DPH BE RV1 | 18.166,60 |
| | CIR50RV1PHBEM5 | CIRKEDO EEC V 5000 CTRL-DPH BE RV1 | 21.653,50 |
| | CIR75RV1PHBEM5 | CIRKEDO EEC V 7500 CTRL-DPH BE RV1 | 26.714,00 |
| | CIR22RV1PHBEM5V3 | CIRKEDO EEC V 2200 CTRL-DPH BE RV3 (3 PZ) | 16.350,40 |
| | CIR30RV1PHBEM5V3 | CIRKEDO EEC V 3000 CTRL-DPH BE RV3 (3 PZ) | 20.201,00 |
| | CIR50RV1PHBEM5V3 | CIRKEDO EEC V 5000 CTRL-DPH BE RV3 (3 PZ) | 23.505,30 |
| | CIR75RV1PHBEM5V3 | CIRKEDO EEC V 7500 CTRL-DPH BE RV3 (3 PZ) | 28.542,30 |

| VERTICAL ePM1 70%/ePM10>50% (ex. F7/M5) CTRL-DPH + post heating water coil batería de agua caliente post | | | |
|--|------------------|---|---------------------|
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| | CIR10RV1PHBAM5 | CIRKEDO EEC V 1000 CTRL-DPH BA RV1 | 9.773,90 |
| | CIR20RV1PHBAM5 | CIRKEDO EEC V 2000 CTRL-DPH BA RV1 | 11.272,10 |
| | CIR22RV1PHBAM5 | CIRKEDO EEC V 2200 CTRL-DPH BA RV1 | 15.773,40 |
| | CIR30RV1PHBAM5 | CIRKEDO EEC V 3000 CTRL-DPH BA RV1 | 18.740,40 |
| | CIR50RV1PHBAM5 | CIRKEDO EEC V 5000 CTRL-DPH BA RV1 | 22.177,90 |
| | CIR75RV1PHBAM5 | CIRKEDO EEC V 7500 CTRL-DPH BA RV1 | 26.907,80 |
| | CIR22RV1PHBAM5V3 | CIRKEDO EEC V 2200 CTRL-DPH BA RV3 (3 PZ) | 17.084,10 |
| | CIR30RV1PHBAM5V3 | CIRKEDO EEC V 3000 CTRL-DPH BA RV3 (3 PZ) | 20.774,30 |
| | CIR50RV1PHBAM5V3 | CIRKEDO EEC V 5000 CTRL-DPH BA RV3 (3 PZ) | 24.030,20 |
| | CIR75RV1PHBAM5V3 | CIRKEDO EEC V 7500 CTRL-DPH BA RV3 (3 PZ) | 28.736,10 |

| VERTICAL ePM1 70%/ePM10>50% (ex. F7/M5) Standard CTRL-MAX2 without coils sin baterías | | | |
|---|------------------|---|---------------------|
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| | CIR10RV1MX00M5 | CIRKEDO EEC V 1000 CTRL MAX2/RS485 RV1 | 9.499,60 |
| | CIR20RV1MX00M5 | CIRKEDO EEC V 2000 CTRL MAX2/RS485 RV1 | 10.911,70 |
| | CIR22RV1MX00M5 | CIRKEDO EEC V 2200 CTRL MAX2/RS485 RV1 | 13.880,20 |
| | CIR30RV1MX00M5 | CIRKEDO EEC V 3000 CTRL MAX2/RS485 RV1 | 16.641,20 |
| | CIR50RV1MX00M5 | CIRKEDO EEC V 5000 CTRL MAX2/RS485 RV1 | 19.851,80 |
| | CIR75RV1MX00M5 | CIRKEDO EEC V 7500 CTRL MAX2/RS485 RV1 | 24.248,00 |
| | CIR22RV1MX00M5V3 | CIRKEDO EEC V 2200 CTRL MAX2/RS485 RV3 (3 PZ) | 15.191,30 |
| | CIR30RV1MX00M5V3 | CIRKEDO EEC V 3000 CTRL MAX2/RS485 RV3 (3 PZ) | 18.675,00 |
| | CIR50RV1MX00M5V3 | CIRKEDO EEC V 5000 CTRL MAX2/RS485 RV3 (3 PZ) | 21.704,60 |
| | CIR75RV1MX00M5V3 | CIRKEDO EEC V 7500 CTRL MAX2/RS485 RV3 (3 PZ) | 26.076,40 |

| VERTICAL ePM1 70%/ePM10>50% (ex. F7/M5) CTRL-MAX2 + post mixed water coil batería de agua mixta post | | | |
|--|-------------------|---|---------------------|
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| | CIR10RV1MXBAMM5 | CIRKEDO EEC V 1000 CTRL MAX2/RS485 BAM RV1 | 10.953,90 |
| | CIR20RV1MXBAMM5 | CIRKEDO EEC V 2000 CTRL MAX2/RS485 BAM RV1 | 12.419,30 |
| | CIR22RV1MXBAMM5 | CIRKEDO EEC V 2200 CTRL MAX2/RS485 BAM RV1 | 16.317,10 |
| | CIR30RV1MXBAMM5 | CIRKEDO EEC V 3000 CTRL MAX2/RS485 BAM RV1 | 19.210,10 |
| | CIR50RV1MXBAMM5 | CIRKEDO EEC V 5000 CTRL MAX2/RS485 BAM RV1 | 22.669,30 |
| | CIR75RV1MXBAMM5 | CIRKEDO EEC V 7500 CTRL MAX2/RS485 BAM RV1 | 28.056,90 |
| | CIR22RV1MXBAMM5V3 | CIRKEDO EEC V 2200 CTRL MAX2/RS485 BAM RV3 (3 PZ) | 17.628,20 |
| | CIR30RV1MXBAMM5V3 | CIRKEDO EEC V 3000 CTRL MAX2/RS485 BAM RV3 (3 PZ) | 21.243,90 |
| | CIR50RV1MXBAMM5V3 | CIRKEDO EEC V 5000 CTRL MAX2/RS485 BAM RV3 (3 PZ) | 24.522,20 |
| | CIR75RV1MXBAMM5V3 | CIRKEDO EEC V 7500 CTRL MAX2/RS485 BAM RV3 (3 PZ) | 29.885,30 |

VERTICAL ePM1 70%/ePM10>50% (ex. F7/M5) CTRL-MAX2 + post electrical coil | batería eléctrica post

| Code | Código | Model | Modelo | R.R.P. € | P.V.P. € |
|------|------------------|-------------|--------------------------------------|----------|-----------|
| | CIR10RV1MXBEM5 | CIRKEDO EEC | V 1000 CTRL MAX2/RS485 BE RV1 | | 10.292,20 |
| | CIR20RV1MXBEM5 | CIRKEDO EEC | V 2000 CTRL MAX2/RS485 BE RV1 | | 11.800,90 |
| | CIR22RV1MXBEM5 | CIRKEDO EEC | V 2200 CTRL MAX2/RS485 BE RV1 | | 15.351,20 |
| | CIR30RV1MXBEM5 | CIRKEDO EEC | V 3000 CTRL MAX2/RS485 BE RV1 | | 18.478,50 |
| | CIR50RV1MXBEM5 | CIRKEDO EEC | V 5000 CTRL MAX2/RS485 BE RV1 | | 21.964,40 |
| | CIR75RV1MXBEM5 | CIRKEDO EEC | V 7500 CTRL MAX2/RS485 BE RV1 | | 27.025,60 |
| | CIR22RV1MXBEM5V3 | CIRKEDO EEC | V 2200 CTRL MAX2/RS485 BE RV3 (3 PZ) | | 16.662,30 |
| | CIR30RV1MXBEM5V3 | CIRKEDO EEC | V 3000 CTRL MAX2/RS485 BE RV3 (3 PZ) | | 20.512,30 |
| | CIR50RV1MXBEM5V3 | CIRKEDO EEC | V 5000 CTRL MAX2/RS485 BE RV3 (3 PZ) | | 23.817,20 |
| | CIR75RV1MXBEM5V3 | CIRKEDO EEC | V 7500 CTRL MAX2/RS485 BE RV3 (3 PZ) | | 28.854,10 |

VERTICAL ePM1 70%/ePM10>50% (ex. F7/M5) CTRL-MAX2 + post heating water coil | batería de agua caliente post

| Code | Código | Model | Modelo | R.R.P. € | P.V.P. € |
|------|------------------|-------------|--------------------------------------|----------|-----------|
| | CIR10RV1MXBAM5 | CIRKEDO EEC | V 1000 CTRL MAX2/RS485 BA RV1 | | 10.085,80 |
| | CIR20RV1MXBAM5 | CIRKEDO EEC | V 2000 CTRL MAX2/RS485 BA RV1 | | 11.546,70 |
| | CIR22RV1MXBAM5 | CIRKEDO EEC | V 2200 CTRL MAX2/RS485 BA RV1 | | 16.085,00 |
| | CIR30RV1MXBAM5 | CIRKEDO EEC | V 3000 CTRL MAX2/RS485 BA RV1 | | 19.051,40 |
| | CIR50RV1MXBAM5 | CIRKEDO EEC | V 5000 CTRL MAX2/RS485 BA RV1 | | 22.489,50 |
| | CIR75RV1MXBAM5 | CIRKEDO EEC | V 7500 CTRL MAX2/RS485 BA RV1 | | 27.218,80 |
| | CIR22RV1MXBAM5V3 | CIRKEDO EEC | V 2200 CTRL MAX2/RS485 BA RV3 (3 PZ) | | 17.395,00 |
| | CIR30RV1MXBAM5V3 | CIRKEDO EEC | V 3000 CTRL MAX2/RS485 BA RV3 (3 PZ) | | 21.086,30 |
| | CIR50RV1MXBAM5V3 | CIRKEDO EEC | V 5000 CTRL MAX2/RS485 BA RV3 (3 PZ) | | 24.341,20 |
| | CIR75RV1MXBAM5V3 | CIRKEDO EEC | V 7500 CTRL MAX2/RS485 BA RV3 (3 PZ) | | 29.047,20 |

VERTICAL ePM1 70%/ePM1 70% (ex. F7/F7) Standard CTRL-DPH without coils | sin baterías

| Code | Código | Model | Modelo | R.R.P. € | P.V.P. € |
|------|------------------|-------------|----------------------------|----------|-----------|
| | CIR10RV1PH00F7 | CIRKEDO EEC | V 1000 CTRL-DPH RV1 | | 9.236,50 |
| | CIR20RV1PH00F7 | CIRKEDO EEC | V 2000 CTRL-DPH RV1 | | 10.711,90 |
| | CIR22RV1PH00F7 | CIRKEDO EEC | V 2200 CTRL-DPH RV1 | | 13.630,50 |
| | CIR30RV1PH00F7 | CIRKEDO EEC | V 3000 CTRL-DPH RV1 | | 16.445,80 |
| | CIR50RV1PH00F7 | CIRKEDO EEC | V 5000 CTRL-DPH RV1 | | 19.657,50 |
| | CIR75RV1PH00F7 | CIRKEDO EEC | V 7500 CTRL-DPH RV1 | | 24.055,90 |
| | CIR22RV1PH00F7V3 | CIRKEDO EEC | V 2200 CTRL-DPH RV3 (3 PZ) | | 14.940,40 |
| | CIR30RV1PH00F7V3 | CIRKEDO EEC | V 3000 CTRL-DPH RV3 (3 PZ) | | 18.479,60 |
| | CIR50RV1PH00F7V3 | CIRKEDO EEC | V 5000 CTRL-DPH RV3 (3 PZ) | | 21.509,20 |
| | CIR75RV1PH00F7V3 | CIRKEDO EEC | V 7500 CTRL-DPH RV3 (3 PZ) | | 25.884,30 |

VERTICAL ePM1 70%/ePM1 70% (ex. F7/F7) CTRL-DPH + post mixed water coil | batería de agua mixta post

| Code | Código | Model | Modelo | R.R.P. € | P.V.P. € |
|------|-------------------|-------------|--------------------------------|----------|-----------|
| | CIR10RV1PHBAMF7 | CIRKEDO EEC | V 1000 CTRL-DPH BAM RV1 | | 10.690,80 |
| | CIR20RV1PHBAMF7 | CIRKEDO EEC | V 2000 CTRL-DPH BAM RV1 | | 12.219,40 |
| | CIR22RV1PHBAMF7 | CIRKEDO EEC | V 2200 CTRL-DPH BAM RV1 | | 16.067,30 |
| | CIR30RV1PHBAMF7 | CIRKEDO EEC | V 3000 CTRL-DPH BAM RV1 | | 19.014,70 |
| | CIR50RV1PHBAMF7 | CIRKEDO EEC | V 5000 CTRL-DPH BAM RV1 | | 22.475,10 |
| | CIR75RV1PHBAMF7 | CIRKEDO EEC | V 7500 CTRL-DPH BAM RV1 | | 27.866,00 |
| | CIR22RV1PHBAMF7V3 | CIRKEDO EEC | V 2200 CTRL-DPH BAM RV3 (3 PZ) | | 17.378,40 |
| | CIR30RV1PHBAMF7V3 | CIRKEDO EEC | V 3000 CTRL-DPH BAM RV3 (3 PZ) | | 21.048,50 |
| | CIR50RV1PHBAMF7V3 | CIRKEDO EEC | V 5000 CTRL-DPH BAM RV3 (3 PZ) | | 24.326,80 |
| | CIR75RV1PHBAMF7V3 | CIRKEDO EEC | V 7500 CTRL-DPH BAM RV3 (3 PZ) | | 29.694,40 |

VERTICAL ePM1 70%/ePM1 70% (ex. F7/F7) CTRL-DPH + post electrical coil | batería eléctrica post

| Code | Código | Model | Modelo | R.R.P. € | P.V.P. € |
|------|------------------|-------------|-------------------------------|----------|-----------|
| | CIR10RV1PHBEF7 | CIRKEDO EEC | V 1000 CTRL-DPH BE RV1 | | 10.030,20 |
| | CIR20RV1PHBEF7 | CIRKEDO EEC | V 2000 CTRL-DPH BE RV1 | | 11.601,20 |
| | CIR22RV1PHBEF7 | CIRKEDO EEC | V 2200 CTRL-DPH BE RV1 | | 15.100,30 |
| | CIR30RV1PHBEF7 | CIRKEDO EEC | V 3000 CTRL-DPH BE RV1 | | 18.283,10 |
| | CIR50RV1PHBEF7 | CIRKEDO EEC | V 5000 CTRL-DPH BE RV1 | | 21.770,10 |
| | CIR75RV1PHBEF7 | CIRKEDO EEC | V 7500 CTRL-DPH BE RV1 | | 26.833,60 |
| | CIR22RV1PHBEF7V3 | CIRKEDO EEC | V 2200 CTRL-DPH BE RV3 (3 PZ) | | 16.411,40 |
| | CIR30RV1PHBEF7V3 | CIRKEDO EEC | V 3000 CTRL-DPH BE RV3 (3 PZ) | | 20.318,10 |
| | CIR50RV1PHBEF7V3 | CIRKEDO EEC | V 5000 CTRL-DPH BE RV3 (3 PZ) | | 23.621,80 |
| | CIR75RV1PHBEF7V3 | CIRKEDO EEC | V 7500 CTRL-DPH BE RV3 (3 PZ) | | 28.662,00 |

VERTICAL ePM1 70%/ePM1 70% (ex. F7/F7) CTRL-DPH + post heating water coil | batería de agua caliente post

| Code | Código | Model | Modelo | R.R.P. € | P.V.P. € |
|------|------------------|-------------|-------------------------------|----------|-----------|
| | CIR10RV1PHBAF7 | CIRKEDO EEC | V 1000 CTRL-DPH BA RV1 | | 9.822,70 |
| | CIR20RV1PHBAF7 | CIRKEDO EEC | V 2000 CTRL-DPH BA RV1 | | 11.346,90 |
| | CIR22RV1PHBAF7 | CIRKEDO EEC | V 2200 CTRL-DPH BA RV1 | | 15.834,10 |
| | CIR30RV1PHBAF7 | CIRKEDO EEC | V 3000 CTRL-DPH BA RV1 | | 18.857,00 |
| | CIR50RV1PHBAF7 | CIRKEDO EEC | V 5000 CTRL-DPH BA RV1 | | 22.295,20 |
| | CIR75RV1PHBAF7 | CIRKEDO EEC | V 7500 CTRL-DPH BA RV1 | | 27.027,80 |
| | CIR22RV1PHBAF7V3 | CIRKEDO EEC | V 2200 CTRL-DPH BA RV3 (3 PZ) | | 17.145,20 |
| | CIR30RV1PHBAF7V3 | CIRKEDO EEC | V 3000 CTRL-DPH BA RV3 (3 PZ) | | 20.890,80 |
| | CIR50RV1PHBAF7V3 | CIRKEDO EEC | V 5000 CTRL-DPH BA RV3 (3 PZ) | | 24.148,10 |
| | CIR75RV1PHBAF7V3 | CIRKEDO EEC | V 7500 CTRL-DPH BA RV3 (3 PZ) | | 28.856,20 |

| VERTICAL ePM1 70%/ePM1 70% (ex. F7/F7) Standard CTRL-MAX2 without coils sin baterías | | | | |
|--|------------------|-------------|-----------------------------------|-------------------|
| Code | Código | Model | Modelo | R.R.P € P.V.P € |
| | CIR10RV1MX00F7 | CIRKEDO EEC | V 1000 CTRL MAX2/RS485 RV1 | 9.548,40 |
| | CIR20RV1MX00F7 | CIRKEDO EEC | V 2000 CTRL MAX2/RS485 RV1 | 10.986,10 |
| | CIR22RV1MX00F7 | CIRKEDO EEC | V 2200 CTRL MAX2/RS485 RV1 | 13.941,30 |
| | CIR30RV1MX00F7 | CIRKEDO EEC | V 3000 CTRL MAX2/RS485 RV1 | 16.757,70 |
| | CIR50RV1MX00F7 | CIRKEDO EEC | V 5000 CTRL MAX2/RS485 RV1 | 19.968,30 |
| | CIR75RV1MX00F7 | CIRKEDO EEC | V 7500 CTRL MAX2/RS485 RV1 | 24.367,80 |
| | CIR22RV1MX00F7V3 | CIRKEDO EEC | V 2200 CTRL MAX2/RS485 RV3 (3 PZ) | 15.252,40 |
| | CIR30RV1MX00F7V3 | CIRKEDO EEC | V 3000 CTRL MAX2/RS485 RV3 (3 PZ) | 18.791,50 |
| | CIR50RV1MX00F7V3 | CIRKEDO EEC | V 5000 CTRL MAX2/RS485 RV3 (3 PZ) | 21.821,20 |
| | CIR75RV1MX00F7V3 | CIRKEDO EEC | V 7500 CTRL MAX2/RS485 RV3 (3 PZ) | 26.196,30 |

| VERTICAL ePM1 70%/ePM1 70% (ex. F7/F7) CTRL-MAX2 + post mixed water coil batería de agua mixta post | | | | |
|---|-------------------|-------------|---------------------------------------|-------------------|
| Code | Código | Model | Modelo | R.R.P € P.V.P € |
| | CIR10RV1MXBAMF7 | CIRKEDO EEC | V 1000 CTRL MAX2/RS485 BAM RV1 | 11.002,80 |
| | CIR20RV1MXBAMF7 | CIRKEDO EEC | V 2000 CTRL MAX2/RS485 BAM RV1 | 12.493,60 |
| | CIR22RV1MXBAMF7 | CIRKEDO EEC | V 2200 CTRL MAX2/RS485 BAM RV1 | 16.378,10 |
| | CIR30RV1MXBAMF7 | CIRKEDO EEC | V 3000 CTRL MAX2/RS485 BAM RV1 | 19.326,70 |
| | CIR50RV1MXBAMF7 | CIRKEDO EEC | V 5000 CTRL MAX2/RS485 BAM RV1 | 22.786,00 |
| | CIR75RV1MXBAMF7 | CIRKEDO EEC | V 7500 CTRL MAX2/RS485 BAM RV1 | 28.176,80 |
| | CIR22RV1MXBAMF7V3 | CIRKEDO EEC | V 2200 CTRL MAX2/RS485 BAM RV3 (3 PZ) | 17.689,10 |
| | CIR30RV1MXBAMF7V3 | CIRKEDO EEC | V 3000 CTRL MAX2/RS485 BAM RV3 (3 PZ) | 21.360,50 |
| | CIR50RV1MXBAMF7V3 | CIRKEDO EEC | V 5000 CTRL MAX2/RS485 BAM RV3 (3 PZ) | 24.638,70 |
| | CIR75RV1MXBAMF7V3 | CIRKEDO EEC | V 7500 CTRL MAX2/RS485 BAM RV3 (3 PZ) | 30.005,20 |

| VERTICAL ePM1 70%/ePM1 70% (ex. F7/F7) CTRL-MAX2 + post electrical coil batería eléctrica post | | | | |
|--|------------------|-------------|--------------------------------------|-------------------|
| Code | Código | Model | Modelo | R.R.P € P.V.P € |
| | CIR10RV1MXBEF7 | CIRKEDO EEC | V 1000 CTRL MAX2/RS485 BE RV1 | 10.341,10 |
| | CIR20RV1MXBEF7 | CIRKEDO EEC | V 2000 CTRL MAX2/RS485 BE RV1 | 11.875,30 |
| | CIR22RV1MXBEF7 | CIRKEDO EEC | V 2200 CTRL MAX2/RS485 BE RV1 | 15.412,30 |
| | CIR30RV1MXBEF7 | CIRKEDO EEC | V 3000 CTRL MAX2/RS485 BE RV1 | 18.595,00 |
| | CIR50RV1MXBEF7 | CIRKEDO EEC | V 5000 CTRL MAX2/RS485 BE RV1 | 22.081,00 |
| | CIR75RV1MXBEF7 | CIRKEDO EEC | V 7500 CTRL MAX2/RS485 BE RV1 | 27.145,50 |
| | CIR22RV1MXBEF7V3 | CIRKEDO EEC | V 2200 CTRL MAX2/RS485 BE RV3 (3 PZ) | 16.723,40 |
| | CIR30RV1MXBEF7V3 | CIRKEDO EEC | V 3000 CTRL MAX2/RS485 BE RV3 (3 PZ) | 20.628,80 |
| | CIR50RV1MXBEF7V3 | CIRKEDO EEC | V 5000 CTRL MAX2/RS485 BE RV3 (3 PZ) | 23.933,90 |
| | CIR75RV1MXBEF7V3 | CIRKEDO EEC | V 7500 CTRL MAX2/RS485 BE RV3 (3 PZ) | 28.973,90 |

| VERTICAL ePM1 70%/ePM1 70% (ex. F7/F7) CTRL-MAX2 + post heating water coil batería de agua caliente post | | | | |
|--|------------------|-------------|--------------------------------------|-------------------|
| Code | Código | Model | Modelo | R.R.P € P.V.P € |
| | CIR10RV1MXBAF7 | CIRKEDO EEC | V 1000 CTRL MAX2/RS485 BA RV1 | 10.134,60 |
| | CIR20RV1MXBAF7 | CIRKEDO EEC | V 2000 CTRL MAX2/RS485 BA RV1 | 11.621,00 |
| | CIR22RV1MXBAF7 | CIRKEDO EEC | V 2200 CTRL MAX2/RS485 BA RV1 | 16.146,10 |
| | CIR30RV1MXBAF7 | CIRKEDO EEC | V 3000 CTRL MAX2/RS485 BA RV1 | 19.167,90 |
| | CIR50RV1MXBAF7 | CIRKEDO EEC | V 5000 CTRL MAX2/RS485 BA RV1 | 22.607,20 |
| | CIR75RV1MXBAF7 | CIRKEDO EEC | V 7500 CTRL MAX2/RS485 BA RV1 | 27.338,70 |
| | CIR22RV1MXBAF7V3 | CIRKEDO EEC | V 2200 CTRL MAX2/RS485 BA RV3 (3 PZ) | 17.456,10 |
| | CIR30RV1MXBAF7V3 | CIRKEDO EEC | V 3000 CTRL MAX2/RS485 BA RV3 (3 PZ) | 21.202,80 |
| | CIR50RV1MXBAF7V3 | CIRKEDO EEC | V 5000 CTRL MAX2/RS485 BA RV3 (3 PZ) | 24.459,00 |
| | CIR75RV1MXBAF7V3 | CIRKEDO EEC | V 7500 CTRL MAX2/RS485 BA RV3 (3 PZ) | 29.167,10 |

| VERTICAL ePM1 70%/ePM1 70% (ex. F7/F7) Standard CTRL-DPH without coils sin baterías + simple Kit COP | | | | |
|--|-------------------|-------------|------------------------------------|-------------------|
| Code | Código | Model | Modelo | R.R.P € P.V.P € |
| | CIR10RV1PH00PF7 | CIRKEDO EEC | V 1000 CTRL-DPH RV1 Kit COP | 9.642,80 |
| | CIR20RV1PH00PF7 | CIRKEDO EEC | V 2000 CTRL-DPH RV1 Kit COP | 11.118,20 |
| | CIR22RV1PH00PF7 | CIRKEDO EEC | V 2200 CTRL-DPH RV1 Kit COP | 14.036,80 |
| | CIR30RV1PH00PF7 | CIRKEDO EEC | V 3000 CTRL-DPH RV1 Kit COP | 16.852,10 |
| | CIR50RV1PH00PF7 | CIRKEDO EEC | V 5000 CTRL-DPH RV1 Kit COP | 20.063,80 |
| | CIR75RV1PH00PF7 | CIRKEDO EEC | V 7500 CTRL-DPH RV1 Kit COP | 24.462,20 |
| | CIR22RV1PH00PF7V3 | CIRKEDO EEC | V 2200 CTRL-DPH RV3 (3 PZ) Kit COP | 15.346,80 |
| | CIR30RV1PH00PF7V3 | CIRKEDO EEC | V 3000 CTRL-DPH RV3 (3 PZ) Kit COP | 18.885,90 |
| | CIR50RV1PH00PF7V3 | CIRKEDO EEC | V 5000 CTRL-DPH RV3 (3 PZ) Kit COP | 21.915,50 |
| | CIR75RV1PH00PF7V3 | CIRKEDO EEC | V 7500 CTRL-DPH RV3 (3 PZ) Kit COP | 26.290,60 |

| VERTICAL ePM1 70%/ePM1 70% (ex. F7/F7) CTRL-DPH + post mixed water coil batería de agua mixta post + simple Kit COP | | | | |
|---|--------------------|-------------|--|-------------------|
| Code | Código | Model | Modelo | R.R.P € P.V.P € |
| | CIR10RV1PHBAMPF7 | CIRKEDO EEC | V 1000 CTRL-DPH BAM RV1 Kit COP | 11.097,10 |
| | CIR20RV1PHBAMPF7 | CIRKEDO EEC | V 2000 CTRL-DPH BAM RV1 Kit COP | 12.625,70 |
| | CIR22RV1PHBAMPF7 | CIRKEDO EEC | V 2200 CTRL-DPH BAM RV1 Kit COP | 16.473,60 |
| | CIR30RV1PHBAMPF7 | CIRKEDO EEC | V 3000 CTRL-DPH BAM RV1 Kit COP | 19.421,00 |
| | CIR50RV1PHBAMPF7 | CIRKEDO EEC | V 5000 CTRL-DPH BAM RV1 Kit COP | 22.881,40 |
| | CIR75RV1PHBAMPF7 | CIRKEDO EEC | V 7500 CTRL-DPH BAM RV1 Kit COP | 28.272,30 |
| | CIR22RV1PHBAMPF7V3 | CIRKEDO EEC | V 2200 CTRL-DPH BAM RV3 (3 PZ) Kit COP | 17.784,70 |
| | CIR30RV1PHBAMPF7V3 | CIRKEDO EEC | V 3000 CTRL-DPH BAM RV3 (3 PZ) Kit COP | 21.454,80 |
| | CIR50RV1PHBAMPF7V3 | CIRKEDO EEC | V 5000 CTRL-DPH BAM RV3 (3 PZ) Kit COP | 24.733,10 |
| | CIR75RV1PHBAMPF7V3 | CIRKEDO EEC | V 7500 CTRL-DPH BAM RV3 (3 PZ) Kit COP | 30.100,70 |

VERTICAL ePM1 70%/ePM1 70% (ex. F7/F7) CTRL-DPH + post electrical coil | batería eléctrica post + simple Kit COP

| Code | Código | Model | Modelo | R.R.P. € | P.V.P. € |
|------|-------------------|-------------|---------------------------------------|----------|-----------|
| | CIR10RV1PHBEPF7 | CIRKEDO EEC | V 1000 CTRL-DPH BE RV1 Kit COP | | 10.436,60 |
| | CIR20RV1PHBEPF7 | CIRKEDO EEC | V 2000 CTRL-DPH BE RV1 Kit COP | | 12.007,50 |
| | CIR22RV1PHBEPF7 | CIRKEDO EEC | V 2200 CTRL-DPH BE RV1 Kit COP | | 15.506,60 |
| | CIR30RV1PHBEPF7 | CIRKEDO EEC | V 3000 CTRL-DPH BE RV1 Kit COP | | 18.689,40 |
| | CIR50RV1PHBEPF7 | CIRKEDO EEC | V 5000 CTRL-DPH BE RV1 Kit COP | | 22.176,40 |
| | CIR75RV1PHBEPF7 | CIRKEDO EEC | V 7500 CTRL-DPH BE RV1 Kit COP | | 27.239,90 |
| | CIR22RV1PHBEPF7V3 | CIRKEDO EEC | V 2200 CTRL-DPH BE RV3 (3 PZ) Kit COP | | 16.817,70 |
| | CIR30RV1PHBEPF7V3 | CIRKEDO EEC | V 3000 CTRL-DPH BE RV3 (3 PZ) Kit COP | | 20.724,40 |
| | CIR50RV1PHBEPF7V3 | CIRKEDO EEC | V 5000 CTRL-DPH BE RV3 (3 PZ) Kit COP | | 24.028,20 |
| | CIR75RV1PHBEPF7V3 | CIRKEDO EEC | V 7500 CTRL-DPH BE RV3 (3 PZ) Kit COP | | 29.068,30 |

VERTICAL ePM1 70%/ePM1 70% (ex. F7/F7) CTRL-DPH + post heating water coil | batería de agua caliente post + simple Kit COP

| Code | Código | Model | Modelo | R.R.P. € | P.V.P. € |
|------|-------------------|-------------|---------------------------------------|----------|-----------|
| | CIR10RV1PHBAPF7 | CIRKEDO EEC | V 1000 CTRL-DPH BA RV1 Kit COP | | 10.229,00 |
| | CIR20RV1PHBAPF7 | CIRKEDO EEC | V 2000 CTRL-DPH BA RV1 Kit COP | | 11.753,20 |
| | CIR22RV1PHBAPF7 | CIRKEDO EEC | V 2200 CTRL-DPH BA RV1 Kit COP | | 16.240,40 |
| | CIR30RV1PHBAPF7 | CIRKEDO EEC | V 3000 CTRL-DPH BA RV1 Kit COP | | 19.263,40 |
| | CIR50RV1PHBAPF7 | CIRKEDO EEC | V 5000 CTRL-DPH BA RV1 Kit COP | | 22.701,50 |
| | CIR75RV1PHBAPF7 | CIRKEDO EEC | V 7500 CTRL-DPH BA RV1 Kit COP | | 27.434,10 |
| | CIR22RV1PHBAPF7V3 | CIRKEDO EEC | V 2200 CTRL-DPH BA RV3 (3 PZ) Kit COP | | 17.551,50 |
| | CIR30RV1PHBAPF7V3 | CIRKEDO EEC | V 3000 CTRL-DPH BA RV3 (3 PZ) Kit COP | | 21.297,10 |
| | CIR50RV1PHBAPF7V3 | CIRKEDO EEC | V 5000 CTRL-DPH BA RV3 (3 PZ) Kit COP | | 24.554,40 |
| | CIR75RV1PHBAPF7V3 | CIRKEDO EEC | V 7500 CTRL-DPH BA RV3 (3 PZ) Kit COP | | 29.262,50 |

VERTICAL ePM1 70%/ePM1 70% (ex. F7/F7) Standard CTRL-MAX2 without coils | sin baterías + simple Kit COP

| Code | Código | Model | Modelo | R.R.P. € | P.V.P. € |
|------|-------------------|-------------|---|----------|-----------|
| | CIR10RV1MX00PF7 | CIRKEDO EEC | V 1000 CTRL MAX2/RS485 RV1 Kit COP | | 9.954,80 |
| | CIR20RV1MX00PF7 | CIRKEDO EEC | V 2000 CTRL MAX2/RS485 RV1 Kit COP | | 11.392,40 |
| | CIR22RV1MX00PF7 | CIRKEDO EEC | V 2200 CTRL MAX2/RS485 RV1 Kit COP | | 14.347,60 |
| | CIR30RV1MX00PF7 | CIRKEDO EEC | V 3000 CTRL MAX2/RS485 RV1 Kit COP | | 17.164,10 |
| | CIR50RV1MX00PF7 | CIRKEDO EEC | V 5000 CTRL MAX2/RS485 RV1 Kit COP | | 20.374,60 |
| | CIR75RV1MX00PF7 | CIRKEDO EEC | V 7500 CTRL MAX2/RS485 RV1 Kit COP | | 24.774,10 |
| | CIR22RV1MX00PF7V3 | CIRKEDO EEC | V 2200 CTRL MAX2/RS485 RV3 (3 PZ) Kit COP | | 15.658,70 |
| | CIR30RV1MX00PF7V3 | CIRKEDO EEC | V 3000 CTRL MAX2/RS485 RV3 (3 PZ) Kit COP | | 19.197,80 |
| | CIR50RV1MX00PF7V3 | CIRKEDO EEC | V 5000 CTRL MAX2/RS485 RV3 (3 PZ) Kit COP | | 22.227,50 |
| | CIR75RV1MX00PF7V3 | CIRKEDO EEC | V 7500 CTRL MAX2/RS485 RV3 (3 PZ) Kit COP | | 26.602,60 |

VERTICAL ePM1 70%/ePM1 70% (ex. F7/F7) CTRL-MAX2 + post mixed water coil | batería de agua mixta post + simple Kit COP

| Code | Código | Model | Modelo | R.R.P. € | P.V.P. € |
|------|--------------------|-------------|---|----------|-----------|
| | CIR10RV1MXBAMPF7 | CIRKEDO EEC | V 1000 CTRL MAX2/RS485 BAM RV1 Kit COP | | 11.409,10 |
| | CIR20RV1MXBAMPF7 | CIRKEDO EEC | V 2000 CTRL MAX2/RS485 BAM RV1 Kit COP | | 12.900,00 |
| | CIR22RV1MXBAMPF7 | CIRKEDO EEC | V 2200 CTRL MAX2/RS485 BAM RV1 Kit COP | | 16.784,40 |
| | CIR30RV1MXBAMPF7 | CIRKEDO EEC | V 3000 CTRL MAX2/RS485 BAM RV1 Kit COP | | 19.733,00 |
| | CIR50RV1MXBAMPF7 | CIRKEDO EEC | V 5000 CTRL MAX2/RS485 BAM RV1 Kit COP | | 23.192,30 |
| | CIR75RV1MXBAMPF7 | CIRKEDO EEC | V 7500 CTRL MAX2/RS485 BAM RV1 Kit COP | | 28.583,20 |
| | CIR22RV1MXBAMPF7V3 | CIRKEDO EEC | V 2200 CTRL MAX2/RS485 BAM RV3 (3 PZ) Kit COP | | 18.095,60 |
| | CIR30RV1MXBAMPF7V3 | CIRKEDO EEC | V 3000 CTRL MAX2/RS485 BAM RV3 (3 PZ) Kit COP | | 21.766,80 |
| | CIR50RV1MXBAMPF7V3 | CIRKEDO EEC | V 5000 CTRL MAX2/RS485 BAM RV3 (3 PZ) Kit COP | | 25.045,10 |
| | CIR75RV1MXBAMPF7V3 | CIRKEDO EEC | V 7500 CTRL MAX2/RS485 BAM RV3 (3 PZ) Kit COP | | 30.411,50 |

VERTICAL ePM1 70%/ePM1 70% (ex. F7/F7) CTRL-MAX2 + post electrical coil | batería eléctrica post + simple Kit COP

| Code | Código | Model | Modelo | R.R.P. € | P.V.P. € |
|------|-------------------|-------------|--|----------|-----------|
| | CIR10RV1MXBEPF7 | CIRKEDO EEC | V 1000 CTRL MAX2/RS485 BE RV1 Kit COP | | 10.747,40 |
| | CIR20RV1MXBEPF7 | CIRKEDO EEC | V 2000 CTRL MAX2/RS485 BE RV1 Kit COP | | 12.281,70 |
| | CIR22RV1MXBEPF7 | CIRKEDO EEC | V 2200 CTRL MAX2/RS485 BE RV1 Kit COP | | 15.818,60 |
| | CIR30RV1MXBEPF7 | CIRKEDO EEC | V 3000 CTRL MAX2/RS485 BE RV1 Kit COP | | 19.001,30 |
| | CIR50RV1MXBEPF7 | CIRKEDO EEC | V 5000 CTRL MAX2/RS485 BE RV1 Kit COP | | 22.487,30 |
| | CIR75RV1MXBEPF7 | CIRKEDO EEC | V 7500 CTRL MAX2/RS485 BE RV1 Kit COP | | 27.551,80 |
| | CIR22RV1MXBEPF7V3 | CIRKEDO EEC | V 2200 CTRL MAX2/RS485 BE RV3 (3 PZ) Kit COP | | 17.129,70 |
| | CIR30RV1MXBEPF7V3 | CIRKEDO EEC | V 3000 CTRL MAX2/RS485 BE RV3 (3 PZ) Kit COP | | 21.035,20 |
| | CIR50RV1MXBEPF7V3 | CIRKEDO EEC | V 5000 CTRL MAX2/RS485 BE RV3 (3 PZ) Kit COP | | 24.340,20 |
| | CIR75RV1MXBEPF7V3 | CIRKEDO EEC | V 7500 CTRL MAX2/RS485 BE RV3 (3 PZ) Kit COP | | 29.380,20 |

VERTICAL ePM1 70%/ePM1 70% (ex. F7/F7) CTRL-MAX2 + post heating water coil | batería de agua caliente post + simple Kit COP

| Code | Código | Model | Modelo | R.R.P. € | P.V.P. € |
|------|-------------------|-------------|--|----------|-----------|
| | CIR10RV1MXBAPF7 | CIRKEDO EEC | V 1000 CTRL MAX2/RS485 BA RV1 Kit COP | | 10.540,90 |
| | CIR20RV1MXBAPF7 | CIRKEDO EEC | V 2000 CTRL MAX2/RS485 BA RV1 Kit COP | | 12.027,50 |
| | CIR22RV1MXBAPF7 | CIRKEDO EEC | V 2200 CTRL MAX2/RS485 BA RV1 Kit COP | | 16.552,40 |
| | CIR30RV1MXBAPF7 | CIRKEDO EEC | V 3000 CTRL MAX2/RS485 BA RV1 Kit COP | | 19.574,20 |
| | CIR50RV1MXBAPF7 | CIRKEDO EEC | V 5000 CTRL MAX2/RS485 BA RV1 Kit COP | | 23.013,50 |
| | CIR75RV1MXBAPF7 | CIRKEDO EEC | V 7500 CTRL MAX2/RS485 BA RV1 Kit COP | | 27.745,00 |
| | CIR22RV1MXBAPF7V3 | CIRKEDO EEC | V 2200 CTRL MAX2/RS485 BA RV3 (3 PZ) Kit COP | | 17.862,40 |
| | CIR30RV1MXBAPF7V3 | CIRKEDO EEC | V 3000 CTRL MAX2/RS485 BA RV3 (3 PZ) Kit COP | | 21.609,20 |
| | CIR50RV1MXBAPF7V3 | CIRKEDO EEC | V 5000 CTRL MAX2/RS485 BA RV3 (3 PZ) Kit COP | | 24.865,30 |
| | CIR75RV1MXBAPF7V3 | CIRKEDO EEC | V 7500 CTRL MAX2/RS485 BA RV3 (3 PZ) Kit COP | | 29.573,40 |

| VERTICAL ePM1 70%/ePM1 70% (ex. F7/F7) Standard CTRL-DPH without coils sin baterías + simple Kit CAV | | | |
|--|-------------------|--|---------------------|
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| | CIR10RV1PH00QF7 | CIRKEDO EEC V 1000 CTRL-DPH RV1 KIT CAV | 9.777,20 |
| | CIR20RV1PH00QF7 | CIRKEDO EEC V 2000 CTRL-DPH RV1 KIT CAV | 11.282,50 |
| | CIR22RV1PH00QF7 | CIRKEDO EEC V 2200 CTRL-DPH RV1 KIT CAV | 13.930,20 |
| | CIR30RV1PH00QF7 | CIRKEDO EEC V 3000 CTRL-DPH RV1 KIT CAV | 16.745,50 |
| | CIR50RV1PH00QF7 | CIRKEDO EEC V 5000 CTRL-DPH RV1 KIT CAV | 19.957,30 |
| | CIR75RV1PH00QF7 | CIRKEDO EEC V 7500 CTRL-DPH RV1 KIT CAV | 24.355,60 |
| | CIR22RV1PH00QF7V3 | CIRKEDO EEC V 2200 CTRL-DPH RV3 (3 PZ) KIT CAV | 15.240,20 |
| | CIR30RV1PH00QF7V3 | CIRKEDO EEC V 3000 CTRL-DPH RV3 (3 PZ) KIT CAV | 18.779,30 |
| | CIR50RV1PH00QF7V3 | CIRKEDO EEC V 5000 CTRL-DPH RV3 (3 PZ) KIT CAV | 21.808,90 |
| | CIR75RV1PH00QF7V3 | CIRKEDO EEC V 7500 CTRL-DPH RV3 (3 PZ) KIT CAV | 26.184,10 |

| VERTICAL ePM1 70%/ePM1 70% (ex. F7/F7) CTRL-DPH + post mixed water coil batería de agua mixta post + simple Kit CAV | | | |
|---|--------------------|--|---------------------|
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| | CIR10RV1PHBAMQF7 | CIRKEDO EEC V 1000 CTRL-DPH BAM RV1 KIT CAV | 11.231,40 |
| | CIR20RV1PHBAMQF7 | CIRKEDO EEC V 2000 CTRL-DPH BAM RV1 KIT CAV | 12.790,10 |
| | CIR22RV1PHBAMQF7 | CIRKEDO EEC V 2200 CTRL-DPH BAM RV1 KIT CAV | 16.367,00 |
| | CIR30RV1PHBAMQF7 | CIRKEDO EEC V 3000 CTRL-DPH BAM RV1 KIT CAV | 19.314,50 |
| | CIR50RV1PHBAMQF7 | CIRKEDO EEC V 5000 CTRL-DPH BAM RV1 KIT CAV | 22.774,80 |
| | CIR75RV1PHBAMQF7 | CIRKEDO EEC V 7500 CTRL-DPH BAM RV1 KIT CAV | 28.165,70 |
| | CIR22RV1PHBAMQF7V3 | CIRKEDO EEC V 2200 CTRL-DPH BAM RV3 (3 PZ) KIT CAV | 17.678,10 |
| | CIR30RV1PHBAMQF7V3 | CIRKEDO EEC V 3000 CTRL-DPH BAM RV3 (3 PZ) KIT CAV | 21.348,30 |
| | CIR50RV1PHBAMQF7V3 | CIRKEDO EEC V 5000 CTRL-DPH BAM RV3 (3 PZ) KIT CAV | 24.626,50 |
| | CIR75RV1PHBAMQF7V3 | CIRKEDO EEC V 7500 CTRL-DPH BAM RV3 (3 PZ) KIT CAV | 29.994,20 |

| VERTICAL ePM1 70%/ePM1 70% (ex. F7/F7) CTRL-DPH + post electrical coil batería eléctrica post + simple Kit CAV | | | |
|--|-------------------|---|---------------------|
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| | CIR10RV1PHBEQF7 | CIRKEDO EEC V 1000 CTRL-DPH BE RV1 KIT CAV | 10.570,90 |
| | CIR20RV1PHBEQF7 | CIRKEDO EEC V 2000 CTRL-DPH BE RV1 KIT CAV | 12.171,80 |
| | CIR22RV1PHBEQF7 | CIRKEDO EEC V 2200 CTRL-DPH BE RV1 KIT CAV | 15.400,00 |
| | CIR30RV1PHBEQF7 | CIRKEDO EEC V 3000 CTRL-DPH BE RV1 KIT CAV | 18.582,80 |
| | CIR50RV1PHBEQF7 | CIRKEDO EEC V 5000 CTRL-DPH BE RV1 KIT CAV | 22.069,90 |
| | CIR75RV1PHBEQF7 | CIRKEDO EEC V 7500 CTRL-DPH BE RV1 KIT CAV | 27.133,30 |
| | CIR22RV1PHBEQF7V3 | CIRKEDO EEC V 2200 CTRL-DPH BE RV3 (3 PZ) KIT CAV | 16.711,20 |
| | CIR30RV1PHBEQF7V3 | CIRKEDO EEC V 3000 CTRL-DPH BE RV3 (3 PZ) KIT CAV | 20.617,80 |
| | CIR50RV1PHBEQF7V3 | CIRKEDO EEC V 5000 CTRL-DPH BE RV3 (3 PZ) KIT CAV | 23.921,60 |
| | CIR75RV1PHBEQF7V3 | CIRKEDO EEC V 7500 CTRL-DPH BE RV3 (3 PZ) KIT CAV | 28.961,70 |

| VERTICAL ePM1 70%/ePM1 70% (ex. F7/F7) CTRL-DPH + post heating water coil batería de agua caliente post + simple Kit CAV | | | |
|--|-------------------|---|---------------------|
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| | CIR10RV1PHBAQF7 | CIRKEDO EEC V 1000 CTRL-DPH BA RV1 KIT CAV | 10.363,30 |
| | CIR20RV1PHBAQF7 | CIRKEDO EEC V 2000 CTRL-DPH BA RV1 KIT CAV | 11.917,50 |
| | CIR22RV1PHBAQF7 | CIRKEDO EEC V 2200 CTRL-DPH BA RV1 KIT CAV | 16.133,90 |
| | CIR30RV1PHBAQF7 | CIRKEDO EEC V 3000 CTRL-DPH BA RV1 KIT CAV | 19.156,80 |
| | CIR50RV1PHBAQF7 | CIRKEDO EEC V 5000 CTRL-DPH BA RV1 KIT CAV | 22.595,00 |
| | CIR75RV1PHBAQF7 | CIRKEDO EEC V 7500 CTRL-DPH BA RV1 KIT CAV | 27.327,50 |
| | CIR22RV1PHBAQF7V3 | CIRKEDO EEC V 2200 CTRL-DPH BA RV3 (3 PZ) KIT CAV | 17.445,00 |
| | CIR30RV1PHBAQF7V3 | CIRKEDO EEC V 3000 CTRL-DPH BA RV3 (3 PZ) KIT CAV | 21.190,60 |
| | CIR50RV1PHBAQF7V3 | CIRKEDO EEC V 5000 CTRL-DPH BA RV3 (3 PZ) KIT CAV | 24.447,80 |
| | CIR75RV1PHBAQF7V3 | CIRKEDO EEC V 7500 CTRL-DPH BA RV3 (3 PZ) KIT CAV | 29.155,90 |

| VERTICAL ePM1 70%/ePM1 70% (ex. F7/F7) Standard CTRL-MAX2 without coils sin baterías + simple Kit CAV | | | |
|---|-------------------|---|---------------------|
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| | CIR10RV1MX00QF7 | CIRKEDO EEC V 1000 CTRL MAX2/RS485 RV1 KIT CAV | 10.089,10 |
| | CIR20RV1MX00QF7 | CIRKEDO EEC V 2000 CTRL MAX2/RS485 RV1 KIT CAV | 11.556,70 |
| | CIR22RV1MX00QF7 | CIRKEDO EEC V 2200 CTRL MAX2/RS485 RV1 KIT CAV | 14.241,00 |
| | CIR30RV1MX00QF7 | CIRKEDO EEC V 3000 CTRL MAX2/RS485 RV1 KIT CAV | 17.057,50 |
| | CIR50RV1MX00QF7 | CIRKEDO EEC V 5000 CTRL MAX2/RS485 RV1 KIT CAV | 20.268,00 |
| | CIR75RV1MX00QF7 | CIRKEDO EEC V 7500 CTRL MAX2/RS485 RV1 KIT CAV | 24.667,70 |
| | CIR22RV1MX00QF7V3 | CIRKEDO EEC V 2200 CTRL MAX2/RS485 RV3 (3 PZ) KIT CAV | 15.552,10 |
| | CIR30RV1MX00QF7V3 | CIRKEDO EEC V 3000 CTRL MAX2/RS485 RV3 (3 PZ) KIT CAV | 19.091,30 |
| | CIR50RV1MX00QF7V3 | CIRKEDO EEC V 5000 CTRL MAX2/RS485 RV3 (3 PZ) KIT CAV | 22.120,90 |
| | CIR75RV1MX00QF7V3 | CIRKEDO EEC V 7500 CTRL MAX2/RS485 RV3 (3 PZ) KIT CAV | 26.496,00 |

| VERTICAL ePM1 70%/ePM1 70% (ex. F7/F7) CTRL-MAX2 + post mixed water coil batería de agua mixta post + simple Kit CAV | | | |
|--|--------------------|---|---------------------|
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| | CIR10RV1MXBAMQF7 | CIRKEDO EEC V 1000 CTRL MAX2/RS485 BAM RV1 KIT CAV | 11.543,30 |
| | CIR20RV1MXBAMQF7 | CIRKEDO EEC V 2000 CTRL MAX2/RS485 BAM RV1 KIT CAV | 13.064,20 |
| | CIR22RV1MXBAMQF7 | CIRKEDO EEC V 2200 CTRL MAX2/RS485 BAM RV1 KIT CAV | 16.677,90 |
| | CIR30RV1MXBAMQF7 | CIRKEDO EEC V 3000 CTRL MAX2/RS485 BAM RV1 KIT CAV | 19.626,40 |
| | CIR50RV1MXBAMQF7 | CIRKEDO EEC V 5000 CTRL MAX2/RS485 BAM RV1 KIT CAV | 23.085,70 |
| | CIR75RV1MXBAMQF7 | CIRKEDO EEC V 7500 CTRL MAX2/RS485 BAM RV1 KIT CAV | 28.476,60 |
| | CIR22RV1MXBAMQF7V3 | CIRKEDO EEC V 2200 CTRL MAX2/RS485 BAM RV3 (3 PZ) KIT CAV | 17.989,00 |
| | CIR30RV1MXBAMQF7V3 | CIRKEDO EEC V 3000 CTRL MAX2/RS485 BAM RV3 (3 PZ) KIT CAV | 21.660,20 |
| | CIR50RV1MXBAMQF7V3 | CIRKEDO EEC V 5000 CTRL MAX2/RS485 BAM RV3 (3 PZ) KIT CAV | 24.938,50 |
| | CIR75RV1MXBAMQF7V3 | CIRKEDO EEC V 7500 CTRL MAX2/RS485 BAM RV3 (3 PZ) KIT CAV | 30.304,90 |

| VERTICAL ePM1 70%/ePM1 70% (ex. F7/F7) CTRL-MAX2 + post electrical coil batería eléctrica post + simple Kit CAV | | | |
|---|-------------------|--|---------------------|
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| | CIR10RV1MXBEQF7 | CIRKEDO EEC V 1000 CTRL MAX2/RS485 BE RV1 KIT CAV | 10.881,70 |
| | CIR20RV1MXBEQF7 | CIRKEDO EEC V 2000 CTRL MAX2/RS485 BE RV1 KIT CAV | 12.446,00 |
| | CIR22RV1MXBEQF7 | CIRKEDO EEC V 2200 CTRL MAX2/RS485 BE RV1 KIT CAV | 15.712,00 |
| | CIR30RV1MXBEQF7 | CIRKEDO EEC V 3000 CTRL MAX2/RS485 BE RV1 KIT CAV | 18.894,90 |
| | CIR50RV1MXBEQF7 | CIRKEDO EEC V 5000 CTRL MAX2/RS485 BE RV1 KIT CAV | 22.380,70 |
| | CIR75RV1MXBEQF7 | CIRKEDO EEC V 7500 CTRL MAX2/RS485 BE RV1 KIT CAV | 27.445,20 |
| | CIR22RV1MXBEQF7V3 | CIRKEDO EEC V 2200 CTRL MAX2/RS485 BE RV3 (3 PZ) KIT CAV | 17.023,10 |
| | CIR30RV1MXBEQF7V3 | CIRKEDO EEC V 3000 CTRL MAX2/RS485 BE RV3 (3 PZ) KIT CAV | 20.928,70 |
| | CIR50RV1MXBEQF7V3 | CIRKEDO EEC V 5000 CTRL MAX2/RS485 BE RV3 (3 PZ) KIT CAV | 24.233,60 |
| | CIR75RV1MXBEQF7V3 | CIRKEDO EEC V 7500 CTRL MAX2/RS485 BE RV3 (3 PZ) KIT CAV | 29.273,70 |

| VERTICAL ePM1 70%/ePM1 70% (ex. F7/F7) CTRL-MAX2 + post heating water coil batería de agua caliente post + simple Kit CAV | | | |
|---|-------------------|--|---------------------|
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| | CIR10RV1MXBAQF7 | CIRKEDO EEC V 1000 CTRL MAX2/RS485 BA RV1 KIT CAV | 10.675,30 |
| | CIR20RV1MXBAQF7 | CIRKEDO EEC V 2000 CTRL MAX2/RS485 BA RV1 KIT CAV | 12.191,80 |
| | CIR22RV1MXBAQF7 | CIRKEDO EEC V 2200 CTRL MAX2/RS485 BA RV1 KIT CAV | 16.445,80 |
| | CIR30RV1MXBAQF7 | CIRKEDO EEC V 3000 CTRL MAX2/RS485 BA RV1 KIT CAV | 19.467,60 |
| | CIR50RV1MXBAQF7 | CIRKEDO EEC V 5000 CTRL MAX2/RS485 BA RV1 KIT CAV | 22.906,90 |
| | CIR75RV1MXBAQF7 | CIRKEDO EEC V 7500 CTRL MAX2/RS485 BA RV1 KIT CAV | 27.638,40 |
| | CIR22RV1MXBAQF7V3 | CIRKEDO EEC V 2200 CTRL MAX2/RS485 BA RV3 (3 PZ) KIT CAV | 17.755,80 |
| | CIR30RV1MXBAQF7V3 | CIRKEDO EEC V 3000 CTRL MAX2/RS485 BA RV3 (3 PZ) KIT CAV | 21.502,60 |
| | CIR50RV1MXBAQF7V3 | CIRKEDO EEC V 5000 CTRL MAX2/RS485 BA RV3 (3 PZ) KIT CAV | 24.758,70 |
| | CIR75RV1MXBAQF7V3 | CIRKEDO EEC V 7500 CTRL MAX2/RS485 BA RV3 (3 PZ) KIT CAV | 29.466,80 |

CIRKEDO EEC WALL | MURAL

| WALL MURAL ePM1 70%/ePM10>50% (ex. F7/M5) Standard CTRL-DPH without coils sin baterías | | | |
|--|------------------|--|---------------------|
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| | CIR10RM1PH00M5 | CIRKEDO EEC M 1000 CTRL-DPH RM1 | 9.163,20 |
| | CIR20RM1PH00M5 | CIRKEDO EEC M 2000 CTRL-DPH RM1 | 10.516,50 |
| | CIR22RM1PH00M5 | CIRKEDO EEC M 2200 CTRL-DPH RM1 | 13.248,50 |
| | CIR30RM1PH00M5 | CIRKEDO EEC M 3000 CTRL-DPH RM1 | 16.480,30 |
| | CIR50RM1PH00M5 | CIRKEDO EEC M 5000 CTRL-DPH RM1 | 19.744,10 |
| | CIR75RM1PH00M5 | CIRKEDO EEC M 7500 CTRL-DPH RM1 | 23.700,70 |
| | CIR22RM1PH00M5V3 | CIRKEDO EEC M 2200 CTRL-DPH RM3 (3 PZ) | 14.841,70 |
| | CIR30RM1PH00M5V3 | CIRKEDO EEC M 3000 CTRL-DPH RM3 (3 PZ) | 18.257,60 |
| | CIR50RM1PH00M5V3 | CIRKEDO EEC M 5000 CTRL-DPH RM3 (3 PZ) | 21.728,00 |
| | CIR75RM1PH00M5V3 | CIRKEDO EEC M 7500 CTRL-DPH RM3 (3 PZ) | 25.808,90 |

| WALL MURAL ePM1 70%/ePM10>50% (ex. F7/M5) CTRL-DPH + post mixed water coil batería de agua mixta post | | | |
|---|-------------------|--|---------------------|
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| | CIR10RM1PHBAMM5 | CIRKEDO EEC M 1000 CTRL-DPH BAM RM1 | 10.729,60 |
| | CIR20RM1PHBAMM5 | CIRKEDO EEC M 2000 CTRL-DPH BAM RM1 | 12.102,90 |
| | CIR22RM1PHBAMM5 | CIRKEDO EEC M 2200 CTRL-DPH BAM RM1 | 15.869,70 |
| | CIR30RM1PHBAMM5 | CIRKEDO EEC M 3000 CTRL-DPH BAM RM1 | 19.333,30 |
| | CIR50RM1PHBAMM5 | CIRKEDO EEC M 5000 CTRL-DPH BAM RM1 | 22.885,80 |
| | CIR75RM1PHBAMM5 | CIRKEDO EEC M 7500 CTRL-DPH BAM RM1 | 27.969,20 |
| | CIR22RM1PHBAMM5V3 | CIRKEDO EEC M 2200 CTRL-DPH BAM RM3 (3 PZ) | 17.260,70 |
| | CIR30RM1PHBAMM5V3 | CIRKEDO EEC M 3000 CTRL-DPH BAM RM3 (3 PZ) | 20.874,20 |
| | CIR50RM1PHBAMM5V3 | CIRKEDO EEC M 5000 CTRL-DPH BAM RM3 (3 PZ) | 24.616,50 |
| | CIR75RM1PHBAMM5V3 | CIRKEDO EEC M 7500 CTRL-DPH BAM RM3 (3 PZ) | 29.772,20 |

| WALL MURAL ePM1 70%/ePM10>50% (ex. F7/M5) CTRL-DPH + post electrical coil batería eléctrica post | | | |
|--|------------------|---|---------------------|
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| | CIR10RM1PHBEM5 | CIRKEDO EEC M 1000 CTRL-DPH BE RM1 | 9.952,50 |
| | CIR20RM1PHBEM5 | CIRKEDO EEC M 2000 CTRL-DPH BE RM1 | 11.405,70 |
| | CIR22RM1PHBEM5 | CIRKEDO EEC M 2200 CTRL-DPH BE RM1 | 14.719,50 |
| | CIR30RM1PHBEM5 | CIRKEDO EEC M 3000 CTRL-DPH BE RM1 | 18.317,60 |
| | CIR50RM1PHBEM5 | CIRKEDO EEC M 5000 CTRL-DPH BE RM1 | 21.856,70 |
| | CIR75RM1PHBEM5 | CIRKEDO EEC M 7500 CTRL-DPH BE RM1 | 26.478,30 |
| | CIR22RM1PHBEM5V3 | CIRKEDO EEC M 2200 CTRL-DPH BE RM3 (3 PZ) | 16.311,40 |
| | CIR30RM1PHBEM5V3 | CIRKEDO EEC M 3000 CTRL-DPH BE RM3 (3 PZ) | 20.094,90 |
| | CIR50RM1PHBEM5V3 | CIRKEDO EEC M 5000 CTRL-DPH BE RM3 (3 PZ) | 23.840,60 |
| | CIR75RM1PHBEM5V3 | CIRKEDO EEC M 7500 CTRL-DPH BE RM3 (3 PZ) | 28.587,60 |

| WALL MURAL ePM1 70%/ePM10>50% (ex. F7/M5) CTRL-DPH + post heating water coil batería de agua caliente post | | | |
|--|---|---------------------|--|
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| CIR10RM1PHBAM5 | CIRKEDO EEC M 1000 CTRL-DPH BA RM1 | 9.998,10 | |
| CIR20RM1PHBAM5 | CIRKEDO EEC M 2000 CTRL-DPH BA RM1 | 11.288,00 | |
| CIR22RM1PHBAM5 | CIRKEDO EEC M 2200 CTRL-DPH BA RM1 | 14.198,90 | |
| CIR30RM1PHBAM5 | CIRKEDO EEC M 3000 CTRL-DPH BA RM1 | 17.550,50 | |
| CIR50RM1PHBAM5 | CIRKEDO EEC M 5000 CTRL-DPH BA RM1 | 21.054,10 | |
| CIR75RM1PHBAM5 | CIRKEDO EEC M 7500 CTRL-DPH BA RM1 | 25.176,10 | |
| CIR22RM1PHBAM5V3 | CIRKEDO EEC M 2200 CTRL-DPH BA RM3 (3 PZ) | 15.790,80 | |
| CIR30RM1PHBAM5V3 | CIRKEDO EEC M 3000 CTRL-DPH BA RM3 (3 PZ) | 19.327,80 | |
| CIR50RM1PHBAM5V3 | CIRKEDO EEC M 5000 CTRL-DPH BA RM3 (3 PZ) | 23.037,90 | |
| CIR75RM1PHBAM5V3 | CIRKEDO EEC M 7500 CTRL-DPH BA RM3 (3 PZ) | 27.284,30 | |

| WALL MURAL ePM1 70%/ePM10>50% (ex. F7/M5) Standard CTRL-MAX2 without coils sin baterías | | | |
|---|---|---------------------|--|
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| CIR10RM1MX00M5 | CIRKEDO EEC M 1000 CTRL MAX2/RS485 RM1 | 9.475,20 | |
| CIR20RM1MX00M5 | CIRKEDO EEC M 2000 CTRL MAX2/RS485 RM1 | 10.789,60 | |
| CIR22RM1MX00M5 | CIRKEDO EEC M 2200 CTRL MAX2/RS485 RM1 | 13.560,50 | |
| CIR30RM1MX00M5 | CIRKEDO EEC M 3000 CTRL MAX2/RS485 RM1 | 16.791,00 | |
| CIR50RM1MX00M5 | CIRKEDO EEC M 5000 CTRL MAX2/RS485 RM1 | 20.056,10 | |
| CIR75RM1MX00M5 | CIRKEDO EEC M 7500 CTRL MAX2/RS485 RM1 | 24.011,50 | |
| CIR22RM1MX00M5V3 | CIRKEDO EEC M 2200 CTRL MAX2/RS485 RM3 (3 PZ) | 15.152,50 | |
| CIR30RM1MX00M5V3 | CIRKEDO EEC M 3000 CTRL MAX2/RS485 RM3 (3 PZ) | 18.568,40 | |
| CIR50RM1MX00M5V3 | CIRKEDO EEC M 5000 CTRL MAX2/RS485 RM3 (3 PZ) | 22.038,70 | |
| CIR75RM1MX00M5V3 | CIRKEDO EEC M 7500 CTRL MAX2/RS485 RM3 (3 PZ) | 26.120,80 | |

| WALL MURAL ePM1 70%/ePM10>50% (ex. F7/M5) CTRL-MAX2 + post mixed water coil batería de agua mixta post | | | |
|--|---|---------------------|--|
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| CIR10RM1MXBAMM5 | CIRKEDO EEC M 1000 CTRL MAX2/RS485 BAM RM1 | 11.040,50 | |
| CIR20RM1MXBAMM5 | CIRKEDO EEC M 2000 CTRL MAX2/RS485 BAM RM1 | 12.377,10 | |
| CIR22RM1MXBAMM5 | CIRKEDO EEC M 2200 CTRL MAX2/RS485 BAM RM1 | 16.181,60 | |
| CIR30RM1MXBAMM5 | CIRKEDO EEC M 3000 CTRL MAX2/RS485 BAM RM1 | 19.645,30 | |
| CIR50RM1MXBAMM5 | CIRKEDO EEC M 5000 CTRL MAX2/RS485 BAM RM1 | 23.196,70 | |
| CIR75RM1MXBAMM5 | CIRKEDO EEC M 7500 CTRL MAX2/RS485 BAM RM1 | 28.281,20 | |
| CIR22RM1MXBAMM5V3 | CIRKEDO EEC M 2200 CTRL MAX2/RS485 BAM RM3 (3 PZ) | 17.572,60 | |
| CIR30RM1MXBAMM5V3 | CIRKEDO EEC M 3000 CTRL MAX2/RS485 BAM RM3 (3 PZ) | 21.185,10 | |
| CIR50RM1MXBAMM5V3 | CIRKEDO EEC M 5000 CTRL MAX2/RS485 BAM RM3 (3 PZ) | 24.928,50 | |
| CIR75RM1MXBAMM5V3 | CIRKEDO EEC M 7500 CTRL MAX2/RS485 BAM RM3 (3 PZ) | 30.084,10 | |

| WALL MURAL ePM1 70%/ePM10>50% (ex. F7/M5) CTRL-MAX2 + post electrical coil batería eléctrica post | | | |
|---|--|---------------------|--|
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| CIR10RM1MXBEM5 | CIRKEDO EEC M 1000 CTRL MAX2/RS485 BE RM1 | 10.264,50 | |
| CIR20RM1MXBEM5 | CIRKEDO EEC M 2000 CTRL MAX2/RS485 BE RM1 | 11.680,00 | |
| CIR22RM1MXBEM5 | CIRKEDO EEC M 2200 CTRL MAX2/RS485 BE RM1 | 15.031,50 | |
| CIR30RM1MXBEM5 | CIRKEDO EEC M 3000 CTRL MAX2/RS485 BE RM1 | 18.629,50 | |
| CIR50RM1MXBEM5 | CIRKEDO EEC M 5000 CTRL MAX2/RS485 BE RM1 | 22.168,70 | |
| CIR75RM1MXBEM5 | CIRKEDO EEC M 7500 CTRL MAX2/RS485 BE RM1 | 26.789,10 | |
| CIR22RM1MXBEM5V3 | CIRKEDO EEC M 2200 CTRL MAX2/RS485 BE RM3 (3 PZ) | 16.623,50 | |
| CIR30RM1MXBEM5V3 | CIRKEDO EEC M 3000 CTRL MAX2/RS485 BE RM3 (3 PZ) | 20.405,70 | |
| CIR50RM1MXBEM5V3 | CIRKEDO EEC M 5000 CTRL MAX2/RS485 BE RM3 (3 PZ) | 24.151,40 | |
| CIR75RM1MXBEM5V3 | CIRKEDO EEC M 7500 CTRL MAX2/RS485 BE RM3 (3 PZ) | 28.898,40 | |

| WALL MURAL ePM1 70%/ePM10>50% (ex. F7/M5) CTRL-MAX2 + post heating water coil batería de agua caliente post | | | |
|---|--|---------------------|--|
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| CIR10RM1MXBAM5 | CIRKEDO EEC M 1000 CTRL MAX2/RS485 BA RM1 | 10.310,00 | |
| CIR20RM1MXBAM5 | CIRKEDO EEC M 2000 CTRL MAX2/RS485 BA RM1 | 11.562,20 | |
| CIR22RM1MXBAM5 | CIRKEDO EEC M 2200 CTRL MAX2/RS485 BA RM1 | 14.510,80 | |
| CIR30RM1MXBAM5 | CIRKEDO EEC M 3000 CTRL MAX2/RS485 BA RM1 | 17.862,40 | |
| CIR50RM1MXBAM5 | CIRKEDO EEC M 5000 CTRL MAX2/RS485 BA RM1 | 21.366,00 | |
| CIR75RM1MXBAM5 | CIRKEDO EEC M 7500 CTRL MAX2/RS485 BA RM1 | 25.486,90 | |
| CIR22RM1MXBAM5V3 | CIRKEDO EEC M 2200 CTRL MAX2/RS485 BA RM3 (3 PZ) | 16.102,80 | |
| CIR30RM1MXBAM5V3 | CIRKEDO EEC M 3000 CTRL MAX2/RS485 BA RM3 (3 PZ) | 19.639,70 | |
| CIR50RM1MXBAM5V3 | CIRKEDO EEC M 5000 CTRL MAX2/RS485 BA RM3 (3 PZ) | 23.348,80 | |
| CIR75RM1MXBAM5V3 | CIRKEDO EEC M 7500 CTRL MAX2/RS485 BA RM3 (3 PZ) | 27.596,20 | |

| WALL MURAL ePM1 70%/ePM1 70% (ex. F7/F7) Standard CTRL-DPH without coils sin baterías | | | |
|---|--|---------------------|--|
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| CIR10RM1PH00F7 | CIRKEDO EEC M 1000 CTRL-DPH RM1 | 9.211,00 | |
| CIR20RM1PH00F7 | CIRKEDO EEC M 2000 CTRL-DPH RM1 | 10.590,90 | |
| CIR22RM1PH00F7 | CIRKEDO EEC M 2200 CTRL-DPH RM1 | 13.309,60 | |
| CIR30RM1PH00F7 | CIRKEDO EEC M 3000 CTRL-DPH RM1 | 16.594,50 | |
| CIR50RM1PH00F7 | CIRKEDO EEC M 5000 CTRL-DPH RM1 | 19.859,60 | |
| CIR75RM1PH00F7 | CIRKEDO EEC M 7500 CTRL-DPH RM1 | 23.818,30 | |
| CIR22RM1PH00F7V3 | CIRKEDO EEC M 2200 CTRL-DPH RM3 (3 PZ) | 14.902,70 | |
| CIR30RM1PH00F7V3 | CIRKEDO EEC M 3000 CTRL-DPH RM3 (3 PZ) | 18.374,20 | |
| CIR50RM1PH00F7V3 | CIRKEDO EEC M 5000 CTRL-DPH RM3 (3 PZ) | 21.844,50 | |
| CIR75RM1PH00F7V3 | CIRKEDO EEC M 7500 CTRL-DPH RM3 (3 PZ) | 25.928,70 | |

WALL | MURAL ePM1 70%/ePM1 70% (ex. F7/F7) CTRL-DPH + post mixed water coil | batería de agua mixta post

| Code | Código | Model | Modelo | R.R.P. € | P.V.P. € |
|------|-------------------|-------------|--------------------------------|----------|-----------|
| | CIR10RM1PHBAMF7 | CIRKEDO EEC | M 1000 CTRL-DPH BAM RM1 | | 10.778,50 |
| | CIR20RM1PHBAMF7 | CIRKEDO EEC | M 2000 CTRL-DPH BAM RM1 | | 12.177,30 |
| | CIR22RM1PHBAMF7 | CIRKEDO EEC | M 2200 CTRL-DPH BAM RM1 | | 15.931,80 |
| | CIR30RM1PHBAMF7 | CIRKEDO EEC | M 3000 CTRL-DPH BAM RM1 | | 19.449,90 |
| | CIR50RM1PHBAMF7 | CIRKEDO EEC | M 5000 CTRL-DPH BAM RM1 | | 23.002,40 |
| | CIR75RM1PHBAMF7 | CIRKEDO EEC | M 7500 CTRL-DPH BAM RM1 | | 28.088,00 |
| | CIR22RM1PHBAMF7V3 | CIRKEDO EEC | M 2200 CTRL-DPH BAM RM3 (3 PZ) | | 17.321,70 |
| | CIR30RM1PHBAMF7V3 | CIRKEDO EEC | M 3000 CTRL-DPH BAM RM3 (3 PZ) | | 20.990,80 |
| | CIR50RM1PHBAMF7V3 | CIRKEDO EEC | M 5000 CTRL-DPH BAM RM3 (3 PZ) | | 24.733,10 |
| | CIR75RM1PHBAMF7V3 | CIRKEDO EEC | M 7500 CTRL-DPH BAM RM3 (3 PZ) | | 29.892,00 |

WALL | MURAL ePM1 70%/ePM1 70% (ex. F7/F7) CTRL-DPH + post electrical coil | batería eléctrica post

| Code | Código | Model | Modelo | R.R.P. € | P.V.P. € |
|------|------------------|-------------|-------------------------------|----------|-----------|
| | CIR10RM1PHBEF7 | CIRKEDO EEC | M 1000 CTRL-DPH BE RM1 | | 10.000,30 |
| | CIR20RM1PHBEF7 | CIRKEDO EEC | M 2000 CTRL-DPH BE RM1 | | 11.480,10 |
| | CIR22RM1PHBEF7 | CIRKEDO EEC | M 2200 CTRL-DPH BE RM1 | | 14.780,60 |
| | CIR30RM1PHBEF7 | CIRKEDO EEC | M 3000 CTRL-DPH BE RM1 | | 18.431,90 |
| | CIR50RM1PHBEF7 | CIRKEDO EEC | M 5000 CTRL-DPH BE RM1 | | 21.972,20 |
| | CIR75RM1PHBEF7 | CIRKEDO EEC | M 7500 CTRL-DPH BE RM1 | | 26.596,00 |
| | CIR22RM1PHBEF7V3 | CIRKEDO EEC | M 2200 CTRL-DPH BE RM3 (3 PZ) | | 16.372,50 |
| | CIR30RM1PHBEF7V3 | CIRKEDO EEC | M 3000 CTRL-DPH BE RM3 (3 PZ) | | 20.211,50 |
| | CIR50RM1PHBEF7V3 | CIRKEDO EEC | M 5000 CTRL-DPH BE RM3 (3 PZ) | | 23.957,10 |
| | CIR75RM1PHBEF7V3 | CIRKEDO EEC | M 7500 CTRL-DPH BE RM3 (3 PZ) | | 28.707,50 |

WALL | MURAL ePM1 70%/ePM1 70% (ex. F7/F7) CTRL-DPH + post heating water coil | batería de agua caliente post

| Code | Código | Model | Modelo | R.R.P. € | P.V.P. € |
|------|------------------|-------------|-------------------------------|----------|-----------|
| | CIR10RM1PHBAF7 | CIRKEDO EEC | M 1000 CTRL-DPH BA RM1 | | 10.045,80 |
| | CIR20RM1PHBAF7 | CIRKEDO EEC | M 2000 CTRL-DPH BA RM1 | | 11.361,30 |
| | CIR22RM1PHBAF7 | CIRKEDO EEC | M 2200 CTRL-DPH BA RM1 | | 14.258,80 |
| | CIR30RM1PHBAF7 | CIRKEDO EEC | M 3000 CTRL-DPH BA RM1 | | 17.664,70 |
| | CIR50RM1PHBAF7 | CIRKEDO EEC | M 5000 CTRL-DPH BA RM1 | | 21.169,50 |
| | CIR75RM1PHBAF7 | CIRKEDO EEC | M 7500 CTRL-DPH BA RM1 | | 25.293,70 |
| | CIR22RM1PHBAF7V3 | CIRKEDO EEC | M 2200 CTRL-DPH BA RM3 (3 PZ) | | 15.851,90 |
| | CIR30RM1PHBAF7V3 | CIRKEDO EEC | M 3000 CTRL-DPH BA RM3 (3 PZ) | | 19443,2 |
| | CIR50RM1PHBAF7V3 | CIRKEDO EEC | M 5000 CTRL-DPH BA RM3 (3 PZ) | | 23154,4 |
| | CIR75RM1PHBAF7V3 | CIRKEDO EEC | M 7500 CTRL-DPH BA RM3 (3 PZ) | | 27404,2 |

WALL | MURAL ePM1 70%/ePM1 70% (ex. F7/F7) Standard CTRL-MAX2 without coils | sin baterías

| Code | Código | Model | Modelo | R.R.P. € | P.V.P. € |
|------|------------------|-------------|-----------------------------------|----------|-----------|
| | CIR10RM1MX00F7 | CIRKEDO EEC | M 1000 CTRL MAX2/RS485 RM1 | | 9.522,90 |
| | CIR20RM1MX00F7 | CIRKEDO EEC | M 2000 CTRL MAX2/RS485 RM1 | | 10.864,00 |
| | CIR22RM1MX00F7 | CIRKEDO EEC | M 2200 CTRL MAX2/RS485 RM1 | | 13.621,60 |
| | CIR30RM1MX00F7 | CIRKEDO EEC | M 3000 CTRL MAX2/RS485 RM1 | | 16.905,40 |
| | CIR50RM1MX00F7 | CIRKEDO EEC | M 5000 CTRL MAX2/RS485 RM1 | | 20.171,50 |
| | CIR75RM1MX00F7 | CIRKEDO EEC | M 7500 CTRL MAX2/RS485 RM1 | | 24.129,20 |
| | CIR22RM1MX00F7V3 | CIRKEDO EEC | M 2200 CTRL MAX2/RS485 RM3 (3 PZ) | | 15.213,60 |
| | CIR30RM1MX00F7V3 | CIRKEDO EEC | M 3000 CTRL MAX2/RS485 RM3 (3 PZ) | | 18.685,00 |
| | CIR50RM1MX00F7V3 | CIRKEDO EEC | M 5000 CTRL MAX2/RS485 RM3 (3 PZ) | | 22.155,40 |
| | CIR75RM1MX00F7V3 | CIRKEDO EEC | M 7500 CTRL MAX2/RS485 RM3 (3 PZ) | | 26.240,70 |

WALL | MURAL ePM1 70%/ePM1 70% (ex. F7/F7) CTRL-MAX2 + post mixed water coil | batería de agua mixta post

| Code | Código | Model | Modelo | R.R.P. € | P.V.P. € |
|------|-------------------|-------------|---------------------------------------|----------|-----------|
| | CIR10RM1MXBAMF7 | CIRKEDO EEC | M 1000 CTRL MAX2/RS485 BAM RM1 | | 11.089,40 |
| | CIR20RM1MXBAMF7 | CIRKEDO EEC | M 2000 CTRL MAX2/RS485 BAM RM1 | | 12.451,50 |
| | CIR22RM1MXBAMF7 | CIRKEDO EEC | M 2200 CTRL MAX2/RS485 BAM RM1 | | 16.243,80 |
| | CIR30RM1MXBAMF7 | CIRKEDO EEC | M 3000 CTRL MAX2/RS485 BAM RM1 | | 19.761,90 |
| | CIR50RM1MXBAMF7 | CIRKEDO EEC | M 5000 CTRL MAX2/RS485 BAM RM1 | | 23.313,20 |
| | CIR75RM1MXBAMF7 | CIRKEDO EEC | M 7500 CTRL MAX2/RS485 BAM RM1 | | 28.400,00 |
| | CIR22RM1MXBAMF7V3 | CIRKEDO EEC | M 2200 CTRL MAX2/RS485 BAM RM3 (3 PZ) | | 17.633,70 |
| | CIR30RM1MXBAMF7V3 | CIRKEDO EEC | M 3000 CTRL MAX2/RS485 BAM RM3 (3 PZ) | | 21.301,70 |
| | CIR50RM1MXBAMF7V3 | CIRKEDO EEC | M 5000 CTRL MAX2/RS485 BAM RM3 (3 PZ) | | 25.045,10 |
| | CIR75RM1MXBAMF7V3 | CIRKEDO EEC | M 7500 CTRL MAX2/RS485 BAM RM3 (3 PZ) | | 30.204,00 |

WALL | MURAL ePM1 70%/ePM1 70% (ex. F7/F7) CTRL-MAX2 + post electrical coil | batería eléctrica post

| Code | Código | Model | Modelo | R.R.P. € | P.V.P. € |
|------|------------------|-------------|--------------------------------------|----------|-----------|
| | CIR10RM1MXBEF7 | CIRKEDO EEC | M 1000 CTRL MAX2/RS485 BE RM1 | | 10.312,20 |
| | CIR20RM1MXBEF7 | CIRKEDO EEC | M 2000 CTRL MAX2/RS485 BE RM1 | | 11.754,30 |
| | CIR22RM1MXBEF7 | CIRKEDO EEC | M 2200 CTRL MAX2/RS485 BE RM1 | | 15.092,50 |
| | CIR30RM1MXBEF7 | CIRKEDO EEC | M 3000 CTRL MAX2/RS485 BE RM1 | | 18.743,90 |
| | CIR50RM1MXBEF7 | CIRKEDO EEC | M 5000 CTRL MAX2/RS485 BE RM1 | | 22.284,10 |
| | CIR75RM1MXBEF7 | CIRKEDO EEC | M 7500 CTRL MAX2/RS485 BE RM1 | | 26.906,80 |
| | CIR22RM1MXBEF7V3 | CIRKEDO EEC | M 2200 CTRL MAX2/RS485 BE RM3 (3 PZ) | | 16.684,50 |
| | CIR30RM1MXBEF7V3 | CIRKEDO EEC | M 3000 CTRL MAX2/RS485 BE RM3 (3 PZ) | | 20.522,30 |
| | CIR50RM1MXBEF7V3 | CIRKEDO EEC | M 5000 CTRL MAX2/RS485 BE RM3 (3 PZ) | | 24.268,00 |
| | CIR75RM1MXBEF7V3 | CIRKEDO EEC | M 7500 CTRL MAX2/RS485 BE RM3 (3 PZ) | | 29.018,30 |

| WALL MURAL ePM1 70%/ePM1 70% (ex. F7/F7) CTRL-MAX2 + post heating water coil batería de agua caliente post | | | |
|--|--|---------------------|--|
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| CIR10RM1MXBAF7 | CIRKEDO EEC M 1000 CTRL MAX2/RS485 BA RM1 | 10.357,70 | |
| CIR20RM1MXBAF7 | CIRKEDO EEC M 2000 CTRL MAX2/RS485 BA RM1 | 11.635,50 | |
| CIR22RM1MXBAF7 | CIRKEDO EEC M 2200 CTRL MAX2/RS485 BA RM1 | 14.570,80 | |
| CIR30RM1MXBAF7 | CIRKEDO EEC M 3000 CTRL MAX2/RS485 BA RM1 | 17.976,80 | |
| CIR50RM1MXBAF7 | CIRKEDO EEC M 5000 CTRL MAX2/RS485 BA RM1 | 21.481,40 | |
| CIR75RM1MXBAF7 | CIRKEDO EEC M 7500 CTRL MAX2/RS485 BA RM1 | 25.604,60 | |
| | | | |
| CIR22RM1MXBAF7V3 | CIRKEDO EEC M 2200 CTRL MAX2/RS485 BA RM3 (3 PZ) | 16.163,80 | |
| CIR30RM1MXBAF7V3 | CIRKEDO EEC M 3000 CTRL MAX2/RS485 BA RM3 (3 PZ) | 19.755,20 | |
| CIR50RM1MXBAF7V3 | CIRKEDO EEC M 5000 CTRL MAX2/RS485 BA RM3 (3 PZ) | 23.465,30 | |
| CIR75RM1MXBAF7V3 | CIRKEDO EEC M 7500 CTRL MAX2/RS485 BA RM3 (3 PZ) | 27.716,10 | |

| WALL MURAL ePM1 70%/ePM1 70% (ex. F7/F7) Standard CTRL-DPH without coils sin baterías + simple Kit COP | | | |
|--|--|---------------------|--|
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| CIR10RM1PH00PF7 | CIRKEDO EEC M 1000 CTRL-DPH RM1 Kit COP | 9.617,30 | |
| CIR20RM1PH00PF7 | CIRKEDO EEC M 2000 CTRL-DPH RM1 Kit COP | 10.997,20 | |
| CIR22RM1PH00PF7 | CIRKEDO EEC M 2200 CTRL-DPH RM1 Kit COP | 13.715,90 | |
| CIR30RM1PH00PF7 | CIRKEDO EEC M 3000 CTRL-DPH RM1 Kit COP | 17.000,90 | |
| CIR50RM1PH00PF7 | CIRKEDO EEC M 5000 CTRL-DPH RM1 Kit COP | 20.265,90 | |
| CIR75RM1PH00PF7 | CIRKEDO EEC M 7500 CTRL-DPH RM1 Kit COP | 24.224,60 | |
| | | | |
| CIR22RM1PH00PF7V3 | CIRKEDO EEC M 2200 CTRL-DPH RM3 (3 PZ) Kit COP | 15.309,00 | |
| CIR30RM1PH00PF7V3 | CIRKEDO EEC M 3000 CTRL-DPH RM3 (3 PZ) Kit COP | 18.780,50 | |
| CIR50RM1PH00PF7V3 | CIRKEDO EEC M 5000 CTRL-DPH RM3 (3 PZ) Kit COP | 22.250,80 | |
| CIR75RM1PH00PF7V3 | CIRKEDO EEC M 7500 CTRL-DPH RM3 (3 PZ) Kit COP | 26.335,10 | |

| WALL MURAL ePM1 70%/ePM1 70% (ex. F7/F7) CTRL-DPH + post mixed water coil batería de agua mixta post + simple Kit COP | | | |
|---|--|---------------------|--|
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| CIR10RM1PHBAMPF7 | CIRKEDO EEC M 1000 CTRL-DPH BAM RM1 Kit COP | 11.184,80 | |
| CIR20RM1PHBAMPF7 | CIRKEDO EEC M 2000 CTRL-DPH BAM RM1 Kit COP | 12.583,60 | |
| CIR22RM1PHBAMPF7 | CIRKEDO EEC M 2200 CTRL-DPH BAM RM1 Kit COP | 16.338,10 | |
| CIR30RM1PHBAMPF7 | CIRKEDO EEC M 3000 CTRL-DPH BAM RM1 Kit COP | 19.856,20 | |
| CIR50RM1PHBAMPF7 | CIRKEDO EEC M 5000 CTRL-DPH BAM RM1 Kit COP | 23.408,70 | |
| CIR75RM1PHBAMPF7 | CIRKEDO EEC M 7500 CTRL-DPH BAM RM1 Kit COP | 28.494,30 | |
| | | | |
| CIR22RM1PHBAMPF7V3 | CIRKEDO EEC M 2200 CTRL-DPH BAM RM3 (3 PZ) Kit COP | 17.728,10 | |
| CIR30RM1PHBAMPF7V3 | CIRKEDO EEC M 3000 CTRL-DPH BAM RM3 (3 PZ) Kit COP | 21.397,10 | |
| CIR50RM1PHBAMPF7V3 | CIRKEDO EEC M 5000 CTRL-DPH BAM RM3 (3 PZ) Kit COP | 25.139,50 | |
| CIR75RM1PHBAMPF7V3 | CIRKEDO EEC M 7500 CTRL-DPH BAM RM3 (3 PZ) Kit COP | 30.298,30 | |

| WALL MURAL ePM1 70%/ePM1 70% (ex. F7/F7) CTRL-DPH + post electrical coil batería eléctrica post + simple Kit COP | | | |
|--|---|---------------------|--|
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| CIR10RM1PHBEPF7 | CIRKEDO EEC M 1000 CTRL-DPH BE RM1 Kit COP | 10.406,60 | |
| CIR20RM1PHBEPF7 | CIRKEDO EEC M 2000 CTRL-DPH BE RM1 Kit COP | 11.886,40 | |
| CIR22RM1PHBEPF7 | CIRKEDO EEC M 2200 CTRL-DPH BE RM1 Kit COP | 15.186,90 | |
| CIR30RM1PHBEPF7 | CIRKEDO EEC M 3000 CTRL-DPH BE RM1 Kit COP | 18.838,20 | |
| CIR50RM1PHBEPF7 | CIRKEDO EEC M 5000 CTRL-DPH BE RM1 Kit COP | 22.378,50 | |
| CIR75RM1PHBEPF7 | CIRKEDO EEC M 7500 CTRL-DPH BE RM1 Kit COP | 27.002,30 | |
| | | | |
| CIR22RM1PHBEPF7V3 | CIRKEDO EEC M 2200 CTRL-DPH BE RM3 (3 PZ) Kit COP | 16.778,80 | |
| CIR30RM1PHBEPF7V3 | CIRKEDO EEC M 3000 CTRL-DPH BE RM3 (3 PZ) Kit COP | 20.617,80 | |
| CIR50RM1PHBEPF7V3 | CIRKEDO EEC M 5000 CTRL-DPH BE RM3 (3 PZ) Kit COP | 24.363,40 | |
| CIR75RM1PHBEPF7V3 | CIRKEDO EEC M 7500 CTRL-DPH BE RM3 (3 PZ) Kit COP | 29.113,80 | |

| WALL MURAL ePM1 70%/ePM1 70% (ex. F7/F7) CTRL-DPH + post heating water coil batería de agua caliente post + simple Kit COP | | | |
|--|---|---------------------|--|
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| CIR10RM1PHBAPF7 | CIRKEDO EEC M 1000 CTRL-DPH BA RM1 Kit COP | 10.452,10 | |
| CIR20RM1PHBAPF7 | CIRKEDO EEC M 2000 CTRL-DPH BA RM1 Kit COP | 11.767,60 | |
| CIR22RM1PHBAPF7 | CIRKEDO EEC M 2200 CTRL-DPH BA RM1 Kit COP | 14.665,10 | |
| CIR30RM1PHBAPF7 | CIRKEDO EEC M 3000 CTRL-DPH BA RM1 Kit COP | 18.071,10 | |
| CIR50RM1PHBAPF7 | CIRKEDO EEC M 5000 CTRL-DPH BA RM1 Kit COP | 21.575,80 | |
| CIR75RM1PHBAPF7 | CIRKEDO EEC M 7500 CTRL-DPH BA RM1 Kit COP | 25.700,00 | |
| | | | |
| CIR22RM1PHBAPF7V3 | CIRKEDO EEC M 2200 CTRL-DPH BA RM3 (3 PZ) Kit COP | 16.258,20 | |
| CIR30RM1PHBAPF7V3 | CIRKEDO EEC M 3000 CTRL-DPH BA RM3 (3 PZ) Kit COP | 19.849,50 | |
| CIR50RM1PHBAPF7V3 | CIRKEDO EEC M 5000 CTRL-DPH BA RM3 (3 PZ) Kit COP | 23.560,80 | |
| CIR75RM1PHBAPF7V3 | CIRKEDO EEC M 7500 CTRL-DPH BA RM3 (3 PZ) Kit COP | 27.810,50 | |

| WALL MURAL ePM1 70%/ePM1 70% (ex. F7/F7) Standard CTRL-MAX2 without coils sin baterías + simple Kit COP | | | |
|---|---|---------------------|--|
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| CIR10RM1MX00PF7 | CIRKEDO EEC M 1000 CTRL MAX2/RS485 RM1 Kit COP | 9.929,20 | |
| CIR20RM1MX00PF7 | CIRKEDO EEC M 2000 CTRL MAX2/RS485 RM1 Kit COP | 11.270,30 | |
| CIR22RM1MX00PF7 | CIRKEDO EEC M 2200 CTRL MAX2/RS485 RM1 Kit COP | 14.027,90 | |
| CIR30RM1MX00PF7 | CIRKEDO EEC M 3000 CTRL MAX2/RS485 RM1 Kit COP | 17.311,70 | |
| CIR50RM1MX00PF7 | CIRKEDO EEC M 5000 CTRL MAX2/RS485 RM1 Kit COP | 20.577,80 | |
| CIR75RM1MX00PF7 | CIRKEDO EEC M 7500 CTRL MAX2/RS485 RM1 Kit COP | 24.535,50 | |
| | | | |
| CIR22RM1MX00PF7V3 | CIRKEDO EEC M 2200 CTRL MAX2/RS485 RM3 (3 PZ) Kit COP | 15.619,90 | |
| CIR30RM1MX00PF7V3 | CIRKEDO EEC M 3000 CTRL MAX2/RS485 RM3 (3 PZ) Kit COP | 19.091,30 | |
| CIR50RM1MX00PF7V3 | CIRKEDO EEC M 5000 CTRL MAX2/RS485 RM3 (3 PZ) Kit COP | 22.561,70 | |
| CIR75RM1MX00PF7V3 | CIRKEDO EEC M 7500 CTRL MAX2/RS485 RM3 (3 PZ) Kit COP | 26.647,00 | |

| WALL MURAL ePM1 70%/ePM1 70% (ex. F7/F7) CTRL-MAX2 + post mixed water coil batería de agua mixta post + simple Kit COP | | | |
|--|--------|---|---------------------|
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| CIR10RM1MXBAMPF7 | | CIRKEDO EEC M 1000 CTRL MAX2/RS485 BAM RM1 Kit COP | 11.495,70 |
| CIR20RM1MXBAMPF7 | | CIRKEDO EEC M 2000 CTRL MAX2/RS485 BAM RM1 Kit COP | 12.857,80 |
| CIR22RM1MXBAMPF7 | | CIRKEDO EEC M 2200 CTRL MAX2/RS485 BAM RM1 Kit COP | 16.650,10 |
| CIR30RM1MXBAMPF7 | | CIRKEDO EEC M 3000 CTRL MAX2/RS485 BAM RM1 Kit COP | 20.168,20 |
| CIR50RM1MXBAMPF7 | | CIRKEDO EEC M 5000 CTRL MAX2/RS485 BAM RM1 Kit COP | 23.719,50 |
| CIR75RM1MXBAMPF7 | | CIRKEDO EEC M 7500 CTRL MAX2/RS485 BAM RM1 Kit COP | 28.806,30 |
| CIR22RM1MXBAMPF7V3 | | CIRKEDO EEC M 2200 CTRL MAX2/RS485 BAM RM3 (3 PZ) Kit COP | 18.040,00 |
| CIR30RM1MXBAMPF7V3 | | CIRKEDO EEC M 3000 CTRL MAX2/RS485 BAM RM3 (3 PZ) Kit COP | 21.708,00 |
| CIR50RM1MXBAMPF7V3 | | CIRKEDO EEC M 5000 CTRL MAX2/RS485 BAM RM3 (3 PZ) Kit COP | 25.451,40 |
| CIR75RM1MXBAMPF7V3 | | CIRKEDO EEC M 7500 CTRL MAX2/RS485 BAM RM3 (3 PZ) Kit COP | 30.610,30 |

| WALL MURAL ePM1 70%/ePM1 70% (ex. F7/F7) CTRL-MAX2 + post electrical coil batería eléctrica post + simple Kit COP | | | |
|---|--------|--|---------------------|
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| CIR10RM1MXBEPF7 | | CIRKEDO EEC M 1000 CTRL MAX2/RS485 BE RM1 Kit COP | 10.718,50 |
| CIR20RM1MXBEPF7 | | CIRKEDO EEC M 2000 CTRL MAX2/RS485 BE RM1 Kit COP | 12.160,60 |
| CIR22RM1MXBEPF7 | | CIRKEDO EEC M 2200 CTRL MAX2/RS485 BE RM1 Kit COP | 15.498,80 |
| CIR30RM1MXBEPF7 | | CIRKEDO EEC M 3000 CTRL MAX2/RS485 BE RM1 Kit COP | 19.150,20 |
| CIR50RM1MXBEPF7 | | CIRKEDO EEC M 5000 CTRL MAX2/RS485 BE RM1 Kit COP | 22.690,40 |
| CIR75RM1MXBEPF7 | | CIRKEDO EEC M 7500 CTRL MAX2/RS485 BE RM1 Kit COP | 27.313,10 |
| CIR22RM1MXBEPF7V3 | | CIRKEDO EEC M 2200 CTRL MAX2/RS485 BE RM3 (3 PZ) Kit COP | 17.090,90 |
| CIR30RM1MXBEPF7V3 | | CIRKEDO EEC M 3000 CTRL MAX2/RS485 BE RM3 (3 PZ) Kit COP | 20.928,70 |
| CIR50RM1MXBEPF7V3 | | CIRKEDO EEC M 5000 CTRL MAX2/RS485 BE RM3 (3 PZ) Kit COP | 24.674,30 |
| CIR75RM1MXBEPF7V3 | | CIRKEDO EEC M 7500 CTRL MAX2/RS485 BE RM3 (3 PZ) Kit COP | 29.424,70 |

| WALL MURAL ePM1 70%/ePM1 70% (ex. F7/F7) CTRL-MAX2 + post heating water coil batería de agua caliente post + simple Kit COP | | | |
|---|--------|--|---------------------|
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| CIR10RM1MXBAPF7 | | CIRKEDO EEC M 1000 CTRL MAX2/RS485 BA RM1 Kit COP | 10.764,00 |
| CIR20RM1MXBAPF7 | | CIRKEDO EEC M 2000 CTRL MAX2/RS485 BA RM1 Kit COP | 12.041,80 |
| CIR22RM1MXBAPF7 | | CIRKEDO EEC M 2200 CTRL MAX2/RS485 BA RM1 Kit COP | 14.977,10 |
| CIR30RM1MXBAPF7 | | CIRKEDO EEC M 3000 CTRL MAX2/RS485 BA RM1 Kit COP | 18.383,10 |
| CIR50RM1MXBAPF7 | | CIRKEDO EEC M 5000 CTRL MAX2/RS485 BA RM1 Kit COP | 21.887,70 |
| CIR75RM1MXBAPF7 | | CIRKEDO EEC M 7500 CTRL MAX2/RS485 BA RM1 Kit COP | 26.010,90 |
| CIR22RM1MXBAPF7V3 | | CIRKEDO EEC M 2200 CTRL MAX2/RS485 BA RM3 (3 PZ) Kit COP | 16.570,20 |
| CIR30RM1MXBAPF7V3 | | CIRKEDO EEC M 3000 CTRL MAX2/RS485 BA RM3 (3 PZ) Kit COP | 20.161,50 |
| CIR50RM1MXBAPF7V3 | | CIRKEDO EEC M 5000 CTRL MAX2/RS485 BA RM3 (3 PZ) Kit COP | 23.871,60 |
| CIR75RM1MXBAPF7V3 | | CIRKEDO EEC M 7500 CTRL MAX2/RS485 BA RM3 (3 PZ) Kit COP | 28.122,40 |

| WALL MURAL ePM1 70%/ePM1 70% (ex. F7/F7) Standard CTRL-DPH without coils sin baterías + simple Kit CAV | | | |
|--|--------|--|---------------------|
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| CIR10RM1PH00QF7 | | CIRKEDO EEC M 1000 CTRL-DPH RM1 KIT CAV | 9.751,50 |
| CIR20RM1PH00QF7 | | CIRKEDO EEC M 2000 CTRL-DPH RM1 KIT CAV | 11.161,50 |
| CIR22RM1PH00QF7 | | CIRKEDO EEC M 2200 CTRL-DPH RM1 KIT CAV | 13.609,30 |
| CIR30RM1PH00QF7 | | CIRKEDO EEC M 3000 CTRL-DPH RM1 KIT CAV | 16.894,40 |
| CIR50RM1PH00QF7 | | CIRKEDO EEC M 5000 CTRL-DPH RM1 KIT CAV | 20.159,30 |
| CIR75RM1PH00QF7 | | CIRKEDO EEC M 7500 CTRL-DPH RM1 KIT CAV | 24.118,00 |
| CIR22RM1PH00QF7V3 | | CIRKEDO EEC M 2200 CTRL-DPH RM3 (3 PZ) KIT CAV | 15.202,50 |
| CIR30RM1PH00QF7V3 | | CIRKEDO EEC M 3000 CTRL-DPH RM3 (3 PZ) KIT CAV | 18.673,90 |
| CIR50RM1PH00QF7V3 | | CIRKEDO EEC M 5000 CTRL-DPH RM3 (3 PZ) KIT CAV | 22.144,20 |
| CIR75RM1PH00QF7V3 | | CIRKEDO EEC M 7500 CTRL-DPH RM3 (3 PZ) KIT CAV | 26.228,50 |

| WALL MURAL ePM1 70%/ePM1 70% (ex. F7/F7) CTRL-DPH + post mixed water coil batería de agua mixta post + simple Kit CAV | | | |
|---|--------|--|---------------------|
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| CIR10RM1PHBAMQF7 | | CIRKEDO EEC M 1000 CTRL-DPH BAM RM1 KIT CAV | 11.319,20 |
| CIR20RM1PHBAMQF7 | | CIRKEDO EEC M 2000 CTRL-DPH BAM RM1 KIT CAV | 12.747,90 |
| CIR22RM1PHBAMQF7 | | CIRKEDO EEC M 2200 CTRL-DPH BAM RM1 KIT CAV | 16.231,60 |
| CIR30RM1PHBAMQF7 | | CIRKEDO EEC M 3000 CTRL-DPH BAM RM1 KIT CAV | 19.749,60 |
| CIR50RM1PHBAMQF7 | | CIRKEDO EEC M 5000 CTRL-DPH BAM RM1 KIT CAV | 23.302,10 |
| CIR75RM1PHBAMQF7 | | CIRKEDO EEC M 7500 CTRL-DPH BAM RM1 KIT CAV | 28.387,80 |
| CIR22RM1PHBAMQF7V3 | | CIRKEDO EEC M 2200 CTRL-DPH BAM RM3 (3 PZ) KIT CAV | 17.621,50 |
| CIR30RM1PHBAMQF7V3 | | CIRKEDO EEC M 3000 CTRL-DPH BAM RM3 (3 PZ) KIT CAV | 21.290,50 |
| CIR50RM1PHBAMQF7V3 | | CIRKEDO EEC M 5000 CTRL-DPH BAM RM3 (3 PZ) KIT CAV | 25.032,90 |
| CIR75RM1PHBAMQF7V3 | | CIRKEDO EEC M 7500 CTRL-DPH BAM RM3 (3 PZ) KIT CAV | 30.191,80 |

| WALL MURAL ePM1 70%/ePM1 70% (ex. F7/F7) CTRL-DPH + post electrical coil batería eléctrica post + simple Kit CAV | | | |
|--|--------|---|---------------------|
| Code | Código | Model Modelo | R.R.P. € P.V.P. € |
| CIR10RM1PHBEQF7 | | CIRKEDO EEC M 1000 CTRL-DPH BE RM1 KIT CAV | 10.540,90 |
| CIR20RM1PHBEQF7 | | CIRKEDO EEC M 2000 CTRL-DPH BE RM1 KIT CAV | 12.050,70 |
| CIR22RM1PHBEQF7 | | CIRKEDO EEC M 2200 CTRL-DPH BE RM1 KIT CAV | 15.080,30 |
| CIR30RM1PHBEQF7 | | CIRKEDO EEC M 3000 CTRL-DPH BE RM1 KIT CAV | 18.731,70 |
| CIR50RM1PHBEQF7 | | CIRKEDO EEC M 5000 CTRL-DPH BE RM1 KIT CAV | 22.271,90 |
| CIR75RM1PHBEQF7 | | CIRKEDO EEC M 7500 CTRL-DPH BE RM1 KIT CAV | 26.895,70 |
| CIR22RM1PHBEQF7V3 | | CIRKEDO EEC M 2200 CTRL-DPH BE RM3 (3 PZ) KIT CAV | 16.672,20 |
| CIR30RM1PHBEQF7V3 | | CIRKEDO EEC M 3000 CTRL-DPH BE RM3 (3 PZ) KIT CAV | 20.511,20 |
| CIR50RM1PHBEQF7V3 | | CIRKEDO EEC M 5000 CTRL-DPH BE RM3 (3 PZ) KIT CAV | 24.256,80 |
| CIR75RM1PHBEQF7V3 | | CIRKEDO EEC M 7500 CTRL-DPH BE RM3 (3 PZ) KIT CAV | 29.007,20 |

| WALL MURAL ePM1 70%/ePM1 70% (ex. F7/F7) CTRL-DPH + post heating water coil batería de agua caliente post + simple Kit CAV | | | |
|--|---|---------------------|--|
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| CIR10RM1PHBAQF7 | CIRKEDO EEC M 1000 CTRL-DPH BA RM1 KIT CAV | 10.586,40 | |
| CIR20RM1PHBAQF7 | CIRKEDO EEC M 2000 CTRL-DPH BA RM1 KIT CAV | 11.931,90 | |
| CIR22RM1PHBAQF7 | CIRKEDO EEC M 2200 CTRL-DPH BA RM1 KIT CAV | 14.558,60 | |
| CIR30RM1PHBAQF7 | CIRKEDO EEC M 3000 CTRL-DPH BA RM1 KIT CAV | 17.964,60 | |
| CIR50RM1PHBAQF7 | CIRKEDO EEC M 5000 CTRL-DPH BA RM1 KIT CAV | 21.469,20 | |
| CIR75RM1PHBAQF7 | CIRKEDO EEC M 7500 CTRL-DPH BA RM1 KIT CAV | 25.593,50 | |
| CIR22RM1PHBAQF7V3 | CIRKEDO EEC M 2200 CTRL-DPH BA RM3 (3 PZ) KIT CAV | 16.151,60 | |
| CIR30RM1PHBAQF7V3 | CIRKEDO EEC M 3000 CTRL-DPH BA RM3 (3 PZ) KIT CAV | 19.742,90 | |
| CIR50RM1PHBAQF7V3 | CIRKEDO EEC M 5000 CTRL-DPH BA RM3 (3 PZ) KIT CAV | 23.454,30 | |
| CIR75RM1PHBAQF7V3 | CIRKEDO EEC M 7500 CTRL-DPH BA RM3 (3 PZ) KIT CAV | 27.703,90 | |

| WALL MURAL ePM1 70%/ePM1 70% (ex. F7/F7) Standard CTRL-MAX2 without coils sin baterías + simple Kit CAV | | | |
|---|---|---------------------|--|
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| CIR10RM1MX00QF7 | CIRKEDO EEC M 1000 CTRL MAX2/RS485 RM1 KIT CAV | 10.063,60 | |
| CIR20RM1MX00QF7 | CIRKEDO EEC M 2000 CTRL MAX2/RS485 RM1 KIT CAV | 11.434,60 | |
| CIR22RM1MX00QF7 | CIRKEDO EEC M 2200 CTRL MAX2/RS485 RM1 KIT CAV | 13.921,30 | |
| CIR30RM1MX00QF7 | CIRKEDO EEC M 3000 CTRL MAX2/RS485 RM1 KIT CAV | 17.205,10 | |
| CIR50RM1MX00QF7 | CIRKEDO EEC M 5000 CTRL MAX2/RS485 RM1 KIT CAV | 20.471,20 | |
| CIR75RM1MX00QF7 | CIRKEDO EEC M 7500 CTRL MAX2/RS485 RM1 KIT CAV | 24.428,90 | |
| CIR22RM1MX00QF7V3 | CIRKEDO EEC M 2200 CTRL MAX2/RS485 RM3 (3 PZ) KIT CAV | 15.513,30 | |
| CIR30RM1MX00QF7V3 | CIRKEDO EEC M 3000 CTRL MAX2/RS485 RM3 (3 PZ) KIT CAV | 18.984,70 | |
| CIR50RM1MX00QF7V3 | CIRKEDO EEC M 5000 CTRL MAX2/RS485 RM3 (3 PZ) KIT CAV | 22.455,10 | |
| CIR75RM1MX00QF7V3 | CIRKEDO EEC M 7500 CTRL MAX2/RS485 RM3 (3 PZ) KIT CAV | 26.540,40 | |

| WALL MURAL ePM1 70%/ePM1 70% (ex. F7/F7) CTRL-MAX2 + post mixed water coil batería de agua mixta post + simple Kit CAV | | | |
|--|---|---------------------|--|
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| CIR10RM1MXBAMQF7 | CIRKEDO EEC M 1000 CTRL MAX2/RS485 BAM RM1 KIT CAV | 11.630,00 | |
| CIR20RM1MXBAMQF7 | CIRKEDO EEC M 2000 CTRL MAX2/RS485 BAM RM1 KIT CAV | 13.022,10 | |
| CIR22RM1MXBAMQF7 | CIRKEDO EEC M 2200 CTRL MAX2/RS485 BAM RM1 KIT CAV | 16.543,50 | |
| CIR30RM1MXBAMQF7 | CIRKEDO EEC M 3000 CTRL MAX2/RS485 BAM RM1 KIT CAV | 20.061,60 | |
| CIR50RM1MXBAMQF7 | CIRKEDO EEC M 5000 CTRL MAX2/RS485 BAM RM1 KIT CAV | 23.612,90 | |
| CIR75RM1MXBAMQF7 | CIRKEDO EEC M 7500 CTRL MAX2/RS485 BAM RM1 KIT CAV | 28.699,70 | |
| CIR22RM1MXBAMQF7V3 | CIRKEDO EEC M 2200 CTRL MAX2/RS485 BAM RM3 (3 PZ) KIT CAV | 17.933,40 | |
| CIR30RM1MXBAMQF7V3 | CIRKEDO EEC M 3000 CTRL MAX2/RS485 BAM RM3 (3 PZ) KIT CAV | 21.601,40 | |
| CIR50RM1MXBAMQF7V3 | CIRKEDO EEC M 5000 CTRL MAX2/RS485 BAM RM3 (3 PZ) KIT CAV | 25.344,80 | |
| CIR75RM1MXBAMQF7V3 | CIRKEDO EEC M 7500 CTRL MAX2/RS485 BAM RM3 (3 PZ) KIT CAV | 30.503,70 | |

| WALL MURAL ePM1 70%/ePM1 70% (ex. F7/F7) CTRL-MAX2 + post electrical coil batería eléctrica post + simple Kit CAV | | | |
|---|--|---------------------|--|
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| CIR10RM1MXBEQF7 | CIRKEDO EEC M 1000 CTRL MAX2/RS485 BE RM1 KIT CAV | 10.852,90 | |
| CIR20RM1MXBEQF7 | CIRKEDO EEC M 2000 CTRL MAX2/RS485 BE RM1 KIT CAV | 12.324,90 | |
| CIR22RM1MXBEQF7 | CIRKEDO EEC M 2200 CTRL MAX2/RS485 BE RM1 KIT CAV | 15.392,30 | |
| CIR30RM1MXBEQF7 | CIRKEDO EEC M 3000 CTRL MAX2/RS485 BE RM1 KIT CAV | 19.043,60 | |
| CIR50RM1MXBEQF7 | CIRKEDO EEC M 5000 CTRL MAX2/RS485 BE RM1 KIT CAV | 22.583,80 | |
| CIR75RM1MXBEQF7 | CIRKEDO EEC M 7500 CTRL MAX2/RS485 BE RM1 KIT CAV | 27.206,60 | |
| CIR22RM1MXBEQF7V3 | CIRKEDO EEC M 2200 CTRL MAX2/RS485 BE RM3 (3 PZ) KIT CAV | 16.984,30 | |
| CIR30RM1MXBEQF7V3 | CIRKEDO EEC M 3000 CTRL MAX2/RS485 BE RM3 (3 PZ) KIT CAV | 20.822,10 | |
| CIR50RM1MXBEQF7V3 | CIRKEDO EEC M 5000 CTRL MAX2/RS485 BE RM3 (3 PZ) KIT CAV | 24.567,70 | |
| CIR75RM1MXBEQF7V3 | CIRKEDO EEC M 7500 CTRL MAX2/RS485 BE RM3 (3 PZ) KIT CAV | 29.318,10 | |

| WALL MURAL ePM1 70%/ePM1 70% (ex. F7/F7) CTRL-MAX2 + post heating water coil batería de agua caliente post + simple Kit CAV | | | |
|---|--|---------------------|--|
| Code Código | Model Modelo | R.R.P. € P.V.P. € | |
| CIR10RM1MXBAQF7 | CIRKEDO EEC M 1000 CTRL MAX2/RS485 BA RM1 KIT CAV | 10.898,40 | |
| CIR20RM1MXBAQF7 | CIRKEDO EEC M 2000 CTRL MAX2/RS485 BA RM1 KIT CAV | 12.206,10 | |
| CIR22RM1MXBAQF7 | CIRKEDO EEC M 2200 CTRL MAX2/RS485 BA RM1 KIT CAV | 14.870,50 | |
| CIR30RM1MXBAQF7 | CIRKEDO EEC M 3000 CTRL MAX2/RS485 BA RM1 KIT CAV | 18.276,50 | |
| CIR50RM1MXBAQF7 | CIRKEDO EEC M 5000 CTRL MAX2/RS485 BA RM1 KIT CAV | 21.781,30 | |
| CIR75RM1MXBAQF7 | CIRKEDO EEC M 7500 CTRL MAX2/RS485 BA RM1 KIT CAV | 25.904,30 | |
| CIR22RM1MXBAQF7V3 | CIRKEDO EEC M 2200 CTRL MAX2/RS485 BA RM3 (3 PZ) KIT CAV | 16.463,60 | |
| CIR30RM1MXBAQF7V3 | CIRKEDO EEC M 3000 CTRL MAX2/RS485 BA RM3 (3 PZ) KIT CAV | 20.054,90 | |
| CIR50RM1MXBAQF7V3 | CIRKEDO EEC M 5000 CTRL MAX2/RS485 BA RM3 (3 PZ) KIT CAV | 23.765,00 | |
| CIR75RM1MXBAQF7V3 | CIRKEDO EEC M 7500 CTRL MAX2/RS485 BA RM3 (3 PZ) KIT CAV | 28.015,80 | |

FILTERS | FILTROS CIRKEDO EEC

| Replacement filters Supply / Extracción Filtrros para recambio Impulsión / Extracción ePM10 >50%(ex. M5) | | | | | |
|--|--|---------------------------|--------------------------|---------------------------------------|------------------|
| Code Código | Model Modelo | Dimensions Dimensiones | Application Aplicación | Filters for unit Filtros por unidad | R.R.P. P.V.P € |
| FLTCIR10M5 | Filtro ePM10 >50% 625x400x048 mm | 625x400x048 | Cirkedo EEC 1000 | 1x | 93,80 |
| KFLTCIR20M5 | KIT - Filtro ePM10 > 50% 2uds. 460x400x048 mm | 460x400x048 | Cirkedo EEC 2000 | 2x | 133,30 |
| KFLTCIR22M5 | KIT - Filtro ePM10 >50% 1ud. 592x592x048 mm y 1ud. 592x287x048 mm | 592x592x048 + 592x287x048 | Cirkedo EEC 2200 | 1x | 164,10 |
| KFLTCIR30M5 | KIT - Filtro ePM10 > 50% 2uds. 592x592x048 mm | 592x592x048 | Cirkedo EEC 3000-5000 | 2x | 209,70 |
| KFLTCIR75M5 | KIT - Filtro ePM10 >50% 2uds. 592x592x048 mm y 1ud. 592x287x048 mm | 592x592x048 + 592x287x048 | Cirkedo EEC 7500 | 2x | 268,90 |

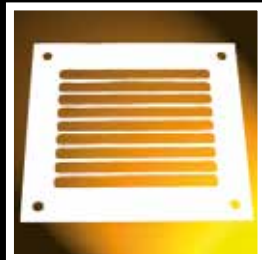
| Replacement filters Supply / Extracción Filtrros para recambio Impulsión / Extracción ePM1 70% (ex. F7) | | | | | |
|---|--|---------------------------|--------------------------|---------------------------------------|------------------|
| Code Código | Model Modelo | Dimensions Dimensiones | Application Aplicación | Filters for unit Filtros por unidad | R.R.P. P.V.P € |
| FLTCIR10F7 | Filtro ePM1 70% 625x400x048 mm | 625x400x048 | Cirkedo EEC 1000 | 1x | 183,80 |
| KFLTCIR20F7 | KIT - Filtro ePM1 70% 2uds. 460x400x048 mm | 460x400x048 | Cirkedo EEC 2000 | 2x | 280,00 |
| KFLTCIR22F7 | KIT - Filtro ePM1 70% 1ud. 592x592x048 mm y 1ud. 592x287x048 mm | 592x592x048 + 592x287x048 | Cirkedo EEC 2200 | 1x | 302,20 |
| KFLTCIR30F7 | KIT - Filtro ePM1 70% 2uds. 592x592x048 mm | 592x592x048 | Cirkedo EEC 3000-5000 | 2x | 391,00 |
| KFLTCIR75F7 | KIT - Filtro ePM1 70% 2uds. 592x592x048 mm y 1ud. 592x287x048 mm | 592x592x048 + 592x287x048 | Cirkedo EEC 7500 | 2x | 497,10 |

Note. - combination of filters: - Exhaust air: 1 filter 48 mm, - Supply air alternative 1: all sizes: 2 filters 48 mm (F7 + pre-filter M5)

Nota. - combinación de filtros: - Exhaust air: 1 filtro 48 mm, - Supply air alternative 1: all sizes: 2 filtro 48 mm (F7 + pre-filtro M5)

ROOF COWL | TEJADILLO CIRKEDO EEC

| Weather modular protective roof for Tejadillo con módulos para lluvia para CIRKEDO EEC | | | | | |
|--|--------------------------|--------------------------|--------------------------|------------------|--|
| Code Código | Model Modelo | Dimensions Dimensiones | Application Aplicación | R.R.P. P.V.P € | |
| TEJCIR10 | TEJ CIRKEDO EEC 1000 | 1600 x 1050 | Cirkedo EEC 1000 | 183,80 | |
| TEJCIR20 | TEJ CIRKEDO EEC 2000 | 1770 x 1370 | Cirkedo EEC 2000 | 267,60 | |
| TEJCIR22 | TEJ CIRKEDO EEC 2200 | 1950 x 1450 | Cirkedo EEC 2200 | 280,00 | |
| TEJCIR22RV3 | TEJ CIRKEDO EEC 2200 RV3 | 1951 x 1450 | Cirkedo EEC 2200 RV3 | 293,60 | |
| TEJCIR30 | TEJ CIRKEDO EEC 3000 | 2080 x 1780 | Cirkedo EEC 3000 | 345,40 | |
| TEJCIR30RV3 | TEJ CIRKEDO EEC 3000 RV3 | 2080 x 1780 | Cirkedo EEC 3000 RV3 | 359,00 | |
| TEJCIR50 | TEJ CIRKEDO EEC 5000 | 2400 x 1900 | Cirkedo EEC 5000 | 429,30 | |
| TEJCIR50RV3 | TEJ CIRKEDO EEC 5000 RV3 | 2400 x 1900 | Cirkedo EEC 5000 RV3 | 446,50 | |
| TEJCIR75 | TEJ CIRKEDO EEC 7500 | 2880 x 2180 | Cirkedo EEC 7500 | 574,80 | |
| TEJCIR75RV3 | TEJ CIRKEDO EEC 7500 RV3 | 2880 x 2180 | Cirkedo EEC 7500 RV3 | 592,00 | |



Mechanical accessories

Accesorios mecánicos

| | | | | | | | | | |
|-------|-----|-----------|---------|-----------------|--------------|--------------|-------|------------|------|
| | | | | | | | | | |
| RP | RP0 | RP1 | RI | RIS | RM | RBS | RA | PC2 | PCP |
| | | | | | | | | | |
| PSD-2 | PI | CMP | BSH/BSV | ISO Coarse >90% | ISO ePM1 70% | ISO ePM1 80% | CPCC | BOX FILTER | CPCR |
| | | | | | | | | | |
| S | DKF | PO | PS | BS | KF | KB | FS | BTI | TM |
| | | | | | | | | | |
| AC | EI | EI DHUMAT | EIS | MBI | MC HB | BA-400 | JE-45 | BAD | BADS |
| | | | | | | | | | |
| BIDS | TCA | TIAC | BAC | CLBI | VIS | TEJ | AVR | AVS | AVT |
| | | | | | | | | | |
| AT | CPS | KV CTH3 | CLBC | AB | SIL-C | SIL-CN | | | |

RP

Protection guard for long cased axial fans

Rejilla de protección para ventiladores helicoidales tubulares



| MANUFACTURING FEATURES

- Protection guard for motor or impeller side to avoid objects introduction. For HC model, RP can be applied only to impeller side.
- Made of welded metal wire.
- According to ROHS 2002/95/EC Directive.

| UNDER REQUEST

- Stainless guard 304 or 316 with electro-polished finishing coat.

| CARACTERÍSTICAS CONSTRUCTIVAS

- Rejilla de protección en el lado del motor y de la hélice contra la entrada de objetos. Para modelo HC, la rejilla RP sólo es aplicable en el lado de la hélice.
- Construida con varilla electrosoldada.
- En cumplimiento con la directiva ROHS 2002/95/EC.

| BAJO DEMANDA

- Rejilla en inoxidable 304 o 316 con acabado electro-pulido.

| Code | Model | Application | Weight Kg | R.R.P € |
|-----------|--------|---------------------------------|-----------|---------|
| Código | Modelo | Aplicable | Peso Kg | P.V.P € |
| 960300100 | RP 35 | HM-HC-HH 35 | 1,5 | 31,70 |
| 960300101 | RP 40 | HM-HC 40 | 1,7 | 32,00 |
| 960310100 | RP 45 | HM-HC-HMF-HH-HHP 45 | 1,9 | 36,60 |
| 960320100 | RP 50 | HM-HC-HCF-HMF 50 | 2,2 | 46,00 |
| 960330100 | RP 56 | HM-HC-HMX-HMF-HCX-HCF-HH-HHP 56 | 3,5 | 47,90 |
| 960330101 | RP 63 | HM-HC-HMX-HMF-HCX-HCF-HH-HHP 63 | 3,7 | 87,20 |
| 960340100 | RP 71 | HM-HC-HMX-HMF-HCX-HCF-HH-HHP 71 | 4,1 | 91,50 |
| 960340101 | RP 80 | HM-HC-HMX-HMF-HCX-HCF 80 | 4,7 | 95,30 |
| 960340102 | RP 90 | HM-HC-HMF-HCF-HH-HHP 90 | 7,3 | 98,40 |
| 960340103 | RP 100 | HM-HC-HMF-HCF 100 | 8,2 | 119,00 |
| 960340105 | RP 112 | HM-HC-HMF-HCF 112 | 9,4 | 261,00 |
| 960340104 | RP 125 | HM-HC-HMF-HCF 125 | 10,1 | 292,00 |

RPO

Outlet protection guard for axial fans

Rejilla de protección en impulsión para ventiladores helicoidales



| MANUFACTURING FEATURES

- Protection grid on the outlet side to avoid the entry of objects and contact with the impeller.
- Made of welded metal wire.
- According to ROHS 2002/95/EC Directive.

| UNDER REQUEST

- Stainless guard 304 or 316 with electro-polished finishing coat.

| CARACTERÍSTICAS CONSTRUCTIVAS

- Rejilla de protección en el lado de la impulsión contra la entrada de objetos y contacto con la hélice.
- Construida con varilla electrosoldada.
- En cumplimiento con la directiva ROHS 2002/95/EC.

| BAJO DEMANDA

- Rejilla en inoxidable 304 o 316 con acabado electro-pulido.

| Code | Model | Application | Weight Kg | R.R.P € |
|-----------|----------|---------------|-----------|---------|
| Código | Modelo | Aplicable | Peso Kg | P.V.P € |
| 980000020 | RPO 20 | HJEM 20 | 0,5 | 28,70 |
| 980000025 | RPO 25 | HJEM 25 | 0,9 | 30,90 |
| 980000030 | RPO 30 | HJEM 30 | 1,1 | 36,80 |
| 980000035 | RPO 35 | HJEM-HJBM 35 | 1,3 | 41,70 |
| 960001212 | RPO 351 | HB 35 | 1,5 | 46,70 |
| 980000040 | RPO 40 | HJBM 40 | 1,7 | 48,50 |
| 960001211 | RPO 400 | HB 40 | 1,7 | 49,50 |
| 980000045 | RPO 45 | HJBM 45 | 2,3 | 51,50 |
| 960001202 | RPO 450 | HB-HBF 45 | 2,3 | 53,10 |
| 980000050 | RPO 50 | HJBM 50 | 2,5 | 55,20 |
| 960001203 | RPO 500 | HB-HBF 50 | 2,5 | 59,30 |
| 980000056 | RPO 56 | HJBM 56 | 3,8 | 59,70 |
| 960001204 | RPO 560 | HB-HBX-HBF 56 | 3,8 | 61,10 |
| 960001205 | RPO 630 | HB-HBX-HBF 63 | 4,2 | 79,90 |
| 960001206 | RPO 710 | HB-HBX-HBF 71 | 4,7 | 105,10 |
| 960001207 | RPO 800 | HB-HBX-HBF 80 | 7,4 | 136,10 |
| 960001208 | RPO 900 | HB-HBF 90 | 8,3 | 158,60 |
| 960001209 | RPO 1000 | HB-HBF 100 | 9,2 | 171,80 |
| 960001213 | RPO 1120 | HB-HBF 112 | 10 | 237,60 |
| 960001210 | RPO 1250 | HB-HBF 125 | 11,5 | 316,70 |

RP1

Inlet protection guard for axial fans

Rejilla de protección en aspiración para ventiladores helicoidales



MANUFACTURING FEATURES

- Inlet protection guard to avoid the entry of objects and contact with the impeller.
- Made of welded metal wire.
- According to ROHS 2002/95/EC Directive.

UNDER REQUEST

- Stainless guard 304 or 316 with electro-polished finishing coat.

CARACTERÍSTICAS CONSTRUCTIVAS

- Rejilla de protección en el lado de la aspiración contra la entrada de objetos y contacto con la hélice.
- Construida con varilla electrosoldada.
- En cumplimiento con la directiva ROHS 2002/95/EC.

BAJO DEMANDA

- Rejilla en inoxidable 304 o 316 con acabado electro-pulido.

To find the RP1 code, choose the fan size on the following table of HB or HC (left column) and the motor size (top row). Once you have the code, go to the last table to check the RRP. Para saber el código de una RP1 escoja en la tabla del HB o del HC el tamaño de ventilador (columna de la izquierda) y el tamaño del motor (fila superior). Cuando tenga el código vaya a la última tabla para saber el PVP.

RP1 selection depending on the HB, HBF, HBX, HBFX fan size and motor | Selección de RP1 según tamaño del ventilador HB, HBF, HBX, HBFX y del motor

| HB | MOTOR SIZE TAMAÑO DEL MOTOR | | | | | | | | | | | | | | |
|-----|-------------------------------|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|
| | 63 | 71 | 80 | 90S | 90L | 100 | 112 | 132S | 132M | 160M | 160L | 180M | 180L | 200 | 225 |
| 35 | 352 | 352 | 353 | | | | | | | | | | | | |
| 40 | | 402 | 402 | 403 | 403 | | | | | | | | | | |
| 45 | 452 | 452 | 452 | 452 | 453 | 453 | | | | | | | | | |
| 50 | | 502 | 502 | 502 | 503 | 503 | | | | | | | | | |
| 56 | | 562 | 562 | 562 | 563 | 563 | | | | | | | | | |
| 63 | | | 631 | 631 | 632 | 633 | | | | | | | | | |
| 71 | | | 712 | 712 | 713 | 714 | 714 | | | | | | | | |
| 80 | | | | 801 | 801 | 802 | 802 | 803 | 803 | | | | | | |
| 90 | | | | | | 902 | 902 | 902 | 902 | 903 | 903 | 904 | 904 | | |
| 100 | | | | | | | 1002 | 1002 | 1002 | 1003 | 1003 | 1004 | 1004 | | |
| 112 | | | | | | | | 1122 | 1122 | 1122 | 1122 | 1122 | 1122 | 1123 | 1124 |
| 125 | | | | | | | | | 1252 | 1252 | 1252 | 1252 | 1252 | 1253 | 1254 |

RP1 selection depending on the HC, HCF, HCX, HCFX fan size and motor | Selección de RP1 según tamaño del ventilador HC, HCF, HCX, HCFX y del motor

| HC | MOTOR SIZE TAMAÑO DEL MOTOR | | | | | | | | | | | | | | |
|-----|-------------------------------|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|
| | 63 | 71 | 80 | 90S | 90L | 100 | 112 | 132S | 132M | 160M | 160L | 180M | 180L | 200 | 225 |
| 35 | 351 | 351 | 351 | | | | | | | | | | | | |
| 40 | | 401 | 401 | 401 | 401 | | | | | | | | | | |
| 45 | 451 | 451 | 451 | 451 | 452 | 452 | | | | | | | | | |
| 50 | | 501 | 501 | 501 | 502 | 502 | | | | | | | | | |
| 56 | | 561 | 561 | 561 | 562 | 562 | | | | | | | | | |
| 63 | | | 631 | 631 | 631 | 632 | 632 | | | | | | | | |
| 71 | | | 711 | 711 | 711 | 711 | 711 | | | | | | | | |
| 80 | | | | 801 | 801 | 801 | 801 | 801 | 801 | | | | | | |
| 90 | | | | | | 901 | 901 | 901 | 901 | 903 | 903 | 903 | 903 | | |
| 100 | | | | | | | 1001 | 1001 | 1001 | 1003 | 1003 | 1003 | 1003 | | |
| 112 | | | | | | | | 1121 | 1121 | 1121 | 1121 | 1121 | 1121 | 1122 | 1122 |
| 125 | | | | | | | | | 1251 | 1251 | 1251 | 1251 | 1251 | 1252 | 1252 |

RP1 code and RRP | Código y PVP de las RP1

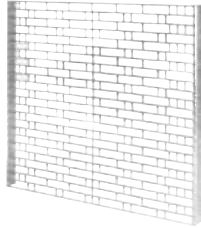
| Code | Model | R.R.P € |
|-----------|---------|---------|
| Código | Modelo | P.V.P € |
| 960003635 | RP1 351 | 59,30 |
| 960003636 | RP1 352 | 62,40 |
| 960003637 | RP1 353 | 65,30 |
| 960003640 | RP1 401 | 68,20 |
| 960003641 | RP1 402 | 71,60 |
| 960003642 | RP1 403 | 75,20 |
| 960003645 | RP1 451 | 76,50 |
| 960003646 | RP1 452 | 80,30 |
| 960003647 | RP1 453 | 84,50 |
| 960003650 | RP1 501 | 95,10 |
| 960003651 | RP1 502 | 99,80 |
| 960003652 | RP1 503 | 104,90 |
| 960003656 | RP1 561 | 111,40 |
| 960003657 | RP1 562 | 116,80 |
| 960003658 | RP1 563 | 122,80 |
| 960003663 | RP1 631 | 156,60 |
| 960003664 | RP1 632 | 164,30 |
| 960003665 | RP1 633 | 172,50 |
| 960003671 | RP1 711 | 179,70 |
| 960003672 | RP1 712 | 188,60 |
| 960003673 | RP1 713 | 198,10 |

| Code | Model | R.R.P € |
|-----------|----------|---------|
| Código | Modelo | P.V.P € |
| 960003674 | RP1 714 | 208,00 |
| 960003680 | RP1 801 | 208,70 |
| 960003681 | RP1 802 | 219,10 |
| 960003682 | RP1 803 | 230,00 |
| 960003690 | RP1 901 | 233,00 |
| 960003691 | RP1 902 | 244,60 |
| 960003692 | RP1 903 | 256,90 |
| 960003693 | RP1 904 | 269,80 |
| 960003610 | RP1 1001 | 278,20 |
| 960003611 | RP1 1002 | 292,20 |
| 960003612 | RP1 1003 | 306,70 |
| 960003613 | RP1 1004 | 322,10 |
| 960003620 | RP1 1121 | 353,60 |
| 960003621 | RP1 1122 | 371,30 |
| 960003622 | RP1 1123 | 389,80 |
| 960003623 | RP1 1124 | 409,30 |
| 960003625 | RP1 1251 | 446,40 |
| 960003626 | RP1 1252 | 468,80 |
| 960003627 | RP1 1253 | 492,00 |
| 960003628 | RP1 1254 | 516,80 |

RI

Outlet protection guard for fans

Rejilla de impulsión para ventiladores



MANUFACTURING FEATURES

- Galvanized protection grid on the outlet side to avoid the entry of objects and contact with the impeller.

CARACTERÍSTICAS CONSTRUCTIVAS

- Rejilla de protección galvanizada para instalarla en la embocadura de impulsión contra la entrada de objetos y contacto con la turbina.

| Code | Model | Application | R.R.P € |
|-----------|-------------|----------------------|---------|
| Código | Modelo | Aplicable | P.V.P € |
| 960000401 | RI 7/7 | BD-BV 7/7 | 22,70 |
| 960000403 | RI 9/7 | BD-BV 9/7 | 21,40 |
| 960000404 | RI 9/9 | BD-BV-BVC 9/9 | 23,30 |
| 960000405 | RI 10/8 | BD-BV 10/8 | 35,00 |
| 960000406 | RI 10/10 | BD-BV-BVC 10/10 | 35,40 |
| 960000407 | RI 12/9 | BD-BV 12/9 | 46,40 |
| 960000408 | RI 12/12 | BD-BV-BVC 12/12 | 46,40 |
| 960000409 | RI 15/15 | BD-BV-BVC-BVCR 15/15 | 68,40 |
| 960000411 | RI 18/18 | BV-BVC-BVCR 18/18 | 87,70 |
| 510100500 | RI 54x4 | | 40,20 |
| 510100600 | RI 66x4 | | 40,20 |
| 510100800 | RI 83x4 | | 40,20 |
| 510100900 | RI 95x68 | | 30,50 |
| 510101000 | RI 105x76 | | 32,40 |
| 510101100 | RI 117x85 | | 36,30 |
| 510101300 | RI 131x95 | | 40,20 |
| 510101400 | RI 146x105 | | 49,60 |
| 510101600 | RI 166x117 | | 53,60 |
| 510101800 | RI 185x131 | | 55,40 |
| 510101200 | RI 124x103 | | 26,80 |
| 510102000 | RI 207x148 | | 40,20 |
| 510102300 | RI 231x166 | | 49,60 |
| 510102500 | RI 258x185 | | 53,60 |
| 510102800 | RI 288x205 | | 55,40 |
| 510103200 | RI 322x229 | | 55,40 |
| 510103600 | RI 361x256 | | 61,10 |
| 510104000 | RI 404x288 | | 80,20 |
| 510104500 | RI 453x322 | | 93,50 |
| 510105000 | RI 507x361 | | 103,20 |
| 510105600 | RI 569x404 | | 114,70 |
| 510106300 | RI 638x453 | | 126,30 |
| 510107100 | RI 715x507 | | 135,70 |
| 510108000 | RI 801x569 | | 141,50 |
| 510108900 | RI 898x638 | | 168,30 |
| 510110000 | RI 1007x715 | | 198,80 |

See the following selection table
Ver tabla de selección a continuación

See the following selection table
Ver tabla de selección a continuación

SELECTION TABLE FOR RI OUTLET GRID | TABLA DE SELECCIÓN DE REJILLA DE IMPULSIÓN RI

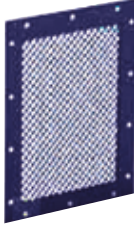
Choose the size (Ø) and the model of the fan in the following table and locate the appropriate size of RI grid for each fan. The indicated sizes correspond to the RI grids.
 Escoja el tamaño (Ø) y el modelo del ventilador en la siguiente tabla y localice el tamaño correspondiente de la rejilla RI. Los tamaños indicados corresponden a las rejillas RI.

| Ø | MBRM/ MTRM | MBRU/ MTRU | MBGR/ MTGR | MTRL | MBZM/ MTZM | AAVM/ AATVM | AAVG/ AATVG | AAVP/ AATVP | AAVC/ AATVC | AAVA/ AATVA | AATA/ AATZA | MBCA/ MTCA |
|------|---------------|---------------|---------------|----------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|---------------|
| 180 | - | - | - | - | - | - | - | - | - | - | - | 185x131 |
| 200 | - | - | - | - | - | - | - | - | - | - | - | 207x148 |
| 220 | 124x103 | - | - | - | 124x103 | - | - | - | - | - | - | 231x166 |
| 250 | 207x148 | 207x148 | - | 258x185 | 207x148 | - | - | - | - | - | - | 258x185 |
| 280 | 231x166 | 231x166 | - | 288x205 | 231x166 | - | - | - | - | - | - | 288x205 |
| 310 | 258x185 | 258x185 | - | 322x229 | 258x185 | - | - | - | - | - | - | 322x229 |
| 350 | 288x205 | 288x205 | - | 361x256 | 288x205 | 146x105 | - | - | - | 54x4 | - | 361x256 |
| 400 | 322x229 | 322x229 | 258x185 | 404x288 | 322x229 | 166x117 | - | 105x76 | - | 54x4 | 95x68 | 404x288 |
| 450 | 361x256 | 361x256 | 288x205 | 453x322 | 361x256 | 185x131 | 185x131 | 117x85 | - | 54x4 | 105x76 | 453x322 |
| 500 | 404x288 | 404x288 | 322x229 | 507x361 | 404x288 | 207x148 | 207x148 | 131x95 | 105x76 | 54x4 | 117x85 | 507x361 |
| 560 | 453x322 | 453x322 | 361x256 | 569x404 | 453x322 | 231x166 | 231x166 | 146x105 | 117x85 | 54x4 | 131x95 | 569x404 |
| 630 | 507x361 | 507x361 | 404x288 | 638x453 | 507x361 | 258x185 | 258x185 | 166x117 | 131x95 | 54x4 | 146x105 | 638x453 |
| 710 | 569x404 | 569x404 | 453x322 | 715x507 | 569x404 | 288x205 | 288x205 | 185x131 | 146x105 | 66x4 | 166x117 | 715x507 |
| 800 | 638x453 | 638x453 | 507x361 | 801x569 | 638x453 | 322x229 | 322x229 | 207x148 | 166x117 | 66x4 | 185x131 | 801x569 |
| 900 | 715x507 | 715x507 | 569x404 | 898x638 | 715x507 | 361x256 | 361x256 | 231x166 | 185x131 | 83x4 | 207x148 | 898x638 |
| 1000 | 801x569 | 801x569 | 638x453 | 1007x715 | 801x569 | 404x288 | 404x288 | 258x185 | 207x148 | 83x4 | 231x166 | 1007x715 |

RIS

Outlet protection guard for STORM fans

Rejilla de impulsión para ventiladores STORM



MANUFACTURING FEATURES

- Protective grid for outlet installation in STORM medium pressure fans.
- Made of rolling steel sheet, protected against corrosion by powder coating of polyester resin.

CARACTERÍSTICAS CONSTRUCTIVAS

- Rejilla de protección para instalarla en la boca de impulsión de los ventiladores de media presión STORM.
- Fabricada en chapa de acero laminado, protegida contra la corrosión mediante recubrimiento de polvo de resina poliéster.

| Code | Model | R.R.P € |
|-----------|-------------|---------|
| Código | Modelo | P.V.P € |
| RIS-31198 | RIS 315x198 | 29,90 |
| RIS-31221 | RIS 315x221 | 29,90 |
| RIS-35224 | RIS 355x224 | 33,00 |
| RIS-35250 | RIS 355x250 | 33,00 |
| RIS-40252 | RIS 400x252 | 43,30 |
| RIS-40281 | RIS 400x281 | 43,30 |
| RIS-45284 | RIS 450x284 | 43,30 |
| RIS-45316 | RIS 450x316 | 43,30 |
| RIS-50316 | RIS 500x316 | 55,60 |
| RIS-50352 | RIS 500x352 | 55,60 |
| RIS-56354 | RIS 560x354 | 61,80 |
| RIS-56394 | RIS 560x394 | 61,80 |
| RIS-63398 | RIS 630x398 | 61,80 |

| Code | Model | R.R.P € |
|-------------|---------------|-----------|
| Código | Modelo | P.V.P € |
| RIS-63443 | RIS 630x443 | 61,80 |
| RIS-71449 | RIS 710x449 | 73,10 |
| RIS-71500 | RIS 710x500 | 73,10 |
| RIS-80505 | RIS 800x505 | 76,20 |
| RIS-80562 | RIS 800x562 | 76,20 |
| RIS-90567 | RIS 900x567 | 90,60 |
| RIS-90633 | RIS 900x633 | 90,60 |
| RIS-100633 | RIS 1000x633 | 107,10 |
| RIS-100704 | RIS 1000x704 | 107,10 |
| RIS-112801 | RIS 1130x801 | Consultar |
| RIS-125898 | RIS 1267x898 | Consultar |
| RIS-1401007 | RIS 1421x1007 | Consultar |

SELECTION TABLE FOR STORM RIS OUTLET GRID | TABLA DE SELECCIÓN DE REJILLA DE IMPULSIÓN PARA STORM RIS

Choose the size (Ø) and the model of the fan in the following table and locate the appropriate size of RIS grid for each fan.

Escoja el tamaño (Ø) y el modelo del ventilador en la siguiente tabla y localice el tamaño correspondiente de la rejilla RIS. Los tamaños indicados corresponden a las rejillas RIS.

| Storm fan size* | RIS |
|--------------------------|-------------|
| Tamaño ventilador Storm* | RIS |
| 311 | RIS 315x198 |
| 312 | RIS 315x198 |
| 313 | RIS 315x221 |
| 314 | RIS 315x221 |
| 351 | RIS 355x224 |
| 352 | RIS 355x224 |
| 353 | RIS 355x250 |
| 354 | RIS 355x250 |
| 401 | RIS 400x252 |
| 402 | RIS 400x252 |
| 403 | RIS 400x281 |
| 404 | RIS 400x281 |
| 451 | RIS 450x284 |
| 452 | RIS 450x284 |
| 453 | RIS 450x316 |
| 454 | RIS 450x316 |
| 501 | RIS 500x316 |
| 502 | RIS 500x316 |
| 503 | RIS 500x352 |
| 504 | RIS 500x352 |
| 561 | RIS 560x354 |
| 562 | RIS 560x354 |
| 563 | RIS 560x394 |
| 564 | RIS 560x394 |
| 631 | RIS 630x398 |

| Storm fan size* | RIS |
|--------------------------|---------------------|
| Tamaño ventilador Storm* | RIS |
| 632 | RIS 630x398 |
| 633 | RIS 630x443 |
| 634 | RIS 630x443 |
| 711 | RIS 710x449 |
| 712 | RIS 710x449 |
| 713 | RIS 710x500 |
| 714 | RIS 710x500 |
| 801 | RIS 800x505 |
| 802 | RIS 800x505 |
| 803 | RIS 800x562 |
| 804 | RIS 800x562 |
| 901 | RIS 900x567 |
| 902 | RIS 900x567 |
| 903 | RIS 900x633 |
| 904 | RIS 900x633 |
| 1001 | RIS 1000x633 |
| 1002 | RIS 1000x633 |
| 1003 | RIS 1000x704 |
| 1004 | RIS 1000x704 |
| 1121 | Consult Consultar |
| 1122 | Consult Consultar |
| 1251 | Consult Consultar |
| 1252 | Consult Consultar |
| 1401 | Consult Consultar |
| 1402 | Consult Consultar |

*The Storm fan can be a NIMUS, NIMAX, PRESTUR, PREXTUR or IGNÉO.
 *El ventilador Storm puede ser NIMUS, NIMAX, PRESTUR, PREXTUR o IGNÉO.

RM

Protection grid for BD fans, motor side

Rejilla de protección para ventiladores BD, lado motor



MANUFACTURING FEATURES

- Motor side protection guard specially designed for low pressure direct driven fans.
- Manufactured in galvanised steel.

CARACTERÍSTICAS CONSTRUCTIVAS

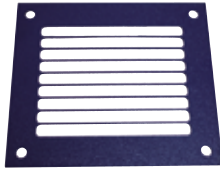
- Rejilla de protección para instalarla en el lado motor de los ventiladores de baja presión a motor directo.
- Fabricada en acero galvanizado.

| Code | Model | Application | R.R.P € |
|----------|-------------|--|---------|
| Código | Modelo | Aplicable | P.V.P € |
| 96000801 | RM 7 (T63) | BD 7/7 | 15,80 |
| 96000806 | RM 9 (T63) | BD9/7-9/9M6 (STC), BD9/7, 9/9 (EC) | 23,60 |
| 96000803 | RM 9 (T80) | BD9/7-9/9M4 (STC) | 23,60 |
| 96000807 | RM 10 (T63) | BD10/8-10/10M6 (STC), BD10/8, 10/10 (EC) | 24,70 |
| 96000804 | RM 10 (T80) | BD 10/8-10/10 M4 (STC) | 24,70 |
| 96000808 | RM 12 (T80) | BD 12/9, BD 12/12 (EC) | 43,40 |
| 96000805 | RM 12 (T90) | BD 12/9, BD 12/12 (STC) | 43,40 |

RBS

Outlet protection guard

Rejilla boca de salida



| MANUFACTURING FEATURES

- Outlet protection guard to avoid the entry of objects and contact with the impeller.
- Made of steel and protected against corrosion with polyester resin powder.

| CARACTERÍSTICAS CONSTRUCTIVAS

- Rejilla de protección para instalarla en la embocadura de impulsión contra la entrada de objetos y contacto con la turbina.
- Fabricado en acero y protegido contra la corrosión con polvo de resina poliéster.

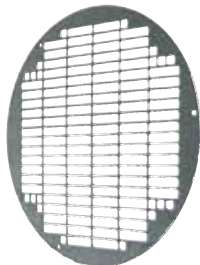
| Code | Model | Application | R.R.P € |
|-----------|-----------|-------------|---------|
| Código | Modelo | Aplicable | P.V.P € |
| 960000352 | RBS 12/5 | MB 12/5 | 8,70 |
| 960000353 | RBS 14/5 | MB 14/5 | 10,20 |
| 960000354 | RBS 16/6 | MB 16/6 | 10,80 |
| 960000355 | RBS 18/7 | MB 18/7 | 14,10 |
| 960000356 | RBS 20/8 | MB 20/8 | 16,70 |
| 960000357 | RBS 22/9 | MB-MT 22/9 | 29,30 |
| 960000358 | RBS 20/6 | MB 20/6 | 11,90 |
| 960000359 | RBS 25/10 | MB-MT 25/10 | 33,30 |
| 960000361 | RBS 28/11 | MB-MT 28/11 | 38,90 |
| 960000362 | RBS 31/12 | MB-MT 31/12 | 45,40 |
| 960000363 | RBS 35/14 | MB-MT 35/14 | 45,30 |
| 960000364 | RBS 40/16 | MB-MT 40/16 | 53,50 |
| 960000365 | RBS 45/18 | MB-MT 45/18 | 64,60 |
| 960000368 | RBS 63/20 | MT 63/20 | 104,40 |

| Code | Model | Application | R.R.P € |
|-----------|----------|-------------|---------|
| Código | Modelo | Aplicable | P.V.P € |
| 960000371 | RBS 45/5 | AA45/5 | 26,60 |
| 960000372 | RBS 50/5 | AA50/5 | 31,10 |
| 960000373 | RBS 60/7 | AA60/7 | 33,90 |
| 960000374 | RBS 47 | AA47-53 | 8,10 |
| 960000375 | RBS 59 | AA59-66-70 | 9,40 |
| 960000376 | RBS 18 | MA18 | 5,80 |
| 960000377 | RBS 24 | MA24 | 6,60 |
| 960000378 | RBS 25 | MA25 | 7,70 |
| 960000379 | RBS 26 | MA26 | 9,10 |
| 960000381 | RBS 27 | MA27 | 10,80 |
| 960000382 | RBS 28 | MA28 | 13,70 |
| 960000383 | RBS 31 | MA31 | 15,60 |

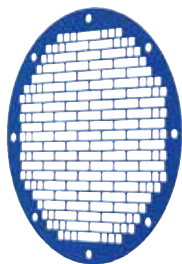
RA-RAI

Inlet protection guard for centrifugal fans

Rejilla de aspiración para ventiladores centrífugos



RA 19-39



RA 10/4-71/22



RAI

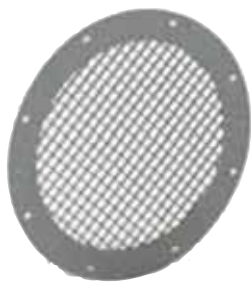
| MANUFACTURING FEATURES

- Inlet protection guard to avoid the entry of objects and contact with the impeller.
- RA 7, 9, 10, 12 and 15 models made of galvanised steel. The rest of models are made of steel with polyester resin powder. RAI made of stainless steel AISI 304.

| CARACTERÍSTICAS CONSTRUCTIVAS

- Rejilla de protección para instalarla en la embocadura de aspiración para evitar la entrada de objetos y el contacto con la turbina.
- Fabricada en acero galvanizado los modelos RA 7, 9, 10, 12 y 15. Resto de modelos fabricados en acero con recubrimiento de polvo de resina de poliéster. RAI fabricada en acero inoxidable AISI 304.

| Code | Model | Application | R.R.P € |
|-----------|-----------|--|---------|
| Código | Modelo | Aplicable | P.V.P € |
| 960610100 | RA 7 | BD 7/7 | 14,80 |
| 960630100 | RA 9 | BD 9/7, BD 9/9 | 20,50 |
| 960650100 | RA 10 | BD 10/8, BD 10/10 | 20,50 |
| 960670100 | RA 12 | BD 12/9, BD 12/12 | 34,80 |
| 960690100 | RA 15 | BD 15/15 | 47,50 |
| 253051901 | RA 10/4 | MA18-24 | 7,80 |
| 253061901 | RA 12/5 | MB12/5 MA25-26 | 7,90 |
| 253101901 | RA 14/5 | MB14/5 MA27-28 | 7,90 |
| 253111901 | RA 16/6 | MB16/6 MA31 AA47-53 | 11,70 |
| 253171901 | RA 18/7 | MB18/7 AA59-66-70-45/5 | 17,50 |
| 253191901 | RA 20/6 | MB20/6-20/8 | 15,80 |
| 253201901 | RA 22/9 | MB-MT 22/9-AA50/5 | 19,00 |
| 253281901 | RA 25/10 | MB-MBC-MT 25/10-AA60/7 | 20,00 |
| 253361901 | RA 28/11 | MB-MBC-MT 28/11 | 23,50 |
| 253451901 | RA 31/12 | MB-MBC-MT 31/12 | 31,60 |
| 253481901 | RA 35/14 | MB-MBC-MT 35/14 | 32,40 |
| 253511901 | RA 40/16 | MB-MBC-MT 40/16 | 39,40 |
| 253531901 | RA 45/18 | MB-MBC-MT 45/18 | 61,00 |
| 254541901 | RA 63/20 | MT 63/20 | 97,30 |
| 243801901 | RA 80 | | 118,50 |
| 243901901 | RA 90 | See the following selection table Ver tabla de selección a continuación | 149,40 |
| 243101901 | RA 100 | | 185,40 |
| 300716102 | RAI 10/5 | MDI 10/5 | 31,60 |
| 300716502 | RAI 13/8 | MDI 13/6 - 13/8 | 37,20 |
| 300716702 | RAI 16/8 | MDI 16/8 | 38,30 |
| 300716902 | RAI 18/8 | MDI 18/8 | 47,00 |
| 300717102 | RAI 20/10 | MDI 20/10 | 70,00 |
| 300717302 | RAI 25/13 | MDI 25/13 | 63,00 |



RA 130-1007

| Code | Model | Application | R.R.P € |
|-----------|------------|-------------|---------|
| Código | Modelo | Aplicable | P.V.P € |
| 510001300 | RA 130x4 | | 40,00 |
| 510001400 | RA 145x8 | | 45,60 |
| 510001600 | RA 165x8 | | 51,00 |
| 510001800 | RA 185x8 | | 51,00 |
| 510002000 | RA 205x8 | | 58,20 |
| 510002200 | RA 228x8 | | 69,20 |
| 510002500 | RA 255x8 | | 76,40 |
| 510002800 | RA 285x8 | | 82,00 |
| 510003200 | RA 320x8 | | 89,10 |
| 510003600 | RA 360x8 | | 96,40 |
| 510004000 | RA 405x8 | | 107,30 |
| 510004500 | RA 455x8 | | 114,70 |
| 510005000 | RA 505x8 | | 125,40 |
| 510004001 | RA 405x12 | | 107,30 |
| 510004501 | RA 455x12 | | 114,70 |
| 510005001 | RA 505x12 | | 125,40 |
| 510005600 | RA 565x12 | | 136,50 |
| 510006300 | RA 635x12 | | 165,60 |
| 510005601 | RA 565x16 | | 136,50 |
| 510006301 | RA 635x16 | | 165,60 |
| 510007100 | RA 715x16 | | 194,70 |
| 510008000 | RA 805x16 | | 220,20 |
| 510009000 | RA 905x16 | | 267,50 |
| 510010000 | RA 1007x24 | | 307,60 |

See the following selection table
Ver tabla de selección a continuación

SELECTION TABLE FOR RA INLET GRID | TABLA DE SELECCIÓN DE REJILLA DE ASPIRACIÓN RA

Choose the size (Ø) and the model of the fan in the following table and locate the appropriate size of RA grid for each fan. The indicated sizes correspond to the RA grids.
Escoja el tamaño (Ø) y el modelo del ventilador en la siguiente tabla y localice el tamaño correspondiente de la rejilla RA. Los tamaños indicados corresponden a las rejillas RA.

| Ø | MBRM/ MTRM | MBRU/ MTRU | MBGR/ MTGR | MTRL | MBZM/ MTZM | AAVM/ AATVM | AAVG/ AAZVG | AAVP/ AATVP | AAVC/ AATVC | AAVA/ AATVA | AAZA/ AATZA | MBCA/ MTCA |
|------|---------------|---------------|---------------|---------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|---------------|
| 180 | - | - | - | - | - | - | - | - | - | - | - | 185-8 |
| 200 | - | - | - | - | - | - | - | - | - | - | - | 205-8 |
| 220 | 103-4 | - | - | - | 130-4 | - | - | - | - | - | - | 228-8 |
| 250 | 185-8 | 205-8 | - | 255-8 | 185-8 | - | - | - | - | - | - | 255-8 |
| 280 | 205-8 | 228-8 | - | 285-8 | 205-8 | - | - | - | - | - | - | 285-8 |
| 310 | 228-8 | 255-8 | - | 320-8 | 228-8 | - | - | - | - | 145-8 | - | 320-8 |
| 350 | 255-8 | 285-8 | - | 360-8 | 255-8 | 185-8 | - | - | - | 145-8 | - | 360-8 |
| 400 | 285-8 | 320-8 | 255-8 | 405-8 | 285-8 | 205-8 | - | 145-8 | - | 145-8 | 130-8 | 405-8 |
| 450 | 320-8 | 360-8 | 285-8 | 455-8 | 320-8 | 228-8 | 225-8 | 165-8 | - | 145-8 | 145-8 | 455-8 |
| 500 | 360-8 | 405-12 | 320-8 | 505-8 | 360-8 | 255-8 | 255-8 | 185-8 | 145-8 | 145-8 | 165-8 | 505-8 |
| 560 | 405-12 | 455-12 | 360-8 | 565-16 | 405-12 | 285-8 | 285-8 | 205-8 | 165-8 | 145-8 | 185-8 | 565-16 |
| 630 | 455-12 | 505-12 | 405-12 | 635-16 | 455-12 | 320-8 | 320-8 | 228-8 | 185-8 | 145-8 | 205-8 | 635-16 |
| 710 | 505-12 | 565-12 | 455-12 | 715-16 | 505-12 | 360-8 | 360-8 | 255-8 | 205-8 | 165-8 | 228-8 | 715-16 |
| 800 | 565-12 | 635-12 | 505-12 | 805-16 | 565-12 | 405-12 | 405-12 | 285-8 | 228-8 | 165-8 | 255-8 | 805-16 |
| 900 | 635-12 | 715-16 | 565-12 | 905-16 | 635-12 | 455-12 | 455-12 | 320-8 | 255-8 | 185-8 | 285-8 | 905-16 |
| 1000 | 715-16 | 805-16 | 635-12 | 1007-16 | 715-16 | 505-12 | 505-12 | 360-8 | 285-8 | 185-8 | 320-8 | 1007-16 |

SELECTION TABLE FOR RAS INLET GRID FOR STORM | TABLA DE SELECCIÓN DE REJILLA DE ASPIRACIÓN RAS PARA STORM

Choose the size (Ø) and the model of the fan in the following table and locate the appropriate size of RA grid for each fan.
Escoja el tamaño (Ø) y el modelo del ventilador en la siguiente tabla y localice el tamaño correspondiente de la rejilla RA.

| Storm fan size* | RA | Storm fan size* | RA | Storm fan size* | RA |
|--------------------------|----------|--------------------------|----------|--------------------------|--------|
| Tamaño ventilador Storm* | RA | Tamaño ventilador Storm* | RA | Tamaño ventilador Storm* | RA |
| 311 | RA 31/12 | 502 | RA 50/16 | 803 | RA 80 |
| 312 | RA 31/12 | 503 | RA 50/16 | 804 | RA 80 |
| 313 | RA 31/12 | 504 | RA 50/16 | 901 | RA 90 |
| 314 | RA 31/12 | 561 | RA 56/18 | 902 | RA 90 |
| 351 | RA 35/14 | 562 | RA 56/18 | 903 | RA 90 |
| 352 | RA 35/14 | 563 | RA 56/18 | 904 | RA 90 |
| 353 | RA 35/14 | 564 | RA 56/18 | 1001 | RA 100 |
| 354 | RA 35/14 | 631 | RA 63/20 | 1002 | RA 100 |
| 401 | RA 40/16 | 632 | RA 63/20 | 1003 | RA 100 |
| 402 | RA 40/16 | 633 | RA 63/20 | 1004 | RA 100 |
| 403 | RA 40/16 | 634 | RA 63/20 | 1121 | RA 112 |
| 404 | RA 40/16 | 711 | RA 71/22 | 1122 | RA 112 |
| 451 | RA 45/18 | 712 | RA 71/22 | 1251 | RA 125 |
| 452 | RA 45/18 | 713 | RA 71/22 | 1252 | RA 125 |
| 453 | RA 45/18 | 714 | RA 71/22 | 1401 | RA 140 |
| 454 | RA 45/18 | 801 | RA 80 | 1402 | RA 140 |
| 501 | RA 50/16 | 802 | RA 80 | | |

* The indicated sizes correspond to the RA grids applied to STORM fans like: NIMUS, NIMAX, PRESTUR, PREXTUR or IGNÉO.
* Los tamaños indicados corresponden a las rejillas RA aplicadas los ventiladores STORM como: NIMUS, NIMAX, PRESTUR, PREXTUR o IGNÉO.

PC2

Aluminium gravity shutter

Persiana de sobrepresión en aluminio



| MANUFACTURING FEATURES

- Overpressure backward damper for facade made of extruded aluminum and standard natural aluminum finishing.
- It incorporates weatherstrip in the fins to achieve greater efficiency in the closure and noise damping.
- Maintains overpressure or depression inside a room with respect to the outside or other adjacent rooms.
- Drills incorporated in frame for wall or duct fixing with screws or rivets.
- Recommended maximum air passage speed 6m/s. Maximum temperature of 80°C.

| CARACTERÍSTICAS CONSTRUCTIVAS

- Compuerta de sobrepresión antirretorno para fachada fabricada en aluminio extruido y acabado estándar aluminio natural.
- Incorpora burllete en las aletas para lograr una mayor eficacia en el cierre y en la amortiguación de ruidos.
- Mantiene la sobrepresión o depresión dentro de un local con respecto al exterior u otro local contiguo.
- Incorporan en el bastidor taladros para fijación en paramento o conducto mediante tornillos o remaches.
- Velocidad máxima recomendada de paso del aire 6m/s. Temperatura máxima de 80°C.

| Code | Model | Dimensions (mm) | Application | R.R.P € |
|-----------|---------|------------------|---------------------|---------|
| Código | Modelo | Dimensiones (mm) | Aplicable | P.V.P € |
| PC23030 | PC2 30 | 300 x 300 | HJEM 30 | 100,10 |
| PC24040 | PC2 40 | 400 x 400 | HJBM-HB-HC-HM 35-40 | 135,30 |
| PC25050 | PC2 50 | 500 x 500 | HJBM-HB-HC-HM 45-50 | 173,20 |
| PC26060 | PC2 60 | 600 x 600 | HJBM-HB-HC-HM 56 | 213,90 |
| PC27070 | PC2 70 | 700 x 700 | HB-HC-HM 63 | 257,20 |
| PC28080 | PC2 80 | 800 x 800 | HB-HC-HM 71-80 | 303,30 |
| PC2100100 | PC2 100 | 1000 x 1000 | HB-HC-HM 90-100 | 403,80 |

PSD-2 / PCP

Plastic gravity shutter

Persiana sobre presión en plástico



PSD-2



PCP

| MANUFACTURING FEATURES

- PSD-2 totally made of PS.
- PCP louvres made of PVC and frame made of ABS up to size 71, PVC for higher models.
- Totally made of PVC plastic.
- Protected against UV rays.
- When the fan is running, the shutter is open by air force and it is closed when the fan is stopped.
- Maximum air speed: 16m/s.

| CARACTERÍSTICAS CONSTRUCTIVAS

- PSD-2 totalmente fabricada en PS.
- Lamas de PCP hechas de PVC y marco de ABS hasta el tamaño 71, marco de PVC para modelos superiores.
- Protección contra rayos UVA.
- Funciona con el flujo de aire abriéndose en funcionamiento y cerrándose cuando el ventilador está cerrado.
- Velocidad máxima del aire: 16m/s.

| Code | Model | Application | R.R.P € |
|-----------|-----------|---------------------------|---------|
| Código | Modelo | Aplicable | P.V.P € |
| 300925900 | PSD-2 100 | Conductos circulares Ø100 | 9,10 |
| 300926000 | PSD-2 125 | Conductos circulares Ø125 | 14,60 |
| 300926100 | PSD-2 150 | Conductos circulares Ø150 | 15,60 |
| 963190105 | PCP 20 | HJEM 20 | 72,90 |
| 963200105 | PCP 25 | HJEM 25 | 70,90 |
| 963220105 | PCP 30 | HJEM-HJBM 30 | 76,80 |
| 963230105 | PCP 35 | HJEM-HJBM-HH 35 | 89,90 |
| 963230106 | PCP 40 | HJBM 40 | 90,00 |
| 963240105 | PCP 45 | HJBM-HB-HC-HM-HH-HHP 45 | 127,80 |
| 963240106 | PCP 50 | HJBM-HB-HC-HM 50 | 162,90 |
| 963250105 | PCP 56 | HJBM-HB-HC-HM-HH-HHP 56 | 217,70 |
| 963250106 | PCP 63 | HJBM-HB-HC-HM-HH-HHP 63 | 276,60 |
| 963260105 | PCP 71 | HB-HC-HM-HH-HHP 71 | 385,70 |
| 963270105 | PCP 80 | HH-HB-HC-HM-HB-HC-HMA 80 | 432,00 |
| 963280105 | PCP 90 | HH-HHP-HB-HC-HM 90 | 534,90 |
| 963290105 | PCP 100 | HB-HC-HM 100 | 664,90 |

PI

Metallic gravity shutter cabinet fans

Persiana sobre presión metálica para cajas de ventilación



| MANUFACTURING FEATURES

- Frame made of galvanised sheet and shutters made of aluminium.
- To be fitted on centrifugal fans like BVFC, BOX BD and BOX BV.
- Certified 400°C/2h.

| CARACTERÍSTICAS CONSTRUCTIVAS

- Marco en chapa galvanizada y lamas en aluminio.
- Para montaje en ventiladores centrífugos como BVFC, BOX BD y BOX BV.
- Certificado para 400°C/2h.

| Code | Model | Application | R.R.P € |
|-----------|------------------|----------------------------|---------|
| Código | Modelo | Aplicable | P.V.P € |
| 970190100 | PI 19/19 (7/7) | BOX BD, BOX BV 7/7 | 72,10 |
| 970250100 | PI 25/25 (9/9) | BOX BD, BOX BV, BVFC 9/9 | 87,20 |
| 970280100 | PI 28/28 (10/10) | BOX BD, BOX BV, BVFC 10/10 | 105,40 |
| 970330100 | PI 33/33 (12/12) | BOX BD, BOX BV, BVFC 12/12 | 135,40 |
| 970390100 | PI 39/39 (15/15) | BOX BD, BOX BV, BVFC 15/15 | 163,70 |
| 970470100 | PI 47/47 (18/18) | BOX BD, BOX BV, BVFC 18/18 | 238,00 |

CMP

Galvanized depression shutter for horizontal placement

Compuerta de depresión galvanizada para colocación horizontal



MANUFACTURING FEATURES

- Made of galvanized steel and aluminum moving fins.
- Depression damper for ascending air flow in inlet.
- The slats hinder the passage of air when the fan is stopped, but when the fan is running the slats move by depression allowing the passage of air.
- Duct installation when working plenum.

The CMP for the BOX RL series must be located at a distance of 1.5 times the diameter of the impeller.

CARACTERÍSTICAS CONSTRUCTIVAS

- Fabricada en acero galvanizado y aletas móviles de aluminio.
- Compuerta de depresión para flujo de aire ascendente en la aspiración.
- Las lamas obstaculizan el paso del aire cuando el ventilador está parado mientras que cuando el ventilador está funcionando las lamas se mueven por depresión permitiendo el paso del aire.
- Instalación en conducto trabajando a plenum.

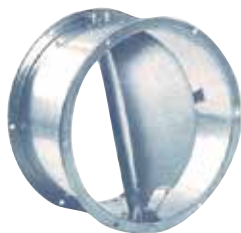
El CMP para las series BOX RL debe situar a una distancia de 1,5 veces el diámetro de la turbina.

| Code | Model | Dimensions | Application | R.R.P € |
|-----------|---------------|-------------|---|---------|
| Código | Modelo | Dimensiones | Aplicable | P.V.P € |
| CMP3031 | CMP 300x310 | 300 x 310 | CTH3 225/250/280/315, CTH4 315, BOX RL PLUS EVO 250 y 315. | 90,70 |
| CMP5051 | CMP 500x510 | 500 x 510 | CTH3-CTH4 355/400/450, BOX BD/BV 7/7 a 9/9, BOX RL 355, 400 y 450. | 141,50 |
| CMP8081 | CMP 800x810 | 800 x 810 | CTH3-CTH4 500/560/630, BOX BD/BV 10/8 a 15/15, BOX RL 500, 560 y 630. | 230,50 |
| CMP100101 | CMP 1000x1010 | 1000 x 1010 | CTH3-CTH4 710/800, BOX BV 18/18 y 20/20, BOX RL 710 y 800. | 298,10 |

BSH-BSV

Horizontal or vertical butterfly shutter

Compuerta de sobrepresión horizontal o vertical para ventiladores helicoidales



MANUFACTURING FEATURES

- Made of cold-galvanized steel sheet.
- Overpressure damper BSH/BSV is used in duct and it is installed in the outlet side.
- Available for vertical and horizontal ducting.
- Designed for fan insulation from the rest of the installation and avoid any risk of recirculation.
- The fins of the BSH/BSV damper are opened by the air flow when the fan runs and close under the effect of gravity when fan stops.
- The overpressure damper BSH/BSV (backward) has the shape of a casing taking the dimensions of the standard Casals flanges diameters. On this dimension, two fins of sheet metal are adapted, each one of them turning on an axis that passes through the casing, and they stop at the end with two fixed stops.
- Maximum working temperature in the environment: 60°C.

CARACTERÍSTICAS CONSTRUCTIVAS

- Fabricadas en chapa de acero galvanizado en frío.
- La compuerta de sobrepresión BSH/BSV se usa en conducto y va en la impulsión de los ventiladores.
- Disponible para conducto vertical y horizontal.
- Diseñado para aislar el ventilador del resto de la instalación y evitar cualquier riesgo de recirculación.
- Las aletas de la compuerta BSH/BSV se abren por el flujo de aire al ponerse en marcha del ventilador y se cierran bajo el efecto de la gravedad cuando se detiene.
- La compuerta de sobrepresión BSH/BSV (antirretorno) tiene la forma de un envolvente tomando las dimensiones de los diámetros de las bridas estándares de Casals. Sobre esta base, se adaptan dos aletas de chapa metálica, cada una de ellas girando sobre un eje que pasa a través de la carcasa, y se detienen al final de la carrera mediante dos paradas fijas a la misma.
- Temperatura máxima de trabajo en ambiente: 60°C.

| Code | Model | Application | Weight kg | R.R.P € |
|-------------|----------|--|-----------|----------|
| Código | Modelo | Aplicable | Peso kg | P.V.P € |
| COMPBSH250 | BSH 250 | BOX RL PLUS EVO 250. | 5,10 | 186,80 |
| COMPBSH315 | BSH 315 | HMR 315,HMRF 315, BOX RL PLUS EVO 315. | 6,80 | 187,50 |
| COMPBSH350 | BSH 350 | HM 35, HC 35, HH 35, BOX RL 35, HMR 355. Incluidas versiones Fuego, Atex y FX. | 7,80 | 196,20 |
| COMPBSH400 | BSH 400 | HM 40, HC 40, BOX RL 400, HMR 400. Incluidas versiones Fuego, Atex y FX. | 8,90 | 218,30 |
| COMPBSH450 | BSH 450 | HM 45, HC 45, HH 45, HHP 45, BOX RL 450, HMR 450, BOX HB 45. Incluidas versiones Fuego, Atex y FX. | 10,20 | 220,30 |
| COMPBSH500 | BSH 500 | HM 50, HC 50, BOX RL 500, HMR 500, BOX HB 500. Incluidas versiones Fuego, Atex y FX. | 11,60 | 240,30 |
| COMPBSH560 | BSH 560 | HM 56, HC 56, HH 56, HHP 56, BOX RL 560, HMR 560, BOX HB 56. Incluidas versiones Fuego, Atex y FX. | 13,30 | 266,40 |
| COMPBSH630 | BSH 630 | HM 63, HC 63, HH 630, HHP 630, BOX RL 630, HMR 630, BOX HB 63. Incluidas versiones Fuego, Atex y FX. | 15,40 | 295,40 |
| COMPBSH710 | BSH 710 | HM 71, HC 71, HH 71, HHP 71, BOX RL 710, HMR 710, BOX HB 71. Incluidas versiones Fuego, Atex y FX. | 17,70 | 333,40 |
| COMPBSH800 | BSH 800 | HM 80, HC 80, BOX RL 800, HMR 800, BOX HB 80. Incluidas versiones Fuego, Atex y FX. | 21,10 | 387,70 |
| COMPBSH900 | BSH 900 | HM 90, HC 90, HH 90, HHP 90, BOX HB 90. Incluidas versiones Fuego, Atex y FX. | 39,20 | 608,80 |
| COMPBSH1000 | BSH 1000 | HM 100, HC 100, BOX HB 100. Incluidas versiones Fuego, Atex y FX. | 44,10 | 719,50 |
| COMPBSH1120 | BSH 1120 | HM 112, HC 112, BOX HB 112. Incluidas versiones Fuego, Atex y FX. | 58,20 | 857,10 |
| COMPBSH1250 | BSH 1250 | HM 125, HC 125, BOX HB 125. Incluidas versiones Fuego, Atex y FX. | 83,80 | 1.101,60 |

| Code | Model | Application | Weight kg | R.R.P € |
|-------------|----------|--|-----------|----------|
| Código | Modelo | Aplicable | Peso kg | P.V.P € |
| COMPBSV250 | BSV 250 | BOX RL PLUS EVO 250. | 5,10 | 186,80 |
| COMPBSV315 | BSV 315 | HMR 315,HMRF 315, BOX RL PLUS EVO 315. | 6,80 | 187,50 |
| COMPBSV350 | BSV 350 | HM 35, HC 35, HH 35, BOX RL 35, HMR 355. Incluidas versiones Fuego, Atex y FX. | 7,80 | 196,20 |
| COMPBSV400 | BSV 400 | HM 40, HC 40, BOX RL 400, HMR 400. Incluidas versiones Fuego, Atex y FX. | 8,90 | 218,30 |
| COMPBSV450 | BSV 450 | HM 45, HC 45, HH 45, HHP 45, BOX RL 450, HMR 450, BOX HB 45. Incluidas versiones Fuego, Atex y FX. | 10,20 | 220,30 |
| COMPBSV500 | BSV 500 | HM 50, HC 50, BOX RL 500, HMR 500, BOX HB 500. Incluidas versiones Fuego, Atex y FX. | 11,60 | 240,30 |
| COMPBSV560 | BSV 560 | HM 56, HC 56, HH 56, HHP 56, BOX RL 560, HMR 560, BOX HB 56. Incluidas versiones Fuego, Atex y FX. | 13,30 | 266,40 |
| COMPBSV630 | BSV 630 | HM 63, HC 63, HH 630, HHP 630, BOX RL 630, HMR 630, BOX HB 63. Incluidas versiones Fuego, Atex y FX. | 15,40 | 295,40 |
| COMPBSV710 | BSV 710 | HM 71, HC 71, HH 71, HHP 71, BOX RL 710, HMR 710, BOX HB 71. Incluidas versiones Fuego, Atex y FX. | 17,70 | 333,40 |
| COMPBSV800 | BSV 800 | HM 80, HC 80, BOX RL 800, HMR 800, BOX HB 80. Incluidas versiones Fuego, Atex y FX. | 21,10 | 387,70 |
| COMPBSV900 | BSV 900 | HM 90, HC 90, HH 90, HHP 90, BOX HB 90. Incluidas versiones Fuego, Atex y FX. | 39,20 | 608,80 |
| COMPBSV1000 | BSV 1000 | HM 100, HC 100, BOX HB 100. Incluidas versiones Fuego, Atex y FX. | 44,10 | 874,70 |
| COMPBSV1120 | BSV 1120 | HM 112, HC 112, BOX HB 112. Incluidas versiones Fuego, Atex y FX. | 58,20 | 976,30 |
| COMPBSV1250 | BSV 1250 | HM 125, HC 125, BOX HB 125. Incluidas versiones Fuego, Atex y FX. | 83,80 | 1.198,60 |

FILTERS

High and medium efficiency filters

Filtros de media y alta eficiencia



MANUFACTURING FEATURES

- Made of folded synthetic material.
- ISO COARSE>90% and ISO ePM10 50%: medium efficiency filter
- ISO ePM1 70% and ISO ePM1 80%: high efficiency filter. Long-lasting compact cell.

* Please, when placing the order, indicate two units of this code. Only for BOX FILTER 15 and 18

CARACTERÍSTICAS CONSTRUCTIVAS

- Fabricado en material sintético plegado.
- ISO COARSE>90% y ISO ePM10 50%: filtro de eficiencia media
- ISO ePM1 70% y ISO ePM1 80%: filtro de alta eficiencia. Célula compacta de larga duración.

* Por favor, cuando haga el pedido indique dos unidades de este código. Sólo para BOX FILTER 15 y 18.

FILTER FOR BOX CA | FILTROS PARA BOX CA

ISO Coarse > 90% (G4)

| Code | Model | Application | R.R.P € |
|-----------|---------------------------------------|--------------------|---------|
| Código | Modelo | Aplicable | P.V.P € |
| 300584805 | FILT. Coarse>90% (BOX BD/BVCA 7/7) | BOX BD/BV CA 7/7 | 25,50 |
| 300585405 | FILT. Coarse>90% (BOX BD/BV CA 9/9) | BOX BD/BV CA 9/9 | 28,50 |
| 300584905 | FILT. Coarse>90% (BOX BD/BV CA 10/10) | BOX BD/BV CA 10/10 | 30,90 |
| 300585005 | FILT. Coarse>90% (BOX BD/BV CA 12/12) | BOX BD/BV CA 12/12 | 35,50 |

FILTER FOR SB FILTER | FILTROS PARA SB FILTER

ISO Coarse > 90% (G4)

| Code | Model | Application | R.R.P € |
|-----------|-----------------------------------|---------------|---------|
| Código | Modelo | Aplicable | P.V.P € |
| 960003726 | FILT. Coarse >90% (SB FILTER 160) | SB FILTER 160 | 17,10 |
| 960003727 | FILT. Coarse >90% (SB FILTER 200) | SB FILTER 200 | 17,10 |
| 960003728 | FILT. Coarse >90% (SB FILTER 250) | SB FILTER 250 | 18,60 |
| 960003729 | FILT. Coarse >90% (SB FILTER 280) | SB FILTER 280 | 22,70 |
| 960003730 | FILT. Coarse >90% (SB FILTER 315) | SB FILTER 315 | 22,70 |
| 960003731 | FILT. Coarse >90% (SB FILTER 355) | SB FILTER 355 | 27,70 |
| 960003732 | FILT. Coarse >90% (SB FILTER 400) | SB FILTER 400 | 31,40 |

ISO ePM1 70% (F7)

| Code | Model | Application | R.R.P € |
|-----------|--------------------------------|---------------|---------|
| Código | Modelo | Aplicable | P.V.P € |
| 960003733 | FILT. ePM1 70% (SB FILTER 160) | SB FILTER 160 | 44,60 |
| 960003734 | FILT. ePM1 70% (SB FILTER 200) | SB FILTER 200 | 44,60 |
| 960003735 | FILT. ePM1 70% (SB FILTER 250) | SB FILTER 250 | 66,80 |
| 960003736 | FILT. ePM1 70% (SB FILTER 280) | SB FILTER 280 | 81,50 |
| 960003737 | FILT. ePM1 70% (SB FILTER 315) | SB FILTER 315 | 81,50 |
| 960003738 | FILT. ePM1 70% (SB FILTER 355) | SB FILTER 355 | 112,70 |
| 960003739 | FILT. ePM1 70% (SB FILTER 400) | SB FILTER 400 | 129,50 |

ISO ePM1 > 80% (F9)

| Code | Model | Application | R.R.P € |
|-----------|---------------------------------|---------------|---------|
| Código | Modelo | Aplicable | P.V.P € |
| 960003740 | FILT. ePM1 >80% (SB FILTER 160) | SB FILTER 160 | 46,80 |
| 960003741 | FILT. ePM1 >80% (SB FILTER 200) | SB FILTER 200 | 46,80 |
| 960003742 | FILT. ePM1 >80% (SB FILTER 250) | SB FILTER 250 | 70,00 |
| 960003743 | FILT. ePM1 >80% (SB FILTER 280) | SB FILTER 280 | 85,40 |
| 960003744 | FILT. ePM1 >80% (SB FILTER 315) | SB FILTER 315 | 85,40 |
| 960003745 | FILT. ePM1 >80% (SB FILTER 355) | SB FILTER 355 | 118,20 |
| 960003746 | FILT. ePM1 >80% (SB FILTER 400) | SB FILTER 400 | 135,70 |

BOX FILTER

External box filter

Caja portafiltros exterior



MANUFACTURING FEATURES

- Box with 30 mm aluminum profile structure, nylon corners, galvanized sandwich panels with internal insulation rockwool (25mm thickness) class A1 (non-combustible) of 90kg/m³ density. All panels are equipped with "fastening system" for the quick assembly and disassembly whenever required, either for cleaning or maintenance.
- Box is supplied without filters.

CARACTERÍSTICAS CONSTRUCTIVAS

- Caja con estructura de perfil de aluminio de 30 mm, esquinas de nylon y panel sándwich de acero galvanizado con aislamiento interno de lana de roca de 25 mm de espesor clase A1 (no combustible) y 90 kg/m³ de densidad. Todos los paneles disponen de "fastening system" (fijación rápida) para el montaje y desmontaje sencillo cada vez que se requiera, ya sea para tareas de limpieza o mantenimiento.
- El cajón se suministra sin filtro.

| Code | Model | R.R.P € |
|-----------|---------------|---------|
| Código | Modelo | P.V.P € |
| 251168471 | BOX FILTER 7 | 204,40 |
| 251288471 | BOX FILTER 9 | 224,80 |
| 251378471 | BOX FILTER 10 | 247,30 |
| 251528471 | BOX FILTER 12 | 272,00 |
| 252378471 | BOX FILTER 15 | 299,20 |
| 252458471 | BOX FILTER 18 | 329,10 |

FILTER FOR BOX FILTER | FILTROS PARA BOX FILTER

ISO Coarse > 90% (G4)

| Code | Model | Application | R.R.P € |
|-----------|-----------------------------------|---------------|---------|
| Código | Modelo | Aplicable | P.V.P € |
| 960003701 | FILT. Coarse >90% (BOX FILTER 7) | BOX FILTER 7 | 20,60 |
| 960003702 | FILT. Coarse >90% (BOX FILTER 9) | BOX FILTER 9 | 26,20 |
| 960003703 | FILT. Coarse >90% (BOX FILTER 10) | BOX FILTER 10 | 26,20 |
| 960003704 | FILT. Coarse >90% (BOX FILTER 12) | BOX FILTER 12 | 33,70 |
| 960003705 | FILT. Coarse >90% (BOX FILTER 15) | BOX FILTER 15 | 48,40 |
| 960003706 | FILT. Coarse >90% (BOX FILTER 18) | BOX FILTER 18 | 64,10 |

* Please, once you place the order indicate 2 units for this code. Only for BOX FILTER 15 and 18. | * Por favor, cuando haga el pedido indique dos unidades de este código. Sólo para BOX FILTER 15 y 18.

ISO ePM10 50% (M5)

| Code | Model | Application | R.R.P € |
|-----------|---------------------------------|---------------|---------|
| Código | Modelo | Aplicable | P.V.P € |
| 960003707 | FILT. ePM10 50% (BOX FILTER 7) | BOX FILTER 7 | 23,20 |
| 960003708 | FILT. ePM10 50% (BOX FILTER 9) | BOX FILTER 9 | 29,60 |
| 960003709 | FILT. ePM10 50% (BOX FILTER 10) | BOX FILTER 10 | 29,60 |
| 960003710 | FILT. ePM10 50% (BOX FILTER 12) | BOX FILTER 12 | 37,90 |
| 960003711 | FILT. ePM10 50% (BOX FILTER 15) | BOX FILTER 15 | 54,60 |
| 960003712 | FILT. ePM10 50% (BOX FILTER 18) | BOX FILTER 18 | 72,20 |

* Please, once you place the order indicate 2 units for this code. Only for BOX FILTER 15 and 18. | * Por favor, cuando haga el pedido indique dos unidades de este código. Sólo para BOX FILTER 15 y 18.

ISO ePM1 70% (F7)

| Code | Model | Application | R.R.P € |
|-----------|--------------------------------|---------------|---------|
| Código | Modelo | Aplicable | P.V.P € |
| 960003713 | FILT. ePM1 70% (BOX FILTER 7) | BOX FILTER 7 | 81,40 |
| 960003714 | FILT. ePM1 70% (BOX FILTER 9) | BOX FILTER 9 | 93,60 |
| 960003715 | FILT. ePM1 70% (BOX FILTER 10) | BOX FILTER 10 | 107,60 |
| 960003716 | FILT. ePM1 70% (BOX FILTER 12) | BOX FILTER 12 | 142,40 |
| 960003717 | FILT. ePM1 70% (BOX FILTER 15) | BOX FILTER 15 | 93,60 |
| 960003718 | FILT. ePM1 70% (BOX FILTER 18) | BOX FILTER 18 | 142,40 |

* Please, once you place the order indicate 2 units for this code. Only for BOX FILTER 15 and 18. | * Por favor, cuando haga el pedido indique dos unidades de este código. Sólo para BOX FILTER 15 y 18.

ISO ePM1 > 80% (F9)

| Code | Model | Application | R.R.P € |
|-----------|---------------------------------|---------------|---------|
| Código | Modelo | Aplicable | P.V.P € |
| 960003719 | FILT. ePM1 >80% (BOX FILTER 7) | BOX FILTER 7 | 84,70 |
| 960003720 | FILT. ePM1 >80% (BOX FILTER 9) | BOX FILTER 9 | 97,50 |
| 960003721 | FILT. ePM1 >80% (BOX FILTER 10) | BOX FILTER 10 | 112,10 |
| 960003722 | FILT. ePM1 >80% (BOX FILTER 12) | BOX FILTER 12 | 148,20 |
| 960003723 | FILT. ePM1 >80% (BOX FILTER 15) | BOX FILTER 15 | 97,50 |
| 960003724 | FILT. ePM1 >80% (BOX FILTER 18) | BOX FILTER 18 | 148,20 |

* Please, once you place the order indicate 2 units for this code. Only for BOX FILTER 15 and 18. | * Por favor, cuando haga el pedido indique dos unidades de este código. Sólo para BOX FILTER 15 y 18.

CPCC

Filter-support casing for circular ducts

Cajón portafiltras para conducto circular



MANUFACTURING FEATURES

- Filter-support casing for circular duct made of galvanized steel for direct connection to circular duct. Specially designed to make maintenance easier for the end user since filters can be removed and replaced without tools.
- Possibility of having a double filtration stage. Combination of filters ISO ePM1 70% (F7), ISO ePM1 80% (F9) and ISO COARSE>90% (G4).
- CPCC of Ø100, 125 and 160 have two 24mm rails for the double filtration stage.
- CPCC models with larger diameters up to 630mm, have two 48mm rails for the double filtration stage.

UNDER REQUEST

- Made of stainless steel 304 and 316.

CARACTERÍSTICAS CONSTRUCTIVAS

- Cajón de portafiltras para conducto circular fabricado en acero galvanizado para una directa conexión a conducto circular. Especialmente diseñado para facilitar el mantenimiento al usuario final ya que se pueden sacar y reemplazar los filtros sin herramientas.
- Posibilidad de tener una doble etapa de filtración. Combinación de filtros ISO ePM1 70% (F7), ISO ePM1 80% (F9) y ISO COARSE>90% (G4).
- Los CPCC de Ø100, 125 y 160 llevan dos raíles de 24mm para la doble etapa de filtración.
- Los CPCC de diámetros superiores hasta 630mm, llevan dos raíles de 48mm para la doble etapa de filtración.

UNDER REQUEST

- Construcción en inox 304 y 316.



| Code | Model | Ø | Dimensions (mm) | Max. airflow m³/h | Weight Kg | R.R.P € |
|---------|----------|--------|------------------|-------------------|-----------|---------|
| Código | Modelo | Ø | Dimensiones (mm) | Caudal máx. m³/h | Peso Kg | P.V.P € |
| CPCC100 | CPCC 100 | 98,00 | 195 x 195 x 24 | 150 | 1 | 48,50 |
| CPCC125 | CPCC 125 | 123,00 | 195 x 195 x 24 | 250 | 1 | 51,70 |
| CPCC160 | CPCC 160 | 158,00 | 287 x 287 x 24 | 400 | 1,5 | 54,80 |
| CPCC200 | CPCC 200 | 198,00 | 287 x 287 x 48 | 650 | 2 | 64,40 |
| CPCC250 | CPCC 250 | 248,00 | 287 x 395 x 48 | 900 | 2,5 | 70,10 |
| CPCC315 | CPCC 315 | 313,00 | 395 x 395 x 48 | 1250 | 3 | 77,00 |
| CPCC400 | CPCC 400 | 398,00 | 490 x 490 x 48 | 2000 | 4,5 | 95,70 |
| CPCC500 | CPCC 500 | 498,00 | 592 x 592 x 48 | 3000 | 6 | 118,30 |
| CPCC630 | CPCC 630 | 628,00 | 725 x 725 x 48 | 4500 | 8 | 160,30 |

ISO COARSE > 90% (G4)

| Code | Model | Dimensions | Application | Pressure drop | R.R.P € |
|------------|--|----------------|--------------|------------------|---------|
| Código | Modelo | Dimensiones | Aplicable | Pérdida de carga | P.V.P € |
| FG4CPCC100 | Filtro Coarse> 90% CPCC 100-125 | 195 x 195 x 24 | CPCC 100-125 | 65 | 38,60 |
| FG4CPCC160 | Filtro Coarse> 90% CPCC 160 | 287 x 287 x 24 | CPCC 160 | 65 | 29,80 |
| FX0015809 | Filtro Coarse> 90% CPCC 200 | 287 x 287 x 48 | CPCC 200 | 65 | 12,80 |
| FX0015810 | Filtro Coarse> 90% CPCC 250 | 287 x 395 x 48 | CPCC 250 | 65 | 13,70 |
| FX0015814 | Filtro Coarse> 90% CPCC 315 | 395 x 395 x 48 | CPCC 315 | 65 | 15,70 |
| FX0015818 | Filtro Coarse> 90% CPCC 400 | 490 x 490 x 48 | CPCC 400 | 65 | 19,10 |
| FX0015821 | Filtro Coarse> 90% CPCC 500 / CPCR 592 | 592 x 592 x 48 | CPCC 500 | 70 | 25,60 |
| FX0015824 | Filtro Coarse> 90% CPCC 630 | 725 x 725 x 48 | CPCC 630 | 70 | 53,90 |

ISO ePM1 70% (F7)

| Code | Model | Dimensions | Application | Pressure drop | R.R.P € |
|------------|-------------------------------------|----------------|--------------|------------------|---------|
| Código | Modelo | Dimensiones | Aplicable | Pérdida de carga | P.V.P € |
| FF7CPCC100 | Filtro ePM1 70% CPCC 100-125 | 195 x 195 x 24 | CPCC 100-125 | 130 | 60,70 |
| FF7CPCC160 | Filtro ePM1 70% CPCC 160 | 287 x 287 x 24 | CPCC 160 | 130 | 46,80 |
| FX0015401 | Filtro ePM1 70% CPCC 200 | 287 x 287 x 48 | CPCC 200 | 130 | 30,30 |
| FX0015402 | Filtro ePM1 70% CPCC 250 | 287 x 395 x 48 | CPCC 250 | 130 | 35,50 |
| FX0015408 | Filtro ePM1 70% CPCC 315 | 395 x 395 x 48 | CPCC 315 | 130 | 56,10 |
| FX0015411 | Filtro ePM1 70% CPCC 400 | 490 x 490 x 48 | CPCC 400 | 130 | 70,50 |
| FX0015412 | Filtro ePM1 70% CPCC 500 / CPCR 592 | 592 x 592 x 48 | CPCC 500 | 140 | 82,50 |
| FX0015415 | Filtro ePM1 70% CPCC 630 | 725 x 725 x 48 | CPCC 630 | 140 | 183,10 |

ISO ePM1 80% (F9)

| Code | Model | Dimensions | Application | Pressure drop | R.R.P € |
|------------|--------------------------------------|----------------|--------------|------------------|---------|
| Código | Modelo | Dimensiones | Aplicable | Pérdida de carga | P.V.P € |
| FF9CPCC100 | Filtro ePM1 >80% CPCC 100-125 | 195 x 195 x 24 | CPCC 100-125 | 210 | 63,80 |
| FF9CPCC160 | Filtro ePM1 >80% CPCC 160 | 287 x 287 x 24 | CPCC 160 | 210 | 49,10 |
| FX0047937 | Filtro ePM1 >80% CPCC 200 | 287 x 287 x 48 | CPCC 200 | 210 | 31,80 |
| FX0047938 | Filtro ePM1 >80% CPCC 250 | 287 x 395 x 48 | CPCC 250 | 210 | 37,40 |
| FX0047939 | Filtro ePM1 >80% CPCC 315 | 395 x 395 x 48 | CPCC 315 | 210 | 58,90 |
| FX0047940 | Filtro ePM1 >80% CPCC 400 | 490 x 490 x 48 | CPCC 400 | 210 | 73,90 |
| FX0047941 | Filtro ePM1 >80% CPCC 500 / CPCR 592 | 592 x 592 x 48 | CPCC 500 | 210 | 86,50 |
| FX0047942 | Filtro ePM1 >80% CPCC 630 | 725 x 725 x 48 | CPCC 630 | 210 | 261,20 |



CPCR

Box filter for rectangular duct

Cajón portafiltros para conducto rectangular



MANUFACTURING FEATURES

- 1mm thick galvanized steel box.
- Suitable for medium and high efficiency filters from ISO Coarse > 90% (G4) up to ISO ePM1 > 80% (F9).
- The CPCR is available in 2 sizes (S and M) that allow to combine up to 3 different filtration stages, varying only the length of the boxes.
- The height of boxes is always the same. With two in-line S boxes it would be possible to make a CPCR L for 3 stages of filtration with bag filters.
- The CPCR allows duct mounting for all types of filters (compact, dihedral, bags).

UNDER REQUEST

- Stainless steel or painted steel.
- Outdoor mounting: with outdoor flange and cowl.
- Flat or conical connections to adapt the CPCR to a circular duct.
- Assembly of drawers in battery (horizontal or vertical).
- Active Carbon Filters (CA).
- ATEX version: only for the 1 and 2 stage filtration versions. With grounding and equipotential bonding of all the elements of the drawer (The filters are ATEX specific with antistatic polyester frames).

CARACTERÍSTICAS CONSTRUCTIVAS

- Cajón de acero galvanizado de 1mm de grosor.
- Apto para filtros de media y alta eficiencia desde ISO Coarse > 90% (G4) hasta ISO ePM1 > 80% (F9).
- El CPCR tiene 2 tipos de cajones distintos (S y M) que permiten llegar a combinar hasta 3 etapas de filtración distintas variando solamente la longitud de los cajones.
- La altura de dichos cajones es siempre la misma. Con dos cajones S en línea se lograría hacer un CPCR L para 3 etapas de filtración con filtros de bolsas.
- El CPCR permite el montaje en conducto para todo tipo de filtros (compactos, diédricos, bolsas).

UNDER REQUEST

- Acero inoxidable o acero pintado.
- Montaje en exterior: con visera y tejadillo.
- Conexiones planas o cónicas para adaptar el CPCR a un conducto circular.
- Montaje de cajones en batería (horizontal o vertical).
- Filtros de Carbón Activo (CA).
- Versión ATEX: solo para las versiones de 1 y 2 etapas de filtración. Con toma de tierra y unión equipotencial de todos los elementos del cajón (Los filtros son específicos ATEX con cuadros de poliéster antiestático).

| Code | Model | Dimensions B x H x L | Dimen. Filters L x H x e | Quantity Filter x CPCR | Weight (Kg) | R.R.P € |
|-------------|-------------------|-----------------------|---------------------------------|------------------------|-------------|----------|
| Código | Modelo | Dimensiones B x H x L | Dimen. Filtros L x H x e | Cantidad Filtro x CPCR | Peso (Kg) | P.V.P € |
| CPCR309650 | CPCR 309x614x650 | 309x614x650 | 287 x 592 x 48 | 1 | 18 | 497,30 |
| CPCR614650 | CPCR 614x614x650 | 614x614x650 | 592 x 592 x 48 | 1 | 23 | 518,30 |
| CPCR920650 | CPCR 920x614x650 | 920x614x650 | 287 x 592 x 48 + 592 x 592 x 48 | 1 | 30 | 596,90 |
| CPCR1225650 | CPCR 1225x614x650 | 1225x614x650 | 592 x 592 x 48 | 2 | 35 | 678,50 |
| CPCR1835650 | CPCR 1835x614x650 | 1835x614x650 | 592 x 592 x 48 | 3 | 47 | 812,20 |
| CPCR309900 | CPCR 309x614x900 | 309x614x900 | 287 x 592 x 48 | 1 | 23 | 653,70 |
| CPCR614900 | CPCR 614x614x900 | 614x614x900 | 592 x 592 x 48 | 1 | 32 | 681,90 |
| CPCR920900 | CPCR 920x614x900 | 920x614x900 | 287 x 592 x 48 + 592 x 592 x 48 | 1 | 41 | 796,00 |
| CPCR1225900 | CPCR 1225x614x900 | 1225x614x900 | 592 x 592 x 48 | 2 | 59 | 880,40 |
| CPCR1835900 | CPCR 1835x614x900 | 1835x614x900 | 592 x 592 x 48 | 3 | 80 | 1.030,60 |

FILTERS FOR CPCR | FILTROS PARA CPCR

ISO Coarse > 90% (ex.G4)

| Code | Model | Dimensions | Application | Pressure drop | R.R.P € |
|------------|---|-------------|---|------------------|---------|
| Código | Modelo | Dimensiones | Aplicable | Pérdida de carga | P.V.P € |
| FG4CPCR287 | Filtro Coarse > 90% CPCR 287 | 287x592x48 | CPCR 309x614 y 920x614 | 65 | 24,30 |
| FX0015821 | Filtro Coarse > 90% CPCC 500 / CPCR 592 | 592x592x48 | CPCR 614x614, 920x614, 1225x614, 1835x614 | 70 | 25,60 |

ISO ePM1 70% (ex.F7)

| Code | Model | Dimensions | Application | Pressure drop | R.R.P € |
|------------|-------------------------------------|-------------|---|------------------|---------|
| Código | Modelo | Dimensiones | Aplicable | Pérdida de carga | P.V.P € |
| FF7CPCR287 | Filtro ePM1 70% CPCR 287 | 287x592x48 | CPCR 309x614 y 920x614 | 130 | 74,70 |
| FX0015412 | Filtro ePM1 70% CPCC 500 / CPCR 592 | 592x592x48 | CPCR 614x614, 920x614, 1225x614, 1835x614 | 140 | 82,50 |

ISO ePM1 80% (ex.F9)

| Code | Model | Dimensions | Application | Pressure drop | R.R.P € |
|------------|--------------------------------------|-------------|---|------------------|---------|
| Código | Modelo | Dimensiones | Aplicable | Pérdida de carga | P.V.P € |
| FF9CPCR287 | Filtro ePM1 >80% CPCR 287 | 287x592x48 | CPCR 309x614 y 920x614 | 210 | 78,50 |
| FX0047941 | Filtro ePM1 >80% CPCC 500 / CPCR 592 | 592x592x48 | CPCR 614x614, 920x614, 1225x614, 1835x614 | 210 | 86,50 |

S Mounting support for low pressure fans

Pie soporte para ventiladores de baja presión



MANUFACTURING FEATURES

- Support to fix centrifugal low pressure fans on flat surfaces.
- Fans from 7/7 to 12/12 are supplied with S support included in price.

CARACTERÍSTICAS CONSTRUCTIVAS

- Pie soporte de acero galvanizado para fijar ventiladores centrífugos de baja presión a superficies planas.
- Los ventiladores del tamaño 7/7 hasta 12/12 llevan el accesorio S (pie soporte base) incluido en el precio

| Code | Model | Application | R.R.P € |
|-----------|---------|-----------------------------|---------|
| Código | Modelo | Aplicable | P.V.P € |
| 960500100 | S 7/9 | BD 7/7, BD 9/7, BV 9/9 | 26,60 |
| 960520100 | S 10 | BD 10/8, BD 10/10, BV 10/10 | 18,70 |
| 960530100 | S 12 | BD 12/9, BD 12/12, BV 12/12 | 21,00 |
| 960540100 | S 15/18 | BV 15/15, BV 18/18 | 28,50 |

DKF DHUMAT feet kit

Conjunto de pies soporte para DHUMAT



MANUFACTURING FEATURES

- Support made of galvanized steel.

CARACTERÍSTICAS CONSTRUCTIVAS

- Soporte fabricado en acero galvanizado.

| Code | Model | Application | Weight Kg | R.R.P € |
|-----------|-------------|----------------|-----------|---------|
| Código | Modelo | Aplicable | Peso Kg | P.V.P € |
| 245319201 | DKF 315-355 | DHUMAT 315-355 | 3,3 | 90,00 |
| 245409201 | DKF 400-450 | DHUMAT 400-450 | 3,7 | 96,20 |
| 245569201 | DKF 500-560 | DHUMAT 500-560 | 4,5 | 105,80 |
| 245639201 | DKF 630 | DHUMAT 630 | 5 | 128,20 |
| 245719201 | DKF 710-800 | DHUMAT 710-800 | 6 | 167,70 |

PO Cased fans mounting support

Conjunto de pies soporte para ventiladores tubulares



MANUFACTURING FEATURES

- Made of steel and protected against corrosion with polyester resin powder.

CARACTERÍSTICAS CONSTRUCTIVAS

- Fabricado en acero y protegido contra la corrosión con polvo de resina de poliéster.

| Code | Model | Application | Weight Kg | R.R.P € |
|-----------|--------|---------------------------------|-----------|---------|
| Código | Modelo | Aplicable | Peso Kg | P.V.P € |
| 960001653 | PO 35 | HC-HM-HCF-HMF-HCX-HMX-HH 35 | 1,6 | 29,40 |
| 960001654 | PO 40 | HC-HM-HCF-HMF-HCX-HMX-HH-HHP 40 | 1,8 | 30,20 |
| 960001655 | PO 45 | HC-HM-HCF-HMF-HCX-HMX 45 | 2 | 30,80 |
| 960001656 | PO 50 | HC-HM-HCF-HMF-HCX-HMX 50 | 3,6 | 51,60 |
| 960001657 | PO 56 | HC-HM-HCF-HMF-HCX-HMX-HH-HHP 56 | 4,6 | 52,60 |
| 960001658 | PO 63 | HC-HM-HCF-HMF-HCX-HMX-HH-HHP 63 | 4,9 | 56,50 |
| 960001659 | PO 71 | HC-HM-HCF-HMF-HCX-HMX-HH-HHP 71 | 5,7 | 62,30 |
| 960001660 | PO 80 | HC-HM-HCF-HMF-HCX-HMX 80 | 6 | 63,90 |
| 960001661 | PO 90 | HC-HM-HCF-HMF-HH-HHP 90 | 8,3 | 77,60 |
| 960001662 | PO 100 | HC-HM-HCF-HMF 100 | 9 | 79,60 |
| 960001664 | PO 112 | HC-HM-HCF-HMF 112 | 9,5 | 87,00 |
| 960001663 | PO 125 | HC-HM-HCF-HMF 125 | 10 | 93,30 |

PS Tilt mounting support for cased axial HM

Pie soporte inclinable para ventiladores tubulares de la serie HM



MANUFACTURING FEATURES

- Made of steel and protected against corrosion with polyester resin powder.

CARACTERÍSTICAS CONSTRUCTIVAS

- Fabricado en acero y protegido contra la corrosión con polvo de resina de poliéster.

| Code | Model | Application | R.R.P € |
|-----------|--------|---------------------|---------|
| Código | Modelo | Aplicable | P.V.P € |
| 960110101 | PS 35 | HM 35 | 170,10 |
| 960100101 | PS 40 | HM 40 | 172,90 |
| 960120101 | PS 45 | HM, HMF, HH 45 | 175,50 |
| 960130101 | PS 56 | HM, HMF 56 | 202,50 |
| 960150101 | PS 63 | HM, HMF, HH, HHP 63 | 212,30 |
| 960140101 | PS 71 | HM, HMF 71 | 213,50 |

BS Motor support for BVC and BVCR fans

SopORTE motor para ventiladores BVC y BVCR



MANUFACTURING FEATURES

- Accessory designed to assemble the motor on the fan in range BVC and BVCR in order to tighten the belts.

CARACTERÍSTICAS CONSTRUCTIVAS

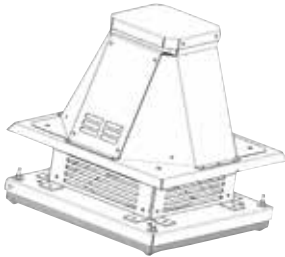
- Accesorio para sujetar de motor en la gama BVC y BVCR sobre el ventilador y tensar las correas.

| Code | Model | Application | R.R.P € |
|-----------|--------|----------------|---------|
| Código | Modelo | Aplicable | P.V.P € |
| 960000100 | BS 9 | BVC 9/9 | 98,90 |
| 960000101 | BS 10 | BVC 10/10 | 119,40 |
| 960000102 | BS 12 | BVC 12/12 | 124,30 |
| 960000103 | BS 15 | BVC-BVCR 15/15 | 138,30 |
| 960000104 | BS 18 | BVC-BVCR 18/18 | 125,20 |

KF

Kit de fijación para CTH3

Kit de fijación para CTH3



| MANUFACTURING FEATURES

- Fixing kit for CTH3 roof fan made of galvanized steel.

| CARACTERÍSTICAS CONSTRUCTIVAS

- Kit de fijación para ventilador de tejado CTH3 fabricado en acero galvanizado.

| Code | Model | Application | R.R.P € |
|-----------|----------------|------------------|---------------|
| Código | Modelo | Aplicable | P.V.P € |
| 960004610 | KF 225-250 | CTH3 225-250 | 97,70 |
| 960004620 | KF 280-315 | CTH3 280-315 | 103,80 |
| 960004630 | KF 355-400-450 | CTH3 355-400-450 | 145,20 |
| 960004650 | KF 500-560-630 | CTH3 500-560-630 | 181,00 |
| 960004660 | KF 710-800 | CTH3 710-800 | 199,10 |

KB

Fixing kit for CTH3

Kit basculante para CTH3



| MANUFACTURING FEATURES

- Tilting kit made of galvanised steel.
- It allows fan inclination to make cleaning of duct and impeller easier.

| CARACTERÍSTICAS CONSTRUCTIVAS

- Kit basculante fabricado en acero galvanizado.
- Permite la inclinación de la torreta para facilitar la limpieza del conducto y la turbina.

| Code | Model | Application | R.R.P € |
|-----------|----------------|------------------|---------------|
| Código | Modelo | Aplicable | P.V.P € |
| 960004510 | KB 225-250 | CTH3 225-250 | 180,10 |
| 960004520 | KB 280-315 | CTH3 280-315 | 204,70 |
| 960004530 | KB 355-400-450 | CTH3 355-400-450 | 226,80 |
| 960004550 | KB 500-560-630 | CTH3 500-560-630 | 276,70 |
| 960004560 | KB 710-800 | CTH3 710-800 | 304,40 |

FS

Front support for medium and high pressure fans

Pie soporte delantero para ventiladores de media y alta presión



Generic image. In some models the image shown may differ from normal.

Imagen genérica. En algunos modelos la imagen mostrada puede diferir de lo normal.

| MANUFACTURING FEATURES

- FS gives the fan better grip and robustness.
- Manufactured in carbon laminated steel, protected against corrosion by a polyester resin powder coating of RAL 5010 color. Finish C3.
- These front supports are dimensioned according to the type of fan and impeller dimension (mm).

| CARACTERÍSTICAS CONSTRUCTIVAS

- FS dota al ventilador de mejor sujeción y robustez.
- Fabricado en acero laminado al carbono, protegido contra la corrosión mediante un recubrimiento de polvo de resina poliéster de color RAL 5010. Acabado C3.
- Estos pie soporte delanteros se dimensionan en función del tipo de ventilador y dimensión de la turbina (mm).

MB Series

- FS is optional between sizes 22 and 45.

Serie MB

- FS es opcional entre los tamaños 22 y 45.

NIMUS-NIMAX-IGNÉO Series

- FS is optional up to size 450.
- For sizes 500 and larger, FS is included in the fan structure

Serías NIMUS-NIMAX-IGNÉO

- FS es opcional hasta el tamaño 450.
- Para los tamaños 500 y superiores el pie delantero va incluido en la estructura del ventilador.

Direct and belt driven medium pressure series

- FS is optional up to size 500.
 - For sizes 560 and larger, FS is included in the fan structure.
- MBGR/MTGR* MBRU/MTRU* MBRM/MTRM* MTRL*
MBCA/MTCA* MBZM/MTZM*

Serías de media presión directos y a transmisión

- FS es opcional hasta el tamaño 500.
 - Para los tamaños 560 y superiores el pie delantero va incluido en la estructura del ventilador.
- MBGR/MTGR* MBRU/MTRU* MBRM/MTRM* MTRL*
MBCA/MTCA* MBZM/MTZM*

Direct high pressure series

- FS is optional up to size 630.
 - For sizes 710 and larger this front support is welded and must be ordered when placing the order of the fan (please, consult price increase).
- AAZA AAVC AAVP AAVG AAVM AAVA.

Serías de alta presión directos

- FS es opcional hasta el tamaño 630.
 - Para los tamaños 710 y superiores este soporte delantero va soldado y debe pedirse junto al ventilador (consulte incremento de precio).
- AAZA AAVC AAVP AAVG AAVM AAVA.

High pressure transmission series

- FS is optional up to size 630.
 - For sizes 710 and above this front support is included in the fan structure.
 - For system 12 fans, a special base for the front foot (*) is required.
- AATZA* AATVC* AATVP* AATVG* AATVM*.

Serías de alta presión a transmisión

- FS es opcional hasta el tamaño 630.
 - Para los tamaños 710 y superiores este soporte delantero va incluido en la estructura del ventilador.
 - Para ventiladores sistema 12 es necesaria una banca especial para pie delantero (*).
- AATZA* AATVC* AATVP* AATVG* AATVM*.

- For system 12 fans, a special base for the FS is required (*).

- Para ventiladores sistema 12 es necesaria una banca especial para pie delantero (*).

| Model | Application | R.R.P € |
|--------|--|---------|
| Modelo | Aplicable | P.V.P € |
| FS 180 | MBCA 180. | 76,60 |
| FS 200 | MBCA 200. | 76,60 |
| FS 220 | MB 22, MBCA 220, MBRM 220, MBZM 220, MTCA 220, MTRM 220, MTZM 220. | 76,60 |
| FS 250 | MB 25, MBCA 250, MBRM 250, MBRU 250, MBZM 250, MTCA 250, MTRM 250, MTRU 250, MTZM 250, MTRL 250. | 76,60 |
| FS 280 | MB 28, MBCA 280, MBRM 280, MBRU 280, MBZM 280, MTCA 280, MTRM 280, MTRU 280, MTZM 280, MTRL 280. | 76,60 |
| FS 310 | MB 31, MBCA 310, MBRM 310, MBRU 310, MBZM 310, MTCA 310, MTRM 310, MTRU 310, MTZM 310, MTRL 310, NS 310, NX 310, IGNÉO 310, AAVA 310. | 80,10 |
| FS 350 | MB 35, MBCA 350, MBRM 350, MBRU 350, MBZM 350, MTCA 350, MTRM 350, MTRU 350, MTZM 350, MTRL 350, NS 350, NX 350, IGNÉO 350, AAVA 350, AAVM 350, AATVA 350, AATVM 350. | 89,10 |
| FS 400 | MB 40, MBCA 400, MBRM 400, MBRU 400, MBGR 400, MBZM 400, MTCA 400, MTRM 400, MTRU 400, MTGR 400, MTZM 400, MTRL 450, NS 400, NX 400, IGNÉO 400, AAVA 400, AAVP 400, AAVM 400, AAZA 400, AATVA 400, AATVP 400, AAVTM 400, AATZA 400. | 89,10 |
| FS 450 | MB 45, MBCA 450, MBRM 450, MBRU 450, MBGR 450, MBZM 450, MTCA 450, MTRM 450, MTRU 450, MTGR 450, MTZM 450, MTRL 450, NS 450, NX 450, IGNÉO 450, AAVA 450, AAVP 450, AAVG 450, AAVM 450, AAZA 450, AATVA 450, AATVP 450, AATVG 450, AATVM 450, AATZA 450. | 96,20 |
| FS 500 | MBCA 500, MBRM 500, MBRU 500, MBGR 500, MBZM 500, MTCA 500, MTRM 500, MTRU 500, MTGR 500, MTZM 500, MTRL 500, NS 500, NX 500, IGNÉO 500, AAVA 500, AAVC 500, AAVP 500, AAVG 500, AAVM 500, AAZA 500, AATVA 500, AATVC 500, AATVP 500, AATVG 500, AATVM 500, AATZA 500. | 103,30 |
| FS 560 | AAVA 560, AAVC 560, AAVP 560, AAVG 560, AAVM 560, AAZA 560, AATVA 560, AATVC 560, AATVP 560, AATVG 560, AATVM 560, AATZA 560. | 106,90 |
| FS 630 | AAVA 630, AAVC 630, AAVP 630, AAVG 630, AAVM 630, AAZA 630, AATVA 630, AATVC 630, AATVP 630, AATVG 630, AATVM 630, AATZA 630. | 115,80 |

BTI

Inclined roof fan support

SopORTE inclinado para ventiladores de tejado



| MANUFACTURING FEATURES

- Inclined support for roof fans HTE, CTH3, CTH4, and the resulting fans combining with the KIT TE and KIT TM.

| UNDER REQUEST

- Specific inclination.

| CARACTERÍSTICAS CONSTRUCTIVAS

- Soporte inclinado para ventiladores de tejado HTE, CTH3, CTH4, y los ventiladores resultantes del KIT TE y KIT TM.

| BAJO DEMANDA

- Inclinación determinada.

| Model | Dimensions | Application | R.R.P € |
|----------|-------------|--|---------|
| Modelo | Dimensiones | Aplicable | P.V.P € |
| BTI 420 | 420x420 | CTH3/CTH3-A 225, CTH3/CTH3-A 250, CTH3/CTH3-A 315 | 326,40 |
| BTI 485 | 485x485 | CTH4 355 | 331,40 |
| BTI 535 | 535x535 | CTH4 400 | 328,00 |
| BTI 580 | 580x580 | CTH3/CTH3-A 280-315, CTH4 450, HTE 35-40, KIT TE 35-40 | 412,50 |
| BTI 635 | 635x635 | CTH3/CTH3-A 355-400-450, CTH4 500, HTE 45, KIT TE 45 | 412,50 |
| BTI 715 | 715x715 | CTH4 560 | 578,90 |
| BTI 815 | 815x815 | CTH3/CTH3-A 500-560-630, CTH4 630, HTE 50-56, KIT TE 50-56 | 578,90 |
| BTI 905 | 905x905 | CTH4 710 | 726,30 |
| BTI 1005 | 1005x1005 | CTH3/CTH3-A 710-800, CTH4 800, KIT TE 71-80 | 726,30 |

TM

Motor support for BV fans

SopORTE motor para ventiladores BV



| MANUFACTURING FEATURES

- Belt tensioning device to be fitted in low pressure centrifugal fans.

| CARACTERÍSTICAS CONSTRUCTIVAS

- Soporte motor con tensor de correas para ventiladores centrífugos de baja presión.

| Code | Model | Application | R.R.P € |
|-----------|------------|---------------|---------|
| Código | Modelo | Aplicable | P.V.P € |
| 960720100 | TM 7/7-9/7 | BV 7/7-BV 9/7 | 17,20 |
| 960730100 | TM 9/9 | BV 9/9 | 21,40 |
| 960740100 | TM 10/8 | BV 10/8 | 20,00 |
| 960750100 | TM 10/10 | BV 10/10 | 21,10 |
| 960760100 | TM 12/9 | BV 12/9 | 23,20 |
| 960770100 | TM 12/12 | BV 12/12 | 29,00 |
| 960780100 | TM 15/15 | BV 15/15 | 32,50 |
| 960790100 | TM 18/18 | BV 18/18 | 35,90 |

AC

Connection flange

Brida de conexión



AC 80-225



AC 250-1250

MANUFACTURING FEATURES

• For axial (inlet and outlet) and centrifugal (inlet) fans.

UNDER REQUEST

• Versions in stainless 304 and stainless 316.

CARACTERÍSTICAS CONSTRUCTIVAS

• Para ventiladores axiales (aspiración y impulsión) y centrifugos (aspiración).

BAJO DEMANDA

• Versiones en Inoxidable 304 e Inoxidable 316.

| Code | Model | Application | Weight kg | R.R.P € |
|-----------|---------|---|-----------|---------|
| Código | Modelo | Aplicable | Peso kg | P.V.P € |
| 960003201 | AC 80 | MA 18-24 | 0,20 | 21,30 |
| 960003202 | AC 100 | MB 12/5, MA 25-26 | 0,20 | 21,60 |
| 960003203 | AC 130 | MB 14/5, MA 27-28 | 0,20 | 22,20 |
| 960003204 | AC 150 | MB 16/6, MA 31, AA 47-53 | 0,30 | 24,60 |
| 960003205 | AC 175 | MB 18/7, AA 45/5-59-66-70 | 0,30 | 24,10 |
| 960003206 | AC 200 | MB 20/6-20/8 | 0,30 | 25,10 |
| 960003207 | AC 225 | MB-MT 22/9, AA 50/5, BC 25/10 | 0,40 | 26,00 |
| 960003208 | AC 250 | MB-MT-MBC 25/10, AA 60/7, BC 28/11 | 0,50 | 32,80 |
| 960003209 | AC 300 | MB-MT-MBC 28/11-31/12, BC 35/18 | 0,70 | 37,30 |
| 960003211 | AC 350 | HB-HM-HH-HC 35, MB-MT-MBC 35/14 | 0,70 | 38,40 |
| 960003212 | AC 400 | HB-HM-HC 40, MB-MT-MBC 40/16 | 0,80 | 43,20 |
| 960003213 | AC 450 | HB-HBF-HM-HMF-HH-HHP-HC-HCF 45, MB-MT-MBC 45/18 | 1,00 | 44,50 |
| 960003214 | AC 500 | HB-HBF-HM-HMF-HC-HCF 50 | 1,10 | 51,10 |
| 960003215 | AC 560 | HB-HBF-HM-HMF-HH-HHP-HC-HCF 56 | 1,30 | 56,40 |
| 960003216 | AC 630 | HB-HBF-HM-HMF-HH-HHP-HC-HCF 63, MT 63/25 | 1,40 | 67,10 |
| 960003217 | AC 710 | HB-HBF-HM-HMF-HH-HHP-HC-HCF 71 | 1,60 | 77,70 |
| 960003218 | AC 800 | HB-HBF-HM-HMF-HC-HCF 80 | 1,80 | 81,70 |
| 960003219 | AC 900 | HB-HBF-HM-HMF-HH-HHP-HC-HCF 90 | 2,20 | 127,20 |
| 960003220 | AC 1000 | HB-HBF-HM-HMF-HC-HCF 100 | 2,90 | 141,30 |
| 960003221 | AC 1120 | HB-HBF-HM-HMF-HC-HCF 112 | 3,30 | 169,50 |
| 960003222 | AC 1250 | HB-HBF-HM-HMF-HC-HCF 125 | 4,30 | 196,00 |

Check the most appropriate guard for each fan consulting the guide table that you can find in following pages. Additional models under request. Para saber el modelo de reja aplicable a un ventilador, consulte tabla de guía que encontrara en las próximas páginas. Resto de modelos bajo consulta.

SELECTION TABLE FOR AC INLET FLANGE | TABLA DE SELECCIÓN DE BRIDA DE CONEXIÓN EN ASPIRACIÓN AC

Choose the size (Ø) and the model of the fan in the following table and locate the appropriate size of AC inlet flange for each fan.

Escoja el tamaño (Ø) y el modelo del ventilador en la siguiente tabla y localice el tamaño correspondiente de la brida de conexión AC. Los tamaños indicados corresponden a las bridas de conexión AC.

| Ø | MBRM/ MTRM | MBRU/ MTRU | MBGR/ MTGR | MTRL | MBZM/ MTZM | AAZC/ AAZC | AAVM/ AATVM | AAVG/ AAZVG | AAVP/ AATVP | AAVC/ AATVC | AAVA/ AATVA | AAZA/ AATZA | MBCA/ MTCA |
|------|---------------|---------------|---------------|---------|---------------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|---------------|
| 180 | - | - | - | - | - | - | - | - | - | - | - | AC-200 | AC-200 |
| 200 | - | - | - | - | - | - | - | - | - | - | - | AC-200 | AC-200 |
| 220 | AC-130 | - | - | - | AC-130 | - | - | - | - | - | - | AC-225 | AC-225 |
| 250 | AC-200 | AC-200 | - | AC-250 | AC-200 | - | - | - | - | - | - | AC-250 | AC-250 |
| 280 | AC-200 | AC-225 | - | AC-300 | AC-200 | - | - | - | - | - | - | AC-300 | AC-300 |
| 310 | AC-225 | AC-250 | - | AC-300 | AC-225 | - | - | - | - | AC-150 | AC-150 | AC-300 | AC-300 |
| 350 | AC-250 | AC-300 | - | AC-350 | AC-250 | AC-200 | - | - | - | AC-150 | AC-150 | AC-350 | AC-350 |
| 400 | AC-300 | AC-300 | AC-250 | AC-400 | AC-300 | AC-200 | - | AC-150 | - | AC-150 | AC-150 | AC-400 | AC-400 |
| 450 | AC-300 | AC-350 | AC-300 | AC-450 | AC-300 | AC-225 | AC-225 | AC-175 | - | AC-150 | AC-150 | AC-450 | AC-450 |
| 500 | AC-360 | AC-400 | AC-300 | AC-500 | AC-350 | AC-250 | AC-250 | AC-200 | AC-150 | AC-150 | AC-150 | AC-500 | AC-500 |
| 560 | AC-400 | AC-450 | AC-350 | AC-560 | AC-400 | AC-300 | AC-300 | AC-200 | AC-175 | AC-150 | AC-150 | AC-560 | AC-560 |
| 630 | AC-450 | AC-500 | AC-400 | AC-630 | AC-450 | AC-300 | AC-300 | AC-225 | AC-200 | AC-150 | AC-150 | AC-630 | - |
| 710 | AC-500 | AC-560 | AC-450 | AC-710 | AC-500 | AC-350 | AC-350 | AC-250 | AC-200 | AC-175 | AC-175 | AC-710 | - |
| 800 | AC-560 | AC-630 | AC-500 | AC-800 | AC-560 | AC-400 | AC-400 | AC-300 | AC-225 | AC-175 | AC-175 | AC-800 | - |
| 900 | AC-630 | AC-710 | AC-560 | AC-900 | AC-630 | AC-450 | AC-450 | AC-300 | AC-250 | AC-200 | AC-200 | AC-900 | - |
| 1000 | AC-710 | AC-800 | AC-630 | AC-1000 | AC-710 | AC-500 | AC-500 | AC-350 | AC-300 | AC-200 | AC-200 | AC-1000 | - |

SELECTION TABLE FOR AC INLET FLANGE FOR STORM | TABLA DE SELECCIÓN DE BRIDA DE CONEXIÓN EN ASPIRACIÓN AC PARA STORM

Choose the size (Ø) and the model of the fan in the following table and locate the appropriate size of AC inlet applied to the STORM* fans: NIMUS, NIMAX, PRESTUR, PREXTUR o IGNÉO.

Escoja el tamaño (Ø) y el modelo del ventilador en la siguiente tabla y localice el tamaño correspondiente de la brida de conexión AC aplicada en los ventiladores STORM: NIMUS, NIMAX, PRESTUR, PREXTUR o IGNÉO.

| Storm fan size* | AC | Storm fan size* | AC | Storm fan size* | AC |
|--------------------------|--------|--------------------------|--------|--------------------------|---------|
| Tamaño ventilador Storm* | AC | Tamaño ventilador Storm* | AC | Tamaño ventilador Storm* | AC |
| 311 | AC 300 | 502 | AC 500 | 803 | AC 800 |
| 312 | AC 300 | 503 | AC 500 | 804 | AC 800 |
| 313 | AC 300 | 504 | AC 500 | 901 | AC 900 |
| 314 | AC 300 | 561 | AC 560 | 902 | AC 900 |
| 351 | AC 350 | 562 | AC 560 | 903 | AC 900 |
| 352 | AC 350 | 563 | AC 560 | 904 | AC 900 |
| 353 | AC 350 | 564 | AC 560 | 1001 | AC 1000 |
| 354 | AC 350 | 631 | AC 630 | 1002 | AC 1000 |
| 401 | AC 400 | 632 | AC 630 | 1003 | AC 1000 |
| 402 | AC 400 | 633 | AC 630 | 1004 | AC 1000 |
| 403 | AC 400 | 634 | AC 630 | 1121 | AC 112 |
| 404 | AC 400 | 711 | AC 710 | 1122 | AC 112 |
| 451 | AC 450 | 712 | AC 710 | 1251 | AC 125 |
| 452 | AC 450 | 713 | AC 710 | 1252 | AC 125 |
| 453 | AC 450 | 714 | AC 710 | 1401 | AC 140 |
| 454 | AC 450 | 801 | AC 800 | 1402 | AC 140 |
| 501 | AC 500 | 802 | AC 800 | | |

*The Storm fan can be a NIMUS, NIMAX, PRESTUR, PREXTUR or IGNÉO.

*El ventilador Storm puede ser NIMUS, NIMAX, PRESTUR, PREXTUR o IGNÉO.

EI

Circular outlet connection flange

Emboadura de conexión para impulsión



| MANUFACTURING FEATURES

- Connection to be fitted in the centrifugal fans outlet.
- Manufactured in galvanized steel.

| UNDER REQUEST

- Versions in stainless 304 and stainless 316.

| CARACTERÍSTICAS CONSTRUCTIVAS

- Brida de conexión para boca de impulsión rectangular de ventiladores centrifugos facilitando el conexionado a conducto circular.
- Fabricados en acero galvanizado.

| BAJO DEMANDA

- Versiones en Inoxidable 304 e Inoxidable 316.

| Code | Model | Application | R.R.P € |
|-----------|----------|-------------------|---------|
| Código | Modelo | Aplicable | P.V.P € |
| 962120111 | EI 12/5 | MB 12/5 | 128,80 |
| 962140111 | EI 14/5 | MB 14/5 | 135,40 |
| 962160111 | EI 16/6 | MB 16/6 | 140,80 |
| 962180111 | EI 18/7 | MB 18/7 | 140,80 |
| 962200111 | EI 20/6 | MB 20/6 | 132,90 |
| 962200112 | EI 20/8 | MB 20/8 | 151,10 |
| 962220111 | EI 22/9 | MB-MT 22/9 | 160,60 |
| 962250111 | EI 25/10 | MB-MT-MBC 25/10 | 185,10 |
| 962280111 | EI 28/11 | MB-MT-MBC 28/11 | 192,60 |
| 962310111 | EI 31/12 | MB-MT-MBC 31/12 | 195,50 |
| 962350111 | EI 35/14 | MB-MT-MBC 35/14 | 212,70 |
| 962400111 | EI 40/16 | MB-MT-MBC 40/16 | 234,50 |
| 962400112 | EI 40/12 | MB 40/12 | 244,40 |
| 962450111 | EI 45/18 | MB-MT-MBC 45/18 | 258,00 |
| 962450112 | EI 45/5 | AA 45/5 | 148,90 |
| 962500112 | EI 50/5 | AA 50/5 | 176,90 |
| 962600111 | EI 60/7 | AA 60/7 | 176,40 |
| 962630111 | EI 63/25 | MT 63/25 | 317,30 |
| 962250112 | EI 25 | BC 25/10 | 186,20 |
| 962280112 | EI 28 | BC 28/11 | 189,10 |
| 962350112 | EI 35 | BC 35/18 | 213,80 |
| 962470111 | EI 47 | AA 47-53-59-66-70 | 125,00 |

| Code | Model | R.R.P € |
|-----------|----------------|---------|
| Código | Modelo | P.V.P € |
| 510200500 | EI 54x4-54 | 121,60 |
| 510200600 | EI 66x4-66 | 124,10 |
| 510200800 | EI 83x4-80 | 126,70 |
| 510200900 | EI 95x68-130 | 127,80 |
| 510201000 | EI 105x76-150 | 131,40 |
| 510201100 | EI 117x85-175 | 131,40 |
| 510201200 | EI 124x103-130 | 134,00 |
| 510201300 | EI 131x95-200 | 134,00 |
| 510201400 | EI 146x105-200 | 140,00 |
| 510201602 | EI 166x117-200 | 146,10 |
| 510201603 | EI 166x117-225 | 146,10 |
| 510201801 | EI 185x131-200 | 158,20 |
| 510201802 | EI 185x131-225 | 158,20 |
| 510201803 | EI 185x131-250 | 158,20 |
| 510202001 | EI 207x148-200 | 194,70 |
| 510202002 | EI 207x148-225 | 194,70 |
| 510202004 | EI 207x148-300 | 194,70 |

| Code | Model | R.R.P € |
|-----------|----------------|---------|
| Código | Modelo | P.V.P € |
| 510202300 | EI 231x166-200 | 207,00 |
| 510202301 | EI 231x166-225 | 207,00 |
| 510202303 | EI 231x166-300 | 207,00 |
| 510202500 | EI 258x185-225 | 219,10 |
| 510202501 | EI 258x185-250 | 219,10 |
| 510202502 | EI 258x185-300 | 219,10 |
| 510202504 | EI 258x185-350 | 219,10 |
| 510202800 | EI 288x205-250 | 225,30 |
| 510202801 | EI 288x205-300 | 225,30 |
| 510202803 | EI 288x205-350 | 225,30 |
| 510202804 | EI 288x205-400 | 225,30 |
| 510203200 | EI 322x229-300 | 231,30 |
| 510203203 | EI 322x229-400 | 231,30 |
| 510203205 | EI 322x229-450 | 231,30 |
| 510203600 | EI 361x256-300 | 243,50 |
| 510203601 | EI 361x256-350 | 243,50 |
| 510203603 | EI 361x256-450 | 243,50 |

| Code | Model | R.R.P € |
|-----------|------------------|----------|
| Código | Modelo | P.V.P € |
| 510204000 | EI 404x288-350 | 255,50 |
| 510204001 | EI 404x288-400 | 255,50 |
| 510204003 | EI 404x288-500 | 255,50 |
| 510204500 | EI 453x322-400 | 304,40 |
| 510204501 | EI 453x322-450 | 304,40 |
| 510205000 | EI 507x361-450 | 316,40 |
| 510205001 | EI 507x361-500 | 316,40 |
| 510205600 | EI 569x404-500 | 340,80 |
| 510205601 | EI 569x404-560 | 340,80 |
| 510206300 | EI 638x453-560 | 426,00 |
| 510206301 | EI 638x453-630 | 426,00 |
| 510207100 | EI 715x507-630 | 669,40 |
| 510207101 | EI 715x507-710 | 669,40 |
| 510208000 | EI 801x569-710 | 791,20 |
| 510208002 | EI 801x569-800 | 791,20 |
| 510208900 | EI 898x638-900 | 912,90 |
| 510210000 | EI 1007x715-1000 | 1.046,80 |

Check the most appropriate guard for each fan consulting the following selection table. Additional models under request.
 Para saber el modelo de reja aplicable a un ventilador, consulte la siguiente tabla de selección. Resto de modelos bajo consulta.

SELECTION TABLE FOR EI OUTLET CONNECTION FLANGE | TABLA DE SELECCIÓN DE BRIDA DE CONEXIÓN EI

Choose the size (Ø) and the model of the fan in the following table and locate the appropriate size of EI outlet connection flange for each fan. The indicated sizes correspond to the flanges EI.

Escoja el tamaño (Ø) y el modelo del ventilador en la siguiente tabla y localice el tamaño correspondiente de la brida de conexión en impulsión EI. Los tamaños indicados corresponden a las bridas EI.

| Tamaño ventilador | MBRM/ MTRM | MBRU/ MTRU | MBGR/ MTGR | MTRL | MBZM/ MTZM | AAVM/ AATVM | AAVG/ AATVG | AAVP/ AATVP | AAVC/ AATVC | AAVA/ AATVA | AATA/ AATZA | MBCA/ MTCA |
|-------------------|----------------|----------------|----------------|------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 180 | - | - | - | - | - | - | - | - | - | - | - | 185x131 (Ø200) |
| 200 | - | - | - | - | - | - | - | - | - | - | - | 207x148 (Ø200) |
| 220 | 124x103 (Ø130) | - | - | - | 124x103 (Ø130) | - | - | - | - | - | - | 231x166 (Ø225) |
| 250 | 207x148 (Ø200) | 207x148 (Ø200) | - | 258x185 (Ø250) | 207x148 (Ø200) | - | - | - | - | - | - | 258x185 (Ø250) |
| 280 | 231x166 (Ø200) | 231x166 (Ø225) | - | 288x205 (Ø300) | 231x166 (Ø200) | - | - | - | - | - | - | 288x205 (Ø300) |
| 310 | 258x185 (Ø225) | 258x185 (Ø250) | - | 322x229 (Ø300) | 258x185 (Ø225) | - | - | - | - | 54x4 (Ø54) | - | 322x229 (Ø300) |
| 350 | 288x205 (Ø250) | 288x205 (Ø300) | - | 361x256 (Ø350) | 288x205 (Ø250) | 146x105 (Ø200) | - | - | - | 54x4 (Ø54) | - | 361x256 (Ø350) |
| 400 | 322x229 (Ø300) | 322x229 (Ø300) | 258x185 (Ø250) | 404x288 (Ø400) | 322x229 (Ø300) | 166x117 (Ø200) | - | 105x76 (Ø150) | - | 54x4 (Ø54) | 95x68 (Ø130) | 404x288 (Ø400) |
| 450 | 361x256 (Ø300) | 361x256 (Ø350) | 288x205 (Ø300) | 453x322 (Ø450) | 361x256 (Ø300) | 185x131 (Ø225) | 185x131 (Ø225) | 117x85 (Ø175) | - | 54x4 (Ø54) | 105x76 (Ø150) | 453x322 (Ø450) |
| 500 | 404x288 (Ø350) | 404x288 (Ø400) | 322x229 (Ø300) | 507x361 (Ø500) | 404x288 (Ø350) | 207x148 (Ø250) | 207x148 (Ø250) | 131x95 (Ø200) | 105x76 (Ø150) | 54x4 (Ø54) | 117x85 (Ø175) | 507x361 (Ø500) |
| 560 | 453x322 (Ø400) | 453x322 (Ø450) | 361x256 (Ø350) | 569x404 (Ø560) | 453x322 (Ø400) | 231x166 (Ø300) | 231x166 (Ø300) | 146x105 (Ø200) | 117x85 (Ø175) | 54x4 (Ø54) | 131x95 (Ø200) | 569x404 (Ø560) |
| 630 | 507x361 (Ø450) | 507x361 (Ø500) | 404x288 (Ø400) | 638x453 (Ø630) | 507x361 (Ø450) | 258x185 (Ø300) | 258x185 (Ø300) | 166x117 (Ø225) | 131x95 (Ø200) | 54x4 (Ø54) | 146x105 (Ø200) | 638x453 (Ø630) |
| 710 | 569x404 (Ø500) | 569x404 (Ø560) | 453x322 (Ø450) | 715x507 (Ø710) | 569x404 (Ø500) | 288x205 (Ø350) | 288x205 (Ø350) | 185x131 (Ø250) | 146x105 (Ø200) | 66x4 (Ø66) | 166x117 (Ø225) | - |
| 800 | 638x453 (Ø560) | 638x453 (Ø630) | 507x361 (Ø500) | 801x569 (Ø800) | 638x453 (Ø560) | 322x229 (Ø400) | 322x229 (Ø400) | 207x148 (Ø300) | 166x117 (Ø225) | 66x4 (Ø66) | 185x131 (Ø250) | - |
| 900 | 715x507 (Ø630) | 715x507 (Ø710) | 569x404 (Ø560) | 898x638 (Ø900) | 715x507 (Ø630) | 361x256 (Ø450) | 361x256 (Ø450) | 231x166 (Ø300) | 185x131 (Ø250) | 83x4 (Ø83) | 207x148 (Ø300) | - |
| 1000 | 801x569 (Ø710) | 801x569 (Ø800) | 638x453 (Ø630) | 1007x715 (Ø1000) | 801x569 (Ø710) | 404x288 (Ø500) | 404x288 (Ø500) | 258x185 (Ø350) | 207x148 (Ø300) | 83x4 (Ø83) | 231x166 (Ø300) | - |

EI DHUMAT

Outlet flange for DHUMAT

Embocadura impulsión DHUMAT



| MANUFACTURING FEATURES

- Connection flange for rectangular outlet of DHUMAT, to make the connection to a circular duct easier.
- Made of galvanized steel.

| CARACTERÍSTICAS CONSTRUCTIVAS

- Brida de conexión para boca de impulsión rectangular de ventiladores DHUMAT facilitando el conexionado a conducto circular.
- Fabricada en acero galvanizado.

| Code | Model | Weight Kg | R.R.P € |
|-----------|---------------|-----------|---------|
| Código | Modelo | Peso Kg | P.V.P € |
| 965310111 | EI DHUMAT 315 | 7 | 243,20 |
| 965350111 | EI DHUMAT 355 | 7 | 263,30 |
| 965400111 | EI DHUMAT 400 | 12 | 343,80 |
| 965450111 | EI DHUMAT 450 | 13 | 343,80 |
| 965500111 | EI DHUMAT 500 | 15 | 512,20 |
| 965560111 | EI DHUMAT 560 | 16 | 512,20 |
| 965630111 | EI DHUMAT 630 | 20 | 629,20 |
| 965710111 | EI DHUMAT 710 | 32 | 775,50 |
| 965800111 | EI DHUMAT 800 | 32 | 775,50 |

EIS

STORM outlet flange

Emboadura de impulsión STORM



MANUFACTURING FEATURES

- Connection flange for rectangular outlet of STORM centrifugal fans making the connection to circular duct easier.
- Manufactured in galvanized steel.

UNDER REQUEST

- Versions in stainless 304 and stainless 316.

CARACTERÍSTICAS CONSTRUCTIVAS

- Brida de conexión para boca de impulsión rectangular de los ventiladores centrifugos Storm facilitando el conexionado a conducto circular.
- Fabricado en acero galvanizado.

BAJO DEMANDA

- Versiones en Inoxidable 304 e Inoxidable 316.

| Code | Model | R.R.P € |
|-----------------|--------------------|--------------------|
| Código | Modelo | P.V.P € |
| EIS-3119831 | EIS 315x198-315 | 122,10 |
| EIS-3122131 | EIS 315x221-315 | 122,10 |
| EIS-3522435 | EIS 355x224-355 | 125,90 |
| EIS-3525035 | EIS 355x250-355 | 125,90 |
| EIS-4025240 | EIS 400x252-400 | 129,70 |
| EIS-4028140 | EIS 400x281-400 | 144,90 |
| EIS-4528445 | EIS 450x284-450 | 144,90 |
| EIS-4531645 | EIS 450x316-450 | 164,10 |
| EIS-5031650 | EIS 500x316-500 | 175,50 |
| EIS-5035250 | EIS 500x352-500 | 175,50 |
| EIS-5635456 | EIS 560x354-560 | 175,50 |
| EIS-5639456 | EIS 560x394-560 | 198,40 |
| EIS-6339863 | EIS 630x398-630 | 198,40 |
| EIS-6344363 | EIS 630x443-630 | 206,00 |
| EIS-7144971 | EIS 710x449-710 | 247,90 |
| EIS-7150071 | EIS 710x500-710 | 247,90 |
| EIS-8050580 | EIS 800x505-800 | 274,70 |
| EIS-8056280 | EIS 800x562-800 | 274,70 |
| EIS-9056790 | EIS 900x567-900 | 293,80 |
| EIS-9063390 | EIS 900x633-900 | 312,80 |
| EIS-100633100 | EIS 1000x633-1000 | 335,70 |
| EIS-100704100 | EIS 1000x704-1000 | 350,90 |
| EIS-112801-112 | EIS 1130x801-1120 | Consult Consultar |
| EIS-125898-125 | EIS 1267x898-1250 | Consult Consultar |
| EIS-1401007-140 | EIS 1421x1007-1400 | Consult Consultar |

SELECTION TABLE FOR EIS OUTLET CONNECTION FLANGE FOR STORM |
TABLA DE SELECCIÓN DE BRIDA DE CONEXIÓN EIS PARA STORM

Choose the size (Ø) and the model of the fan in the following table and locate the appropriate size of EIS outlet flange applied to the STORM* fans: NIMUS, NIMAX, PRESTUR, PREXTUR o IGNÉO.
 Escoja el tamaño (Ø) y el modelo del ventilador en la siguiente tabla y localice el tamaño correspondiente de la brida de conexión en impulsión EIS aplicada en ventiladores STORM*: NIMUS, NIMAX, PRESTUR, PREXTUR o IGNÉO.

| Storm fan size* | EIS |
|--------------------------|-----------------|
| Tamaño ventilador Storm* | EIS |
| 311 | EIS 315x198-315 |
| 312 | EIS 315x198-315 |
| 313 | EIS 315x221-315 |
| 314 | EIS 315x221-315 |
| 351 | EIS 355x250-350 |
| 352 | EIS 355x224-350 |
| 353 | EIS 355x250-350 |
| 354 | EIS 355x250-350 |
| 401 | EIS 400x252-400 |
| 402 | EIS 400x252-400 |
| 403 | EIS 400x281-400 |
| 404 | EIS 400x281-400 |
| 451 | EIS 450x284-450 |
| 452 | EIS 450x284-450 |
| 453 | EIS 450x316-450 |
| 454 | EIS 450x316-450 |
| 501 | EIS 500x316-500 |

| Storm fan size* | EIS |
|--------------------------|-----------------|
| Tamaño ventilador Storm* | EIS |
| 502 | EIS 500x316-500 |
| 503 | EIS 500x352-500 |
| 504 | EIS 500x352-500 |
| 561 | EIS 560x354-560 |
| 562 | EIS 560x354-560 |
| 563 | EIS 560x394-560 |
| 564 | EIS 560x394-560 |
| 631 | EIS 630x398-630 |
| 632 | EIS 630x398-630 |
| 633 | EIS 630x443-630 |
| 634 | EIS 630x443-630 |
| 711 | EIS 710x449-710 |
| 712 | EIS 710x449-710 |
| 713 | EIS 710x500-710 |
| 714 | EIS 710x500-710 |
| 801 | EIS 800x505-800 |
| 802 | EIS 800x505-800 |

| Storm fan size* | EIS |
|--------------------------|--------------------|
| Tamaño ventilador Storm* | EIS |
| 803 | EIS 800x562-800 |
| 804 | EIS 800x562-800 |
| 901 | EIS 900x567-900 |
| 902 | EIS 900x567-900 |
| 903 | EIS 900x633-900 |
| 904 | EIS 900x633-900 |
| 1001 | EIS 1000x633-1000 |
| 1002 | EIS 1000x633-1000 |
| 1003 | EIS 1000x704-1000 |
| 1004 | EIS 1000x704-1000 |
| 1121 | Consult Consultar |
| 1122 | Consult Consultar |
| 1251 | Consult Consultar |
| 1252 | Consult Consultar |
| 1401 | Consult Consultar |
| 1402 | Consult Consultar |

MBI

Outlet flange for BD and BV fans

Marco brida de impulsión para ventiladores BD o BV



MANUFACTURING FEATURES

- To be installed in the outlet of low pressure fans (BD, BV) and made the connection to the duct easier.
- Made of stainless steel.

UNDER REQUEST

- Possible spot welding on fans outlet.

CARACTERÍSTICAS CONSTRUCTIVAS

- Para instalarlo en la boca de impulsión de los ventiladores de baja presión (BD, BV) y facilitar el conexionado del conducto.
- Fabricado en acero inoxidable.

BAJO DEMANDA

- Pueden suministrarse soldados por puntos en la boca de impulsión de los ventiladores.

| Code | Model | Application | R.R.P € |
|-----------|-----------|-------------|---------|
| Código | Modelo | Aplicable | P.V.P € |
| 251161691 | MBI 7/7 | BD-BV 7/7 | 12,10 |
| 251261691 | MBI 9/7 | BD-BV 9/7 | 13,30 |
| 251281691 | MBI 9/9 | BD-BV 9/9 | 15,30 |
| 251331691 | MBI 10/8 | BD-BV 10/8 | 21,70 |
| 251371691 | MBI 10/10 | BD-BV 10/10 | 17,00 |
| 251601691 | MBI 12/9 | BD-BV 12/9 | 20,40 |
| 251521691 | MBI 12/12 | BD-BV 12/12 | 19,30 |
| 252371691 | MBI 15/15 | BD-BV 15/15 | 26,10 |
| 252451691 | MBI 18/18 | BV 18/18 | 36,50 |

UNDER REQUEST: Possible spot welding on fans outlet.

BAJO DEMANDA: Pueden ser soldados por puntos en la boca de impulsión.

MC HB

Square frame for HB fans

Marco soporte cuadrado para HB



MANUFACTURING FEATURES

- Square support frame for HB fans.
- Made of steel and protected against corrosion with polyester resin powder.

CARACTERÍSTICAS CONSTRUCTIVAS

- Marco soporte cuadrado para ventiladores HB.
- Fabricado en acero y protegido contra la corrosión con polvo de resina de poliéster.

| Code | Model | Application | R.R.P € |
|-----------|-----------|----------------|---------|
| Código | Modelo | Aplicable | P.V.P € |
| 960003152 | MC HB 35 | HB-HBF-HBX 35 | 75,90 |
| 960003153 | MC HB 40 | HB-HBF-HBX 40 | 90,00 |
| 960003154 | MC HB 45 | HB-HBF-HBX 45 | 101,70 |
| 960003155 | MC HB 50 | HB-HBF-HBX 50 | 112,90 |
| 960003156 | MC HB 56 | HB-HBF-HBX 56 | 122,30 |
| 960003157 | MC HB 63 | HB-HBF-HBX 63 | 135,90 |
| 960003158 | MC HB 71 | HB-HBF-HBX 71 | 141,20 |
| 960003159 | MC HB 80 | HB-HBF-HBX 80 | 171,40 |
| 960003160 | MC HB 90 | HB-HBF-HBX 90 | 228,50 |
| 960003161 | MC HB 100 | HB-HBF-HBX 100 | 281,00 |

BA-400

Flexible flange 400°C/2h

Brida antivibratoria 400°C/2h



MANUFACTURING FEATURES

- Flexible polyurethane coupling flange with fiberglass fabric to avoid possible vibrations to the installation.
- 160 mm width and supplied with 2 fixing clamps.
- Certified according to the European standard EN 12101-3 400°C/2h. Fire classification: M0..

CARACTERÍSTICAS CONSTRUCTIVAS

- Brida de acoplamiento flexible de poliuretano con tejido de fibra de vidrio para evitar posibles vibraciones en la instalación.
- Ancho de 160 mm y suministrada con 2 abrazaderas de fijación.
- Homologada según norma europea EN 12101-3 400°C/2h. Clasificación al fuego: M0.

| Code | Model | Application | R.R.P € |
|-----------|--------------|-------------|---------|
| Código | Modelo | Aplicable | P.V.P € |
| 960002068 | BA-400 10/12 | 100/125 | 18,10 |
| 960002067 | BA-400 15/16 | 150/160 | 20,00 |
| 960002066 | BA-400 20 | 200 | 20,90 |
| 960002051 | BA-400 25 | 250 | 22,40 |
| 960002052 | BA-400 30/31 | 300/315 | 25,30 |
| 960002053 | BA-400 35 | 355 | 26,20 |
| 960002054 | BA-400 40 | 400 | 28,30 |
| 960002055 | BA-400 45 | 450 | 30,10 |
| 960002064 | BA-400 50 | 500 | 32,30 |
| 960002056 | BA-400 56 | 560 | 34,20 |
| 960002057 | BA-400 63 | 630 | 36,80 |
| 960002058 | BA-400 71 | 710 | 41,20 |
| 960002059 | BA-400 80 | 800 | 44,40 |
| 960002061 | BA-400 90 | 900 | 50,40 |
| 960002062 | BA-400 100 | 1000 | 53,10 |
| 960002063 | BA-400 112 | 1120 | - |
| 960002064 | BA-400 125 | 1250 | - |

JE 45

Anti-vibration joint

Brida antivibratoria



MANUFACTURING FEATURES

- Flexible joint to clinch the fan to the duct.
- Avoids transmission of vibrations for circular and rectangular connection.
- Dimensions: two metallic flanges of 45mm each one and a flexible flange of 60mm.
- The reel is 30,5m length.
- Maximum pressure: 20 mmca.
- Fire resistance M0 from -50°C to +200°C in continuous and 400°C/2h.

CARACTERÍSTICAS CONSTRUCTIVAS

- Junta elástica para remachar entre el ventilador y el conducto.
- Evita la transmisión de vibraciones para conexión circular y rectangular.
- Dimensiones: dos bandas metálicas de 45mm y una banda elástica de 60mm.
- Se suministra en bobina de 30,5m.
- Presión máxima: 20mmca.
- Resistencia al fuego M0 de -50°C a +200°C en continuo y 400°C/2h.

| Code | Model | R.R.P € |
|-----------|--------|---------|
| Código | Modelo | P.V.P € |
| 300719201 | JE 45 | 156,80 |

BAD

Circular-circular anti-vibration flange

Brida antivibratoria circular-circular



MANUFACTURING FEATURES

- Circular-circular coupling flange through anti-vibration canvas.
- Fire resistance M0: from -50°C to +200°C in continuous and 400°C/2h.

CARACTERÍSTICAS CONSTRUCTIVAS

- Brida de acoplamiento circular-circular mediante lona antivibratoria.
- Resistencia al fuego M0 de -50°C a +200°C en continuo y 400°C/2h.

| Code | Model | | R.R.P € |
|-----------|--------|------------------|---------|
| Código | Modelo | Ø Entrada-Salida | P.V.P € |
| 960003451 | BAD 1 | 80 | 97,00 |
| 960003452 | BAD 2 | 100 | 97,70 |
| 960003453 | BAD 3 | 130 | 99,50 |
| 960003454 | BAD 4 | 150 | 107,90 |
| 960003455 | BAD 5 | 175 | 109,80 |
| 960003456 | BAD 6 | 200 | 112,40 |
| 960003457 | BAD 7 | 225 | 117,30 |
| 960003458 | BAD 8 | 250 | 136,70 |
| 960003459 | BAD 9 | 300 | 150,40 |
| 960003460 | BAD 10 | 350 | 155,80 |
| 960003461 | BAD 11 | 400 | 171,00 |
| 960003462 | BAD 12 | 450 | 177,80 |
| 960003463 | BAD 13 | 500 | 202,50 |
| 960003464 | BAD 14 | 560 | 224,10 |
| 960003465 | BAD 15 | 630 | 247,50 |
| 960003466 | BAD 16 | 710 | 301,30 |
| 960003467 | BAD 17 | 800 | 296,30 |
| 960003468 | BAD 18 | 900 | 421,50 |
| 960003469 | BAD 19 | 1000 | 456,00 |
| 960003470 | BAD 20 | 1120 | 633,00 |
| 960003471 | BAD 21 | 1250 | 693,10 |

BADS

Circular-circular anti-vibration flange for **STORM**

Brida antivibratoria circular-circular para **STORM**



| MANUFACTURING FEATURES

- Circular-circular coupling flange through anti-vibration canvas.

| CARACTERÍSTICAS CONSTRUCTIVAS

- Brida de acoplamiento circular-circular mediante lona antivibratoria.

| Code | Model | R.R.P € |
|-------------|-----------|---------------------|
| Código | Modelo | P.V.P € |
| BADS-3131 | BADS 315 | 78,90 |
| BADS-3535 | BADS 350 | 78,90 |
| BADS-4040 | BADS 400 | 94,60 |
| BADS-4545 | BADS 450 | 97,90 |
| BADS-5050 | BADS 500 | 112,20 |
| BADS-5656 | BADS 560 | 124,40 |
| BADS-6363 | BADS 630 | 138,90 |
| BADS-7171 | BADS 710 | 152,20 |
| BADS-8080 | BADS 800 | 168,20 |
| BADS-9090 | BADS 900 | 186,10 |
| BADS-100100 | BADS 1000 | 214,40 |
| BADS-112112 | BADS 1120 | 235,70 |
| BADS-125125 | BADS 1250 | Consult Consultar |
| BADS-140140 | BADS 1400 | Consult Consultar |

BADS ATEX

Circular-circular coupling flange ATEX for **STORM**

Brida antivibratoria circular-circular ATEX para **STORM**



| MANUFACTURING FEATURES

- Circular-circular coupling flange through anti-vibration canvas ATEX.

| CARACTERÍSTICAS CONSTRUCTIVAS

- Brida de acoplamiento circular-circular mediante lona antivibratoria ATEX.

| Code | Model | R.R.P € |
|---------------|----------------|---------------------|
| Código | Modelo | P.V.P € |
| BADS-3131X0 | BADS 315 ATEX | 167,10 |
| BADS-3535X0 | BADS 350 ATEX | 167,10 |
| BADS-4040X0 | BADS 400 ATEX | 192,80 |
| BADS-4545X0 | BADS 450 ATEX | 222,10 |
| BADS-5050X0 | BADS 500 ATEX | 243,20 |
| BADS-5656X0 | BADS 560 ATEX | 270,90 |
| BADS-6363X0 | BADS 630 ATEX | 304,30 |
| BADS-7171X0 | BADS 710 ATEX | 334,90 |
| BADS-8080X0 | BADS 800 ATEX | 367,50 |
| BADS-9090X0 | BADS 900 ATEX | 412,50 |
| BADS-100100X0 | BADS 1000 ATEX | 477,40 |
| BADS-112112X0 | BADS 1120 ATEX | 525,80 |
| BADS-125125X0 | BADS 1250 ATEX | Consult Consultar |
| BADS-140140X0 | BADS 1400 ATEX | Consult Consultar |

BADS F400/2H

Circular-circular coupling flange F400/2h for **STORM**

Brida antivibratoria circular-circular F400/2h para **STORM**



| MANUFACTURING FEATURES

- Circular-circular coupling flange through anti-vibration canvas.
- Fire resistance M0 (from -50°C to 200°C in continuous) and 400°C/2h.

| CARACTERÍSTICAS CONSTRUCTIVAS

- Brida de acoplamiento circular-circular mediante lona antivibratoria.
- Resistencia al fuego M0 de -50°C a 200°C en continuo y 400°C/2h.

| Code | Model | R.R.P € |
|---------------|----------------|---------------------|
| Código | Modelo | P.V.P € |
| BADS-3131F4 | BADS 315 F400 | 85,30 |
| BADS-3535F4 | BADS 350 F400 | 85,30 |
| BADS-4040F4 | BADS 400 F400 | 108,00 |
| BADS-4545F4 | BADS 450 F400 | 117,90 |
| BADS-5050F4 | BADS 500 F400 | 128,80 |
| BADS-5656F4 | BADS 560 F400 | 143,10 |
| BADS-6363F4 | BADS 630 F400 | 160,20 |
| BADS-7171F4 | BADS 710 F400 | 175,80 |
| BADS-8080F4 | BADS 800 F400 | 194,60 |
| BADS-9090F4 | BADS 900 F400 | 215,70 |
| BADS-100100F4 | BADS 1000 F400 | 249,00 |
| BADS-112112F4 | BADS 1120 F400 | 273,80 |
| BADS-125125F4 | BADS 1250 F400 | Consult Consultar |
| BADS-140140F4 | BADS 1400 F400 | Consult Consultar |

BIDS

Rectangular-Rectangular anti-vibration flange for Storm

Brida antivibratoria rectangular-rectangular para STORM



MANUFACTURING FEATURES

- Rectangular-rectangular coupling flange through anti-vibration canvas.

CARACTERÍSTICAS CONSTRUCTIVAS

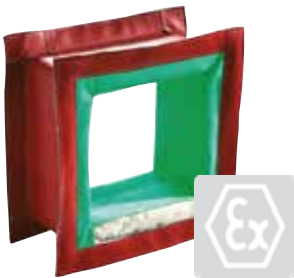
- Brida de acoplamiento rectangular-rectangular mediante lona antivibratoria.

| Code | Model | R.R.P € |
|--------------|--------------------|---------------------|
| Código | Modelo | P.V.P € |
| BIDS-31198 | BIDS 315x198-200 | 81,20 |
| BIDS-31221 | BIDS 315x221-200 | 81,20 |
| BIDS-35224 | BIDS 355x224-200 | 89,40 |
| BIDS-35250 | BIDS 355x250-200 | 89,40 |
| BIDS-40252 | BIDS 400x252-200 | 98,50 |
| BIDS-40281 | BIDS 400x281-200 | 98,50 |
| BIDS-45284 | BIDS 450x284-200 | 108,80 |
| BIDS-45316 | BIDS 450x316-200 | 108,80 |
| BIDS-50316 | BIDS 500x316-200 | 119,00 |
| BIDS-50352 | BIDS 500x352-200 | 119,00 |
| BIDS-56354 | BIDS 560x354-200 | 131,10 |
| BIDS-56394 | BIDS 560x394-200 | 131,10 |
| BIDS-63398 | BIDS 630x398-200 | 145,30 |
| BIDS-63443 | BIDS 630x443-200 | 145,30 |
| BIDS-71449 | BIDS 710x449-200 | 161,60 |
| BIDS-71500 | BIDS 710x500-200 | 161,60 |
| BIDS-80505 | BIDS 800x505-200 | 179,80 |
| BIDS-80562 | BIDS 800x562-200 | 179,80 |
| BIDS-90567 | BIDS 900x567-200 | 200,00 |
| BIDS-90633 | BIDS 900x633-200 | 200,00 |
| BIDS-100633 | BIDS 1000x633-200 | 220,60 |
| BIDS-100704 | BIDS 1000x704-200 | 220,60 |
| BIDS-112801 | BIDS 1130x801-200 | Consult Consultar |
| BIDS-125898 | BIDS 1267x898-200 | Consult Consultar |
| BIDS-1401007 | BIDS 1421x1007-200 | Consult Consultar |

BIDS ATEX

Rectangular-rectangular coupling flange ATEX for STORM

Brida antivibratoria rectangular-rectangular ATEX para STORM



MANUFACTURING FEATURES

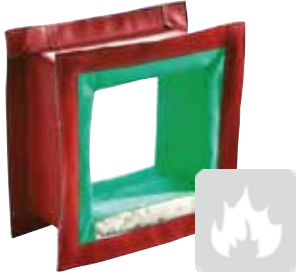
- Rectangular-rectangular coupling flange through anti-vibration canvas ATEX.

CARACTERÍSTICAS CONSTRUCTIVAS

- Brida de acoplamiento rectangular-rectangular mediante lona antivibratoria ATEX.

| Code | Model | R.R.P € |
|----------------|-------------------------|---------------------|
| Código | Modelo | P.V.P € |
| BIDS-31198X0 | BIDS 315x198-200 ATEX | 172,30 |
| BIDS-31221X0 | BIDS 315x221-200 ATEX | 172,30 |
| BIDS-35224X0 | BIDS 355x224-200 ATEX | 191,10 |
| BIDS-35250X0 | BIDS 355x250-200 ATEX | 191,10 |
| BIDS-40252X0 | BIDS 400x252-200 ATEX | 212,00 |
| BIDS-40281X0 | BIDS 400x281-200 ATEX | 212,00 |
| BIDS-45284X0 | BIDS 450x284-200 ATEX | 235,40 |
| BIDS-45316X0 | BIDS 450x316-200 ATEX | 235,40 |
| BIDS-50316X0 | BIDS 500x316-200 ATEX | 258,70 |
| BIDS-50352X0 | BIDS 500x352-200 ATEX | 258,70 |
| BIDS-56354X0 | BIDS 560x354-200 ATEX | 286,60 |
| BIDS-56394X0 | BIDS 560x394-200 ATEX | 286,60 |
| BIDS-63398X0 | BIDS 630x398-200 ATEX | 319,20 |
| BIDS-63443X0 | BIDS 630x443-200 ATEX | 319,20 |
| BIDS-71449X0 | BIDS 710x449-200 ATEX | 356,60 |
| BIDS-71500X0 | BIDS 710x500-200 ATEX | 356,60 |
| BIDS-80505X0 | BIDS 800x505-200 ATEX | 398,20 |
| BIDS-80562X0 | BIDS 800x562-200 ATEX | 398,20 |
| BIDS-90567X0 | BIDS 900x567-200 ATEX | 444,40 |
| BIDS-90633X0 | BIDS 900x633-200 ATEX | 444,40 |
| BIDS-100633X0 | BIDS 1000x633-200 ATEX | 491,80 |
| BIDS-100704X0 | BIDS 1000x704-200 ATEX | 491,80 |
| BIDS-112801X0 | BIDS 1130x801-200 ATEX | Consult Consultar |
| BIDS-125898X0 | BIDS 1267x898-200 ATEX | Consult Consultar |
| BIDS-1401007X0 | BIDS 1421x1007-200 ATEX | Consult Consultar |

BIDS F400/2H



Rectangular-rectangular coupling flange F400/2h for STORM

Brida antivibratoria rectangular-rectangular F400/2h para STORM

| MANUFACTURING FEATURES

- Rectangular-rectangular coupling flange through anti-vibration canvas F400/2h.

| CARACTERÍSTICAS CONSTRUCTIVAS

- Brida de acoplamiento rectangular-rectangular mediante lona antivibratoria F400/2h.

| Code | Model | R.R.P € |
|----------------|-------------------------|---------------------|
| Código | Modelo | P.V.P € |
| BIDS-31198F4 | BIDS 315x198-200 F400 | 92,40 |
| BIDS-31221F4 | BIDS 315x221-200 F400 | 92,40 |
| BIDS-35224F4 | BIDS 355x224-200 F400 | 102,10 |
| BIDS-35250F4 | BIDS 355x250-200 F400 | 102,10 |
| BIDS-40252F4 | BIDS 400x252-200 F400 | 112,70 |
| BIDS-40281F4 | BIDS 400x281-200 F400 | 112,70 |
| BIDS-45284F4 | BIDS 450x284-200 F400 | 124,70 |
| BIDS-45316F4 | BIDS 450x316-200 F400 | 124,70 |
| BIDS-50316F4 | BIDS 500x316-200 F400 | 136,70 |
| BIDS-50352F4 | BIDS 500x352-200 F400 | 136,70 |
| BIDS-56354F4 | BIDS 560x354-200 F400 | 151,10 |
| BIDS-56394F4 | BIDS 560x394-200 F400 | 151,10 |
| BIDS-63398F4 | BIDS 630x398-200 F400 | 167,70 |
| BIDS-63443F4 | BIDS 630x443-200 F400 | 167,70 |
| BIDS-71449F4 | BIDS 710x449-200 F400 | 186,90 |
| BIDS-71500F4 | BIDS 710x500-200 F400 | 186,90 |
| BIDS-80505F4 | BIDS 800x505-200 F400 | 208,30 |
| BIDS-80562F4 | BIDS 800x562-200 F400 | 208,30 |
| BIDS-90567F4 | BIDS 900x567-200 F400 | 232,00 |
| BIDS-90633F4 | BIDS 900x633-200 F400 | 232,00 |
| BIDS-100633F4 | BIDS 1000x633-200 F400 | 256,30 |
| BIDS-100704F4 | BIDS 1000x704-200 F400 | 256,30 |
| BIDS-112801F4 | BIDS 1130x801-200 F400 | Consult Consultar |
| BIDS-125898F4 | BIDS 1267x898-200 F400 | Consult Consultar |
| BIDS-1401007F4 | BIDS 1421x1007-200 F400 | Consult Consultar |

TCA



Inlet blind cover

Tapa ciega aspiración

| MANUFACTURING FEATURES

- Allows customization of inlet's position and shape.
- Made of galvanized steel.

| CARACTERÍSTICAS CONSTRUCTIVAS

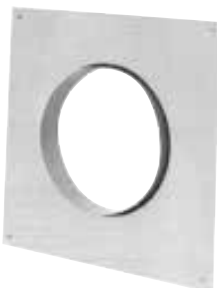
- Permite personalizar la posición y forma de la aspiración.
- Fabricada en acero galvanizado.

| Code | Model | Application | R.R.P € |
|-----------|--------|----------------------------|---------|
| Código | Modelo | Aplicable | P.V.P € |
| 960001111 | TCA 6 | BOX BD 7/7, BOX BV 7/7 | 22,40 |
| 960001112 | TCA 7 | BOX BD 9/9, BOX BV 9/9 | 26,00 |
| 960001113 | TCA 8 | BOX BD 10/10, BOX BV 10/10 | 27,20 |
| 960001114 | TCA 9 | BOX BD 12/12, BOX BV 12/12 | 28,60 |
| 960001115 | TCA 10 | BOX BD 15/15, BOX BV 15/15 | 31,50 |
| 960001121 | TCA 11 | BOX BV 18/18 | 34,00 |
| 960001122 | TCA 12 | BVFC 9/9 | 26,00 |
| 960001123 | TCA 13 | BVFC 10/10 | 27,20 |
| 960001124 | TCA 14 | BVFC 12/12 | 28,60 |
| 960001125 | TCA 15 | BVFC 15/15 | 31,50 |
| 960001131 | TCA 16 | BVFC 18/18 | 34,00 |

TIAC

Inlet-outlet round flanges

Tapa de aspiración / impulsión circular



| MANUFACTURING FEATURES

- Allows duct connection.
- Made of galvanized steel.

| CARACTERÍSTICAS CONSTRUCTIVAS

- Tapa que permite la conexión a conducto circular.
- Fabricada en acero galvanizado.

| Code | Model | Ø Out | Application | R.R.P € |
|-----------|--------------|----------|--------------------------------------|---------|
| Código | Modelo | Ø Salida | Aplicable | P.V.P € |
| 960001351 | TIAC 1 (OUT) | 250 | IMPULSIÓN BOX BD, BOX BV 7/7 | 35,10 |
| 960001352 | TIAC 2 (OUT) | 300 | IMPULSIÓN BOX BD, BOX BV, BVFC 9/9 | 43,30 |
| 960001353 | TIAC 3 (OUT) | 355 | IMPULSIÓN BOX BD, BOX BV, BVFC 10/10 | 46,80 |
| 960001354 | TIAC 4 (OUT) | 400 | IMPULSIÓN BOX BD, BOX BV, BVFC 12/12 | 54,30 |
| 960001355 | TIAC 5 (OUT) | 500 | IMPULSIÓN BOX BD, BOX BV, BVFC 15/15 | 61,30 |
| 960001356 | TIAC 6 (OUT) | 600 | IMPULSIÓN BOX BV, BVFC 18/18 | 91,70 |
| 960001357 | TIAC 7 (IN) | 300 | ASPIRACIÓN BVFC 9/9 | 46,70 |
| 960001358 | TIAC 8 (IN) | 355 | ASPIRACIÓN BVFC 10/10 | 49,50 |
| 960001359 | TIAC 9 (IN) | 400 | ASPIRACIÓN BVFC 12/12 | 59,30 |

| Code | Model | Ø Out | Application | R.R.P € |
|-----------|--------------|----------|---------------------------------------|---------|
| Código | Modelo | Ø Salida | Aplicable | P.V.P € |
| 960001360 | TIAC 10 (IN) | 500 | ASPIRACIÓN BVFC 15/15 | 78,90 |
| 960001361 | TIAC 11 (IN) | 600 | ASPIRACIÓN BVFC 18/18 | 99,30 |
| 960001362 | TIAC 12 (IN) | 250 | ASPIRACIÓN BOX BD 7/7, BOX BV 7/7 | 35,10 |
| 960001363 | TIAC 13 (IN) | 300 | ASPIRACIÓN BOX BD 9/9, BOX BV 9/9 | 43,30 |
| 960001364 | TIAC 14 (IN) | 355 | ASPIRACIÓN BOX BD 10/10, BOX BV 10/10 | 46,80 |
| 960001365 | TIAC 15 (IN) | 400 | ASPIRACIÓN BOX BD 12/12, BOX BV 12/12 | 54,30 |
| 960001366 | TIAC 16 (IN) | 500 | ASPIRACIÓN BOX BD 15/15, BOX BV 15/15 | 61,30 |
| 960001367 | TIAC 17 (IN) | 600 | ASPIRACIÓN BOX BV 18/18 | 91,70 |
| 960001940 | TIAC 40 | - | BOX RL/RLF/RLF 400 | 129,70 |
| 960001945 | TIAC 45 | - | BOX RL/RLF/RLF 450 | 134,40 |
| 960001950 | TIAC 50 | - | BOX RL/RLF/RLF 500 | 142,10 |
| 960001956 | TIAC 56 | - | BOX RL/RLF/RLF 560 | 145,70 |
| 960001963 | TIAC 63 | - | BOX RL/RLF/RLF 630 | 153,50 |
| 960001971 | TIAC 71 | - | BOX RL/RLF/RLF 710 | 165,40 |
| 960001980 | TIAC 80 | - | BOX RL/RLF/RLF 800 | 185,90 |

| Code | Model | Ø Out | Application | R.R.P € |
|------------|----------------------------------|----------|----------------------|---------|
| Código | Modelo | Ø Salida | Aplicable | P.V.P € |
| 251161932R | TIAC BOX BD/BV PLUS 7/7 (Ø250) | 250 | BOX BD/BV PLUS 7/7 | 98,20 |
| 251261932R | TIAC BOX BD/BV PLUS 9/7 (Ø315) | 315 | BOX BD/BV PLUS 9/7 | 104,00 |
| 251281932R | TIAC BOX BD/BV PLUS 9/9 (Ø355) | 355 | BOX BD/BV PLUS 9/9 | 104,00 |
| 251331932R | TIAC BOX BD/BV PLUS 10/8 (Ø355) | 355 | BOX BD/BV PLUS 10/8 | 124,50 |
| 251371932R | TIAC BOX BD/BV PLUS 10/10 (Ø400) | 400 | BOX BD/BV PLUS 10/10 | 124,50 |
| 251601932R | TIAC BOX BD/BV PLUS 12/9 (Ø400) | 400 | BOX BD/BV PLUS 12/9 | 172,20 |
| 251521932R | TIAC BOX BD/BV PLUS 12/12 (Ø450) | 450 | BOX BD/BV PLUS 12/12 | 172,20 |

BAC

Rectangular-circular anti-vibration flange

Brida antivibratoria rectangular-circular



| MANUFACTURING FEATURES

- Accessory for connection of BOX BD, BOX BV and BVFC F400 cabinet fans to a circular duct using anti-vibration canvas.
- Fire resistance M0 of -50°C to 200°C in continuous and 400°C/2h.

| CARACTERÍSTICAS CONSTRUCTIVAS

- Accesorio para conexión de cajas tipo BOX BD, BOX BV y BVFC F400 a conducto circular mediante lona antivibratoria.
- Resistencia al fuego M0 de -50°C a 200°C en continuo y 400°C/2h.

| Code | Model | Ø Outlet | Application | R.R.P € |
|-----------|-----------------------------|----------|--------------------------------|---------|
| Código | Modelo | Ø Salida | Aplicable | P.V.P € |
| 960002951 | BAC 1 (OUT 7/7) | 250 | IMPULSION BOX BD/BV 7/7 | 61,40 |
| 960002952 | BAC 2 (OUT 9/9) | 300 | IMPULSION BOX BD/BV/BVFC 9/9 | 71,90 |
| 960002953 | BAC 3 (OUT 10/10) | 355 | IMPULSION BOX BD/BV/BVFC 10/10 | 79,30 |
| 960002954 | BAC 4 (OUT 12/12) | 400 | IMPULSION BOX BD/BV/BVFC 12/12 | 90,00 |
| 960002955 | BAC 5 (OUT 15/15) | 500 | IMPULSION BOX BD/BV/BVFC 15/15 | 105,40 |
| 960002956 | BAC 6 (OUT 18/18) | 600 | IMPULSION BOX BV/BVFC 18/18 | 149,50 |
| 960002957 | BAC 7 (IN BVFC 9/9) | 300 | ASPIRACION BVFC 9/9 | 75,60 |
| 960002958 | BAC 8 (IN BVFC 10/10) | 355 | ASPIRACION BVFC 10/10 | 82,10 |
| 960002959 | BAC 9 (IN BVFC 12/12) | 400 | ASPIRACION BVFC 12/12 | 95,30 |
| 960002960 | BAC 10 (IN BVFC 15/15) | 500 | ASPIRACION BVFC15/15 | 123,90 |
| 960002961 | BAC 11 (IN BVFC 18/18) | 600 | ASPIRACION BVFC18/18 | 157,60 |
| 960002962 | BAC 12 (IN BOX BD/BV 7/7) | 250 | ASPIRACION BOX BD/BV 7/7 | 61,40 |
| 960002963 | BAC 13 (IN BOX BD/BV 9/9) | 300 | ASPIRACION BOX BD/BV 9/9 | 71,90 |
| 960002964 | BAC 14 (IN BOX BD/BV 10/10) | 355 | ASPIRACION BOX BD/BV 10/10 | 79,30 |
| 960002965 | BAC 15 (IN BOX BD/BV 12/12) | 400 | ASPIRACION BOX BD/BV 12/12 | 90,00 |
| 960002966 | BAC 16 (IN BOX BD/BV 15/15) | 500 | ASPIRACION BOX BD/BV 15/15 | 105,40 |
| 960002967 | BAC 17 (IN BOX BV 18/18) | 600 | ASPIRACION BOX BD/BV 18/18 | 149,50 |

CLBI

Inlet for PLUG FAN in cabinet

Boca de aspiración para PLUG FAN en cabina



| MANUFACTURING FEATURES

- Inlet cone for CLIBOS-TR, CLIBOS, CIKSTORM made of carbon steel and protected against corrosion by black anti-heat powder coating polyester resin.

| CARACTERÍSTICAS CONSTRUCTIVAS

- Boca de aspiración desbobada para CLIBOS-TR, CLIBOS, CIKSTORM fabricada en acero al carbono y pintada con pintura anticorrosiva de color negro.

| Code | Model | Application | Weight Kg | R.R.P € |
|------------|---------|-----------------------------------|-----------|---------|
| Código | Modelo | Aplicable | Peso Kg | P.V.P € |
| BAD-N45-A5 | CLBI 45 | CLIBOS-TR / CLIBOS / CIKSTORM 450 | 8,2 | 88,70 |
| BAD-N50-A5 | CLBI 50 | CLIBOS-TR / CLIBOS / CIKSTORM 500 | 9,1 | 97,40 |
| BAD-N56-A5 | CLBI 56 | CLIBOS-TR / CLIBOS / CIKSTORM 560 | 10,2 | 110,40 |
| BAD-N63-A5 | CLBI 63 | CLIBOS-TR / CLIBOS / CIKSTORM 630 | 13,9 | 159,70 |
| BAD-N71-A5 | CLBI 71 | CLIBOS-TR / CLIBOS / CIKSTORM 710 | 13 | 185,90 |
| BAD-N80-A5 | CLBI 80 | CLIBOS-TR / CLIBOS / CIKSTORM 800 | 18,3 | 200,20 |

VIS

Outdoor flange with bird guard

Visera para intemperie con malla antipájaros



VIS IN - VIS OUT

VIS OUT = Outlet | Impulsión
VIS IN = Inlet | Aspiración

MANUFACTURING FEATURES

- Outdoor flange with bird guard.
- Made of galvanized Steel.

CARACTERÍSTICAS CONSTRUCTIVAS

- Visera para intemperie con malla antipájaros
- Fabricada en acero galvanizado.

| Code | Model | Dimensions | Application | | R.R.P € |
|----------|--------------------|-------------|-------------------------------|----------------------|---------|
| Código | Modelo | Dimensiones | Aplicable | | P.V.P € |
| 96000051 | VIS IN 7 - OUT 10 | 360x320 | OUT: BOX BD, BV, BVFC 10/10 | IN: BOX BD, BV 7/7 | 76,60 |
| 96000052 | VIS IN 9 - OUT 12 | 435x370 | OUT: BOX BD, BV, BVFC 12/12 | IN: BOX BD, BV 9/9 | 84,00 |
| 96000053 | VIS IN 10 - OUT 15 | 505x427 | OUT: BOX BD, BV, BVFC 15/15 | IN: BOX BD, BV 10/10 | 93,40 |
| 96000054 | VIS IN 12 - OUT 18 | 590x511 | OUT: BOX BD, BV, BVFC 18/18 | IN: BOX BD, BV 12/12 | 105,80 |
| 96000060 | VIS IN 15 | 660x660 | IN: BOX BV 15/15 | | 170,10 |
| 96000061 | VIS IN 18 | 760x760 | IN: BOX BV 18/18 | | 186,90 |
| 96000059 | VIS OUT 7 | 265x235 | OUT: BOX BD, BOX BV 7/7 | | 62,30 |
| 96000050 | VIS OUT 9 | 330x290 | OUT: BOX BD, BOX BV, BVFC 9/9 | | 66,00 |
| 96000055 | VIS OUT 20 | 660x650 | OUT: BOX BV - BVFC 20/20 | | 155,60 |
| 96000056 | VIS OUT 22 | 720x720 | OUT: BOX BV - BVFC 22/22 | | 186,80 |
| 96000057 | VIS OUT 25 | 820x825 | OUT: BOX BV - BVFC 25/25 | | 236,70 |
| 96000058 | VIS OUT 30 | 945x975 | OUT: BOX BV - BVFC 30/28 | | 282,20 |

Outdoor flange for DHUMAT | Visera para DHUMAT

| Code | Model | Dimensions | Weight Kg | Application | R.R.P € |
|-----------|--------------------|---------------|-----------|----------------|---------|
| Código | Modelo | Dimensiones | Peso Kg | Aplicable | P.V.P € |
| 965310001 | VIS DHUMAT 315-355 | 503x503x150 | 2,5 | DHUMAT 315-355 | 121,40 |
| 965400001 | VIS DHUMAT 400-450 | 603x603x150 | 3,5 | DHUMAT 400-450 | 162,30 |
| 965500001 | VIS DHUMAT 500-560 | 803x803x150 | 5,25 | DHUMAT 500-560 | 324,50 |
| 965560001 | VIS DHUMAT 630 | 903x903x150 | 7 | DHUMAT 630 | 405,50 |
| 965710001 | VIS DHUMAT 710-800 | 1103x1103x200 | 9 | DHUMAT 710-800 | 486,80 |

VISC

Circular outdoor flange with bird guard

Visera para intemperie con malla antipájaros para boca circular



MANUFACTURING FEATURES

- Circular outdoor flange with bird guard made of galvanized steel.

CARACTERÍSTICAS CONSTRUCTIVAS

- Visera circular para intemperie con malla antipájaros, fabricada en acero galvanizado.

| Code | Model | Application | R.R.P € |
|-----------|-------------------|---|---------|
| Código | Modelo | Aplicación | P.V.P € |
| FX0050064 | VIS CIRCULAR Ø200 | ARUMAK LP 470 / ARUMAK LP 425 EEC / ARUMAK 430 / ARUMAK 430 EEC / CEPHIRUS 2 600-900 / CEPHIRUS 2 1200 EEC | 57,00 |
| FX0045450 | VIS CIRCULAR Ø250 | ARUMAK LP 850 / ARUMAK LP 900 EEC / ARUMAK 800 / ARUMAK 800 EEC | 67,20 |
| FX0050065 | VIS CIRCULAR Ø315 | ARUMAK 1750 / ARUMAK 1800 EEC / ARUMAK LP 2100 / ARUMAK 2100 / ARUMAK 2000 EEC / CEPHIRUS 2 1500-2100 / CEPHIRUS 2 2500 EEC | 73,00 |
| FX0050066 | VIS CIRCULAR Ø355 | CEPHIRUS 2 3500 / CEPHIRUS 2 3700 EEC | 74,10 |
| FX0045452 | VIS CIRCULAR Ø400 | ARUMAK LP 2900 / ARUMAK LP 2700 EEC / ARUMAK LP 4200 / ARUMAK LP 4000 EEC / ARUMAK 2600-3700 / ARUMAK 2600 EEC | 89,60 |
| FX0050067 | VIS CIRCULAR Ø450 | CEPHIRUS 2 4600-6400-7000 / CEPHIRUS 2 4600 EEC | 99,30 |

TEJ

Protection cowl for outdoor

Tejadillo para la intemperie



TEJ BVFC, BOX BV, BOX BD PLUS, BOX BV PLUS, SB PLUS EEC

MANUFACTURING FEATURES

- Protection cowl made of galvanized Steel for BVFC, BOX BV, BOX BV PLUS, BOX BD PLUS and SB PLUS EEC.

CARACTERÍSTICAS CONSTRUCTIVAS

- Tejadillo de acero galvanizado para BVFC, BOX BV, BOX BV PLUS, BOX BD PLUS y SB PLUS EEC.

| Code | Model | Application | R.R.P € |
|-----------|------------------|--------------|---------|
| Código | Modelo | Aplicable | P.V.P € |
| 960003510 | TEJ BVFC 20/20 | BVFC 20/20 | 172,70 |
| 960003520 | TEJ BVFC 22/22 | BVFC 22/22 | 188,90 |
| 960003530 | TEJ BVFC 25/25 | BVFC 25/25 | 206,30 |
| 960003540 | TEJ BVFC 30/28 | BVFC 30/28 | 223,70 |
| 960003550 | TEJ BOX BV 20/20 | BOX BV 20/20 | 128,50 |
| 960003560 | TEJ BOX BV 22/22 | BOX BV 22/22 | 146,10 |
| 960003570 | TEJ BOX BV 25/25 | BOX BV 25/25 | 163,50 |
| 960003580 | TEJ BOX BV 30/28 | BOX BV 30/28 | 179,70 |

| Code | Model | Application | R.R.P € |
|-----------|-----------------------|-------------------|---------|
| Código | Modelo | Aplicable | P.V.P € |
| 251161012 | TEJ BOX BD PLUS 7/7 | BOX BD PLUS 7/7 | 25,00 |
| 251281012 | TEJ BOX BD PLUS 9/9 | BOX BD PLUS 9/9 | 35,00 |
| 251371012 | TEJ BOX BD PLUS 10/10 | BOX BD PLUS 10/10 | 45,00 |
| 251521012 | TEJ BOX BD PLUS 12/12 | BOX BD PLUS 12/12 | 59,90 |
| 252371013 | TEJ BOX BD PLUS 15/15 | BOX BD PLUS 15/15 | 81,30 |
| 252091012 | TEJ BOX BV PLUS 7/7 | BOX BV PLUS 7/7 | 37,50 |
| 252181012 | TEJ BOX BV PLUS 9/9 | BOX BV PLUS 9/9 | 52,40 |
| 252211012 | TEJ BOX BV PLUS 10/10 | BOX BV PLUS 10/10 | 67,60 |
| 252301012 | TEJ BOX BV PLUS 12/12 | BOX BV PLUS 12/12 | 89,90 |
| 252371012 | TEJ BOX BV PLUS 15/15 | BOX BV PLUS 15/15 | 121,40 |
| 252451012 | TEJ BOX BV PLUS 18/18 | BOX BV PLUS 18/18 | 164,00 |

| Code | Model | Application | R.R.P € |
|-----------|---------------------|-----------------|---------|
| Código | Modelo | Aplicable | P.V.P € |
| 240201012 | TEJ SB 200 PLUS EEC | SB 200 PLUS EEC | 35,00 |
| 240251012 | TEJ SB 250 PLUS EEC | SB 250 PLUS EEC | 43,30 |
| 240311012 | TEJ SB 315 PLUS EEC | SB 315 PLUS EEC | 63,90 |
| 240351012 | TEJ SB 355 PLUS EEC | SB 355 PLUS EEC | 79,30 |

AVR

Anti-vibration rubber block

Amortiguador antivibrátil de caucho



AVR

MANUFACTURING FEATURES

- Support of great radial and axial elasticity.
- These low-profile, compact and elastic supports control the three directions of movement with large deformations in the rubber.
- It consists of two parallel armour adhered to the bell-shaped rubber and by a base with handles.
- These supports with handles have a threaded hole in their upper frame and are easy to install and fix.
- The steel protection washer allows it to withstand overloads by increasing its rigidity and protects the rubber from dripping hydrocarbons.
- Elastomer type NR or high quality elastomer. Working temperatures between -40°C and + 70° C.
- Taking into account the tolerances of hardness in the elastomers, the mechanical characteristics of these series may differ.
- Range of 6 sizes and 3 different hardnesses (45-60-75) to fit a load range between 2 Kg and 1300 Kg.
 1. Soft: hardness A 45
 2. Average: hardness B 60
 3. Hard: hardness C 75
- Sold in packages of 4 units.

APPLICATIONS

- Very appropriate in the elastic suspensions of machines that present vibrations of horizontal components.

CARACTERÍSTICAS CONSTRUCTIVAS

- Soporte de gran elasticidad radial y axial.
- Estos soportes elásticos equiprecuenciales, compactos y de bajo perfil controlan las tres direcciones del movimiento con deformaciones grandes en el caucho.
- Están constituidos por dos armaduras paralelas adheridas al caucho en forma de campana y por una base con orejas.
- Estos soportes con orejas tienen en su armadura superior un agujero roscado y son de fácil colocación y fijación.
- La arandela de protección en acero le permite soportar sobrecargas incrementando su rigidez y protege al caucho del posible goteo de hidrocarburos.
- Elastómero tipo NR o elastómero de alta calidad. Temperaturas de trabajo entre -40°C y + 70° C.
- Teniendo en cuenta las tolerancias de dureza en los elastómeros, las características mecánicas de estas series pueden presentar diferencias.
- Gama de 6 tamaños y 3 durezas diferentes (45-60-75) para acomodarse a un rango de carga comprendido entre los 2 Kg y 1300 Kg.
 1. Blanda: dureza A 45
 2. Media: dureza B 60
 3. Dura: dureza C 75
- Se venden en paquetes de 4 unidades.

APLICACIONES

- Muy apropiado en las suspensiones elásticas de máquinas que presenten vibraciones de componentes horizontales.

| Code | Model | Anchorage | Hardness | Min. load Kg | Max. load Kg | R.R.P €* |
|----------|------------|-----------|----------|---------------|---------------|----------|
| Código | Modelo | Anclaje | Dureza | Carga mín. Kg | Carga máx. Kg | P.V.P €* |
| AVR04045 | AVR 40/45 | M6 | 45,00 | 1,50 | 5 | 24,80 |
| AVR04060 | AVR 40/60 | M6 | 60,00 | 3,00 | 10 | 24,80 |
| AVR06045 | AVR 60/45 | M6 | 45,00 | 4,50 | 15 | 43,00 |
| AVR06060 | AVR 60/60 | M6 | 60,00 | 7,50 | 25 | 43,00 |
| AVR06075 | AVR 60/75 | M6 | 75,00 | 15,00 | 50 | 43,00 |
| AVR08045 | AVR 80/45 | M8 | 45,00 | 12,00 | 40 | 47,60 |
| AVR08060 | AVR 80/60 | M8 | 60,00 | 24,00 | 80 | 47,60 |
| AVR08075 | AVR 80/75 | M8 | 75,00 | 36,00 | 120 | 47,60 |
| AVR10045 | AVR 100/45 | M10 | 45,00 | 22,50 | 75 | 61,80 |
| AVR10060 | AVR 100/60 | M10 | 60,00 | 48,00 | 160 | 61,80 |
| AVR10075 | AVR 100/75 | M10 | 75,00 | 66,00 | 220 | 61,80 |
| AVR15045 | AVR 150/45 | M14 | 45,00 | 39,00 | 130 | 129,70 |
| AVR15060 | AVR 150/60 | M14 | 60,00 | 90,00 | 300 | 129,70 |
| AVR15075 | AVR 150/75 | M14 | 75,00 | 120,00 | 400 | 129,70 |
| AVR20045 | AVR 200/45 | M18 | 45,00 | 150,00 | 500 | 246,50 |
| AVR20060 | AVR 200/60 | M18 | 60,00 | 255,00 | 850 | 246,50 |
| AVR20075 | AVR 200/75 | M18 | 75,00 | 390,00 | 1300 | 246,50 |

* Price is for 4 units | * El precio es para las 4 unidades.

AVS

Anti-vibration spring block

Amortiguador antivibrátil de muelles



AVS

MANUFACTURING FEATURES

• Metal insulators designed to work with compression with 85% insulation according to the following arrows (travel in mm) and rpm:

| Arrow (mm.) | R.P.M. |
|-------------|------------|
| 20 mm> | 600 r.p.m. |
| 30 mm> | 500 r.p.m. |

• Made of high quality elastic steel, with rectangular base and rubber mat to improve the grip. It treats of a resistant product and easy assembly, that avoids all type of vibrations of the fans to the structure of the premises.
• Operating temperature from -45 ° C to + 120 ° C.

APPLICATIONS

• To install under machines with rotating components, ventilation groups, fans, ventilation boxes, etc.

CARACTERÍSTICAS CONSTRUCTIVAS

• Series de aisladores metálicos diseñados para trabajar a compresión con un aislamiento del 85% según las flechas (recorrido en mm) y rpm siguientes:

| Flecha (mm.) | R.P.M. |
|--------------|------------|
| 20 mm< | 600 r.p.m. |
| 30 mm< | 500 r.p.m. |

• Fabricado en acero elástico de alta calidad, con base rectangular y alfombrilla de goma para mejorar la sujeción.
• Resistente y de fácil montaje, que evita todo tipo de vibraciones de los ventiladores a la estructura del local.
• Temperatura de funcionamiento de - 45 ° C a + 120 ° C.

APLICACIONES

• Para instalar debajo de máquinas con componentes rotativos, grupos de ventilación, ventiladores, cajas de ventilación, etc.

| Code | Model | Anchorage | Ø | Min. load Kg | Max. load Kg | R.R.P € |
|----------|--------------|-----------|-------|---------------|---------------|---------|
| Código | Modelo | Anclaje | Ø | Carga mín. Kg | Carga máx. Kg | P.V.P € |
| AVS5525 | AVS 55 - 25 | M8 | 55,00 | 10,00 | 25 | 12,70 |
| AVS5550 | AVS 55 - 50 | M8 | 55,00 | 20,00 | 50 | 13,10 |
| AVS5575 | AVS 55 - 75 | M8 | 55,00 | 30,00 | 75 | 14,10 |
| AVS55110 | AVS 55 - 110 | M8 | 55,00 | 45,00 | 110 | 14,60 |
| AVS55125 | AVS 55 - 125 | M8 | 55,00 | 50,00 | 125 | 18,70 |
| AVS73150 | AVS 73 - 150 | M12 | 73,00 | 60,00 | 150 | 22,60 |
| AVS73200 | AVS 73 - 200 | M12 | 73,00 | 80,00 | 200 | 25,60 |
| AVS73250 | AVS 73 - 250 | M12 | 73,00 | 120,00 | 250 | 25,60 |
| AVS73350 | AVS 73 - 350 | M12 | 73,00 | 150,00 | 350 | 27,40 |
| AVS73450 | AVS 73 - 450 | M12 | 73,00 | 180,00 | 450 | 44,00 |
| AVS73550 | AVS 73 - 550 | M12 | 73,00 | 220,00 | 550 | 45,40 |

AVT

Ceiling anti-vibration spring block

Amortiguador antivibrátil de muelles para techo



AVT

MANUFACTURING FEATURES

• Anti-vibration spring block specifically designed for the lifting of equipment, with large overloads, rotating at more than 550 rpm. and for the support of gas or fluid pipes, air ducts and ventilation or air conditioning machinery.
• Zinc plated finish that protects against corrosion. Rubber base. Tolerances according to ISO 3302.

APPLICATIONS

• Support of Equipment for the support of gas or fluid pipes, air ducts and ventilation or air conditioning machinery.

CARACTERÍSTICAS CONSTRUCTIVAS

• Amortiguadores antivibrátiles diseñados específicamente para la sustentación de equipos, con grandes sobrecargas, girando a más de 550 r.p.m. y para la sustentación de tuberías de gas o fluidos, conductos de aire y maquinaria ventilación o de aire acondicionado.
• Acabado Zincado que le protege ante la corrosión. Base de Goma. Tolerancias según norma ISO 3302.

APLICACIONES

• Sustentación de equipos para la sustentación de tuberías de gas o fluidos, conductos de aire y maquinaria ventilación o de aire acondicionado.

| Code | Model | Anchorage | Base Suport (mm) | Min. Load (Kg) | Max Load (Kg) | Deflection (mm) | R.R.P € |
|-----------|-------------|-----------|-------------------|-----------------|----------------|-----------------|-------------|
| Código | Modelo | Anclaje | Base Soporte (mm) | Carga Mín. (Kg) | Carga Máx (Kg) | Compresión (mm) | PVP P.V.P € |
| AVT7525 | AVT 75 25 | M12 | 75 | 10 | 25 | 24 (+/- 3) | 11,50 |
| AVT7550 | AVT 75 50 | M12 | 75 | 20 | 50 | 24 (+/- 3) | 12,40 |
| AVT7575 | AVT 75 75 | M12 | 75 | 30 | 75 | 24 (+/- 3) | 13,50 |
| AVT75100 | AVT 75 100 | M12 | 75 | 40 | 100 | 24 (+/- 3) | 14,90 |
| AVT120150 | AVT 120 150 | M16 | 120 | 60 | 150 | 35 (+/- 4) | 48,80 |

AT

Aluminum adhesive tape for duct and fiber sealing

Cinta adhesiva de aluminio para sellado de conducto y fibra



| MANUFACTURING FEATURES

- Adhesive tape made of annealed aluminum material, covered by an acrylic-based adhesive, protected by a paper.
- With high peel and tack properties as well as good shear strength.
- Acrylic adhesive system resistant to high temperatures and high adhesive strength to ensure a tight bond.
- Resistant to temperatures from -20°C to 110°C. Class to fire M1.
- In storage store between 10° and 25°C, protected from dirt, heat, humidity, direct sunlight, corrosion and solvent vapours.
- For closing joints in fiber ducts (AT 75 recommended). For sealing rigid air ducts (AT 63 recommended).

| APPLICATIONS

- Ideal for applications that require detection by photoelectric equipment.
- Also multi-purpose application for coating and insulation in the air conditioning, ventilation and air conditioning sector.

| CARACTERÍSTICAS CONSTRUCTIVAS

- Cinta adhesiva fabricada en material de aluminio recocido, recubierto por adhesivo de base acrílica, protegido por un papel.
- Con altas propiedades de pelado y de tack así como una buena resistencia al cizallamiento.
- Sistema adhesivo acrílico resistente a altas temperaturas y con gran fuerza adhesiva para garantizar un pegado hermético.
- Resistente a temperaturas de -20°C hasta 110°C. Clase al fuego M1.
- En almacén, conservar entre 10° y 25°C, protegidos de la suciedad, calor, humedad, luz solar directa, corrosión y vapores disolventes.
- Para cierre de juntas en conductos de fibra (se recomienda AT 75). Para sellado de conductos rígidos de aire (se recomienda AT 63).

| APLICACIONES

- Ideal para aplicaciones que requieran detección mediante equipamiento fotoeléctrico.
- También aplicación multiuso para el recubrimiento y aislamiento en el sector del aire acondicionado, ventilación y climatización.

| Code | Model | Dimensions | Thickness | Resistance °C | R.R.P € |
|-----------|--------|-------------|-----------|----------------|---------|
| Código | Modelo | Dimensiones | Espesor | Resistencia °C | P.V.P € |
| 651520300 | AT 63 | 65 x 50 | 30 | 110 | 10,30 |
| 651520400 | AT 75 | 75 x 50 | 30 | 110 | 11,70 |

CPS

Outlet bend for STORM fans

Codo para la impulsión de ventiladores STORM



| MANUFACTURING FEATURES

- Manufactured in galvanized steel sheet for circular-rectangular adaptation.

| APPLICATIONS

- Often needed in Paint booths.

| UNDER REQUEST

- Painted.
- Inox 304 and Inox 316.

| CARACTERÍSTICAS CONSTRUCTIVAS

- Fabricado en chapa de acero galvanizado para adaptación circular-rectangular.

| APLICACIONES

- Adecuado para cadenas de pintura

| BAJO DEMANDA

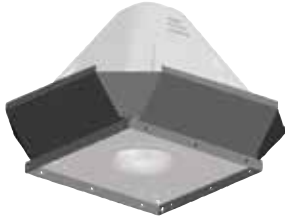
- Pintado.
- Inox 304 e Inox 316.

| Code | Model | R.R.P € |
|---------------|-------------------|---------|
| Código | Modelo | P.V.P € |
| CPS-3119831 | CPS 315x198-315 | 175,70 |
| CPS-3122131 | CPS 315x221-315 | 183,10 |
| CPS-3522435 | CPS 355x224-350 | 197,70 |
| CPS-3525035 | CPS 355x250-350 | 205,00 |
| CPS-4025240 | CPS 400x252-400 | 216,00 |
| CPS-4028140 | CPS 400x281-400 | 227,10 |
| CPS-4528445 | CPS 450x284-450 | 234,30 |
| CPS-4531645 | CPS 450x316-450 | 249,00 |
| CPS-5031650 | CPS 500x316-500 | 256,30 |
| CPS-5035250 | CPS 500x352-500 | 270,90 |
| CPS-5635456 | CPS 560x354-560 | 292,90 |
| CPS-5639456 | CPS 560x394-560 | 318,50 |
| CPS-6339863 | CPS 630x398-630 | 340,50 |
| CPS-6344363 | CPS 630x443-630 | 358,80 |
| CPS-7144971 | CPS 710x449-710 | 380,80 |
| CPS-7150071 | CPS 710x500-710 | 402,80 |
| CPS-8050580 | CPS 800x505-800 | 421,10 |
| CPS-8056280 | CPS 800x562-800 | 457,70 |
| CPS-9056790 | CPS 900x567-900 | 494,30 |
| CPS-9063390 | CPS 900x633-900 | 505,30 |
| CPS-100633100 | CPS 1000x633-1000 | 527,20 |
| CPS-100704100 | CPS 1000x704-1000 | 556,50 |

KV CTH3

CTH3 vertical discharge

Descarga vertical para CTH3



| MANUFACTURING FEATURES

- Accessory to convert the CTH3 roof fan to vertical discharge.
- Made of galvanized steel.

| CARACTERÍSTICAS CONSTRUCTIVAS

- Accesorio para convertir el ventilador de tejado CTH3 en descarga vertical.
- Fabricado en acero galvanizado.

| Code | Model | Application | Weight Kg | R.R.P € |
|-----------|----------------------|------------------|-----------|---------------|
| Código | Modelo | Aplicable | Peso Kg | P.V.P € |
| 960004710 | KV CTH-3 225-250 | CTH3 225-250 | 4 | 90,80 |
| 960004720 | KV CTH-3 280-315 | CTH3 280-315 | 8 | 140,10 |
| 960004730 | KV CTH-3 355-400-450 | CTH3 355-400-450 | 13 | 151,80 |
| 960004750 | KV CTH-3 500-560-630 | CTH3 500-560-630 | - | 263,80 |
| 960004760 | KV CTH-3 710-800 | CTH3 710-800 | - | 321,50 |

CLBC

Inlet for PLUG FAN in cabinet

Boca de aspiración para PLUG FAN en cabina



| MANUFACTURING FEATURES

- Scroll for CLIBOS-TR, CLIBOS, CIKSTORM made of carbon steel and painted with anti-heat black paint.

| CARACTERÍSTICAS CONSTRUCTIVAS

- Envoltorio para CLIBOS-TR, CLIBOS, CIKSTORM fabricado en acero al carbono y pintado con pintura anticorrosiva de color negro.

| Code | Model | Application | R.R.P € |
|-----------|---------|-----------------------------------|---------------|
| Código | Modelo | Aplicable | P.V.P € |
| CLBC45-A5 | CLBC 45 | CLIBOS-TR / CLIBOS / CIKSTORM 450 | 364,50 |
| CLBC50-A5 | CLBC 50 | CLIBOS-TR / CLIBOS / CIKSTORM 500 | 382,70 |
| CLBC56-A5 | CLBC 56 | CLIBOS-TR / CLIBOS / CIKSTORM 560 | 401,00 |
| CLBC63-A5 | CLBC 63 | CLIBOS-TR / CLIBOS / CIKSTORM 630 | 419,20 |
| CLBC71-A5 | CLBC 71 | CLIBOS-TR / CLIBOS / CIKSTORM 710 | 455,70 |
| CLBC80-A5 | CLBC 80 | CLIBOS-TR / CLIBOS / CIKSTORM 800 | 473,80 |

AB

Acoustic cabins for Casals centrifugal fans

Cabinas acústicas para ventiladores centrífugos Casals



| MANUFACTURING FEATURES

- Customized structure made of extruded aluminum profiles available in different dimensions according to the panel to be installed and the fan volume. The profiles joining is made of polyamide corners, which gives them great strength and the possibility of disassembling the structure into pieces.
- Panels can be made of a single sheet with inner insulation of 10 mm thick polyethylene foam, or 2 sheets (sandwich panel) with thicknesses of 25 mm or 50 mm, depending on the required attenuation degree.
- The sheets of each panel can be galvanized steel, galvanized steel with coloured plastic coating or stainless steel. The lower part is finished off with a structure / plinth for transport and handling, made of galvanized sheet or upn-80/100 joist, depending on the cabin dimensions and weight.
- The air inlets and outlets of the cabin have anti-vibration tarpaulins coupled to mounted fans. These fans rest on a floating base with acoustic dampers.

| APPLICATIONS

- To attenuate the sound emitted from a centrifugal fans in operation, especially near spaces where performed activities need a silent environment.

* RRP to consult.

| CARACTERÍSTICAS CONSTRUCTIVAS

- Estructura a medida formada por perfiles de aluminio extrusionado de diferentes dimensiones según el panel a instalar y el volumen del ventilador. La unión de dichos perfiles se realiza mediante esquinas de poliamida, lo que les confiere gran resistencia y la posibilidad de desmontar la estructura en piezas.
- Los paneles pueden ser de una sola chapa con aislamiento interior de espuma de polietileno de 10 mm de espesor, o de 2 chapas (panel sandwich) con espesores de 25 mm ó 50 mm, según el grado de atenuación exigido. Las chapas que conforman los paneles pueden ser de acero galvanizado, acero galvanizado con recubrimiento de plástico de color o de acero inoxidable.
- La parte inferior se remata con una estructura / zócalo para su transporte y manipulación, realizada en chapa galvanizada o vigueta upn- 80/100, en función de las dimensiones y pesos de la cabina.
- Las entradas y salidas de aire de la cabina llevan lonas antivibratorias acopladas a los ventiladores montados. Dichos ventiladores descansan sobre una base flotante, mediante amortiguadores acústicos.

| APLICACIONES

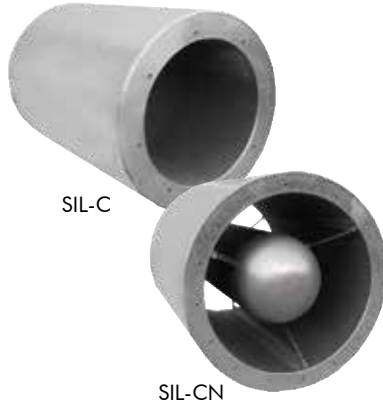
- Atenuar el sonido que se desprende de los ventiladores centrífugos en funcionamiento, especialmente cerca de espacios donde se desempeñan actividades donde el ruido resulta más molesto de lo habitual.

* PVP a consultar.

SIL-C / SIL-CN

Circular silencer

Silenciador circular



| MANUFACTURING FEATURES

- Valid for mounting in inlet and outlet according to the diameter of the corresponding pipe or adapted to the diameter of an optional flange. Consult to Casals Ventilación.
- Steel housing with thickness of 0.8mm for diameters up to 1250mm; and 1mm for higher diameters.
- Silencer flange with threaded inserts.
- Acoustic rock wool insulation of 70Kg/m³ with microperforated metal mesh that protects the fiberglass from erosion. Fire resistant insulation M0.
- Attenuation test carried out according to the ISO 7235 standard.
- Drills in accordance with Eurovent regulations.
- SIL-CN are equipped with an inner core that increases silencer attenuation.
- Maximum working temperature: 150°C.
- Suitable for pressure up to 1000 Pa.

| APPLICATIONS

- For attenuating the sound level of the fan.
- For coupling fans and circular pipes.

| CARACTERÍSTICAS CONSTRUCTIVAS

- Válidos para montar en aspiración o impulsión en función del diámetro del tubo correspondiente o bien adaptado al diámetro de una brida opcional. Preguntar a Casals Ventilación.
- Carcasa de acero con espesor de 0,8mm para diámetros de hasta 1250mm; y 1mm para diámetros superiores.
- Embocadura del silenciador con insertos roscados.
- Aislante acústico de lana de roca de 70Kg/m³ con malla metálica microperforada que protege la fibra de vidrio de la erosión. Aislamiento resistente al fuego M0.
- Ensayo de atenuación realizado según la normativa ISO 7235.
- Taladros acorde a la normativa Eurovent.
- Los SIL-CN están dotados de un núcleo interior que aumenta la atenuación del silenciador.
- Temperatura máxima de trabajo: 150°C.
- Puede soportar presiones de hasta 1000 Pa.

| APLICACIONES

- Para atenuación del nivel sonoro del ventilador.
- Para acoplar a ventiladores y tuberías circulares.

| Code | Model | Ø (mm) | Length | W. Kg | R.R.P € |
|-----------|-----------------|--------|--------|-------|----------|
| Código | Modelo | Ø (mm) | Largo | P. Kg | P.V.P € |
| 960025025 | SIL-C 250/250 | 250 | 250 | 7 | 157,10 |
| 960315315 | SIL-C 315/315 | 315 | 315 | 12 | 258,70 |
| 960355355 | SIL-C 355/355 | 355 | 355 | 15 | 292,20 |
| 960040040 | SIL-C 400/400 | 400 | 400 | 16 | 363,50 |
| 960045045 | SIL-C 450/450 | 450 | 450 | 20 | 435,00 |
| 960050050 | SIL-C 500/500 | 500 | 500 | 23 | 505,90 |
| 960056056 | SIL-C 560/560 | 560 | 560 | 26 | 577,50 |
| 960063063 | SIL-C 630/630 | 630 | 630 | 32 | 680,10 |
| 960071071 | SIL-C 710/710 | 710 | 710 | 42 | 787,60 |
| 960080080 | SIL-C 800/800 | 800 | 800 | 50 | 926,80 |
| 960090090 | SIL-C 900/900 | 900 | 900 | 80 | 1.069,20 |
| 961001000 | SIL-C 1000/1000 | 1000 | 1000 | 115 | 1.208,20 |
| 96112112 | SIL-C 1120/1120 | 1120 | 1120 | 134 | 1.350,80 |
| 96125125 | SIL-C 1250/1250 | 1250 | 1250 | 159 | 1.564,60 |
| 96140140 | SIL-C 1400/1400 | 1400 | 1400 | 218 | 1.774,50 |
| 960025375 | SIL-C 250/375 | 250 | 375 | 10 | 158,80 |
| 960315472 | SIL-C 315/472 | 315 | 472 | 17 | 294,80 |
| 960355532 | SIL-C 355/532 | 355 | 532 | 17 | 338,70 |
| 960040060 | SIL-C 400/600 | 400 | 600 | 23 | 431,40 |
| 960045675 | SIL-C 450/ 675 | 450 | 675 | 26 | 520,70 |
| 960050075 | SIL-C 500/750 | 500 | 750 | 31 | 613,00 |
| 960056084 | SIL-C 560/840 | 560 | 840 | 36 | 702,20 |
| 960063945 | SIL-C 630/945 | 630 | 945 | 46 | 835,20 |
| 960071065 | SIL-C 710/1065 | 710 | 1065 | 58 | 972,70 |
| 960080120 | SIL-C 800/1200 | 800 | 1200 | 70 | 1.154,50 |
| 960090135 | SIL-C 900/1350 | 900 | 1350 | 101 | 1.333,00 |
| 960100150 | SIL-C 1000/1500 | 1000 | 1500 | 137 | 1.514,80 |
| 960112168 | SIL-C 1120/1680 | 1120 | 1680 | 160 | 1.696,20 |
| 960125187 | SIL-C 1250/1875 | 1250 | 1875 | 191 | 1.966,90 |
| 960140210 | SIL-C 1400/2100 | 1400 | 2100 | 270 | 2.235,10 |
| 960025050 | SIL-C 250/500 | 250 | 500 | 13 | 160,30 |
| 960315063 | SIL-C 315/ 630 | 315 | 630 | 22 | 326,30 |
| 960355071 | SIL-C 355/710 | 355 | 710 | 24 | 381,70 |
| 960040080 | SIL-C 400/800 | 400 | 800 | 29 | 491,80 |
| 960045090 | SIL-C 450/900 | 450 | 900 | 34 | 602,10 |
| 960050100 | SIL-C 500/1000 | 500 | 1000 | 40 | 712,80 |
| 960056112 | SIL-C 560/1120 | 560 | 1120 | 47 | 823,20 |
| 960063126 | SIL-C 630/1260 | 630 | 1260 | 60 | 988,10 |
| 960071142 | SIL-C 710/1420 | 710 | 1420 | 75 | 1.154,50 |
| 960080160 | SIL-C 800/1600 | 800 | 1600 | 90 | 1.375,50 |
| 960090180 | SIL-C 900/1800 | 900 | 1800 | 122 | 1.596,40 |
| 960100200 | SIL-C 1000/2000 | 1000 | 2000 | 160 | 1.817,50 |
| 960112224 | SIL-C 1120/2240 | 1120 | 2240 | 186 | 2.038,20 |
| 960125250 | SIL-C 1250/2500 | 1250 | 2500 | 223 | 2.369,70 |
| 960140280 | SIL-C 1400/2800 | 1400 | 2800 | 322 | 2.701,20 |

| Code | Model | Ø (mm) | Length | W. Kg | R.R.P € |
|-----------|------------------|--------|--------|-------|----------|
| Código | Modelo | Ø (mm) | Largo | P. Kg | P.V.P € |
| 961025025 | SIL-CN 250/250 | 250 | 250 | 10 | 260,20 |
| 961315315 | SIL-CN 315/315 | 315 | 315 | 15 | 420,20 |
| 961355355 | SIL-CN 355/355 | 355 | 355 | 17 | 474,00 |
| 961040040 | SIL-CN 400/400 | 400 | 400 | 20 | 580,70 |
| 961045045 | SIL-CN 450/450 | 450 | 450 | 24 | 687,90 |
| 961050050 | SIL-CN 500/500 | 500 | 500 | 29 | 798,10 |
| 961056056 | SIL-CN 560/560 | 560 | 560 | 33 | 905,10 |
| 961063063 | SIL-CN 630/630 | 630 | 630 | 44 | 1.064,80 |
| 961071071 | SIL-CN 710/710 | 710 | 710 | 57 | 1.229,50 |
| 961080080 | SIL-CN 800/800 | 800 | 800 | 66 | 1.446,40 |
| 961090090 | SIL-CN 900/900 | 900 | 900 | 107 | 1.691,00 |
| 961100100 | SIL-CN 1000/1000 | 1000 | 1000 | 149 | 1.878,10 |
| 961112112 | SIL-CN 1120/1120 | 1120 | 1120 | 174 | 2.095,00 |
| 961125125 | SIL-CN 1250/1250 | 1250 | 1250 | 206 | 2.415,80 |
| 961140140 | SIL-CN 1400/1400 | 1400 | 1400 | 283 | 2.743,90 |
| 961025375 | SIL-CN 250/375 | 250 | 375 | 13 | 263,70 |
| 961315472 | SIL-CN 315/472 | 315 | 472 | 21 | 456,20 |
| 961355532 | SIL-CN 355/532 | 355 | 532 | 23 | 531,10 |
| 961040060 | SIL-CN 400/600 | 400 | 600 | 27 | 659,60 |
| 961045675 | SIL-CN 450/ 675 | 450 | 675 | 31 | 791,10 |
| 961050075 | SIL-CN 500/750 | 500 | 750 | 39 | 930,00 |
| 961056084 | SIL-CN 560/840 | 560 | 840 | 46 | 1.119,70 |
| 961063945 | SIL-CN 630/945 | 630 | 945 | 64 | 1.258,70 |
| 961071065 | SIL-CN 710/1065 | 710 | 1065 | 78 | 1.461,00 |
| 961080120 | SIL-CN 800/1200 | 800 | 1200 | 93 | 1.728,40 |
| 961090135 | SIL-CN 900/1350 | 900 | 1350 | 135 | 1.991,80 |
| 961100150 | SIL-CN 1000/1500 | 1000 | 1500 | 178 | 2.259,10 |
| 961112168 | SIL-CN 1120/1680 | 1120 | 1680 | 208 | 2.526,40 |
| 961125187 | SIL-CN 1250/1875 | 1250 | 1875 | 248 | 2.922,00 |
| 961140210 | SIL-CN 1400/2100 | 1400 | 2100 | 351 | 3.328,20 |
| 961025050 | SIL-CN 250/500 | 250 | 500 | 17 | 267,30 |
| 961315063 | SIL-CN 315/ 630 | 315 | 630 | 27 | 502,30 |
| 961355071 | SIL-CN 355/710 | 355 | 710 | 29 | 580,70 |
| 961040080 | SIL-CN 400/800 | 400 | 800 | 35 | 738,00 |
| 961045090 | SIL-CN 450/900 | 450 | 900 | 41 | 894,10 |
| 961050100 | SIL-CN 500/1000 | 500 | 1000 | 50 | 1.054,80 |
| 961056112 | SIL-CN 560/1120 | 560 | 1120 | 60 | 1.211,70 |
| 961063126 | SIL-CN 630/1260 | 630 | 1260 | 84 | 1.455,40 |
| 961071142 | SIL-CN 710/1420 | 710 | 1420 | 101 | 1.689,00 |
| 961080160 | SIL-CN 800/1600 | 800 | 1600 | 120 | 2.006,10 |
| 961090180 | SIL-CN 900/1800 | 900 | 1800 | 163 | 2.323,40 |
| 961100200 | SIL-CN 1000/2000 | 1000 | 2000 | 208 | 2.636,90 |
| 961112224 | SIL-CN 1120/2240 | 1120 | 2240 | 226 | 2.950,40 |
| 961125250 | SIL-CN 1250/2500 | 1250 | 2500 | 289 | 3.427,90 |
| 961140280 | SIL-CN 1400/2800 | 1400 | 2800 | 418 | 3.905,20 |

Other size: consult us | Otras medidas a consultar



Electrical accessories

Accesorios eléctricos



KIT-PE

Staircase overpressure kit with display

Kit de sobrepresión de escaleras con cuadro de control



MANUFACTURING FEATURES

- Automatic control of differential pressure and maintain it at 50Pa in a single stage according to the UNE-EN 12101-6 standard.
- It consists of a control panel (KIT-PE) and an air supply unit (any fan for air supply) that will provide the stairs or the escape route with enough pressure.
- It is available for three-phase and single-phase equipment.
- The KIT-PE has everything necessary to operate autonomously, so the work of the installer will be much easier and it is only necessary connecting the kit to the fan and the fire detection control panel.

- KIT-PE is composed of the following elements:
- Frequency inverter programmed at 50 Pa
- High precision DPS differential pressure probe with display
- Magneto-thermal protector
- Line and error LED
- Test pushbutton
- Operation mode selector

UNDER REQUEST

- Staircase overpressure kit with output current up to 40,8 A.

The selection of the overpressure kits must be made based on the maximum absorbed intensity of the fan to be regulated.

CARACTERÍSTICAS CONSTRUCTIVAS

- Kit de presurización de escaleras para controlar automáticamente la presión diferencial y mantenerla a 50Pa en una sola etapa acorde a la norma UNE-EN 12101-6.
- Formado por un cuadro de control (KIT-PE) y una unidad de impulsión (cualquier ventilador para aportación de aire) que dotará las escaleras o la vía de escape de la presión suficiente.
- Disponible para equipos trifásicos y monofásicos.
- El KIT-PE tiene todo lo necesario para funcionar de forma autónoma, por lo que el trabajo del instalador será mucho más sencillo y sólo tendrá que conectar el kit al ventilador y a la central de detección de incendios.

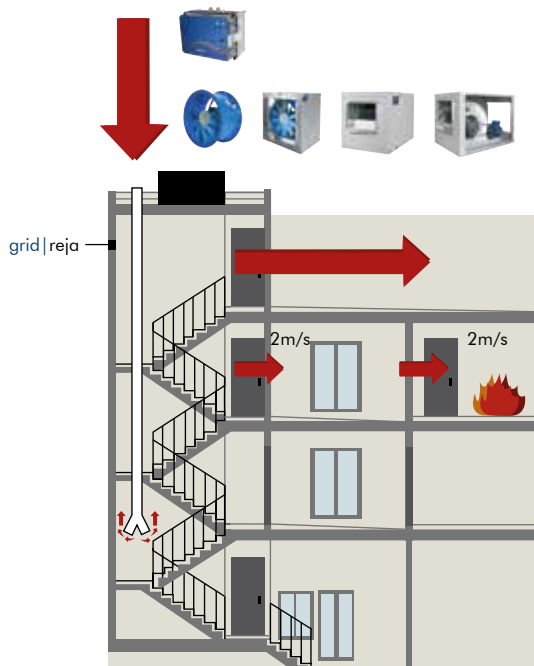
- KIT-PE está compuesto por los siguientes elementos:
- Variador de frecuencia programado a 50 Pa.
- Sonda de presión diferencial DPS de alta precisión con display.
- Protector magnetotérmico.
- Led de línea y error.
- Pulsador de test.
- Selector de modo de funcionamiento.

BAJO DEMANDA

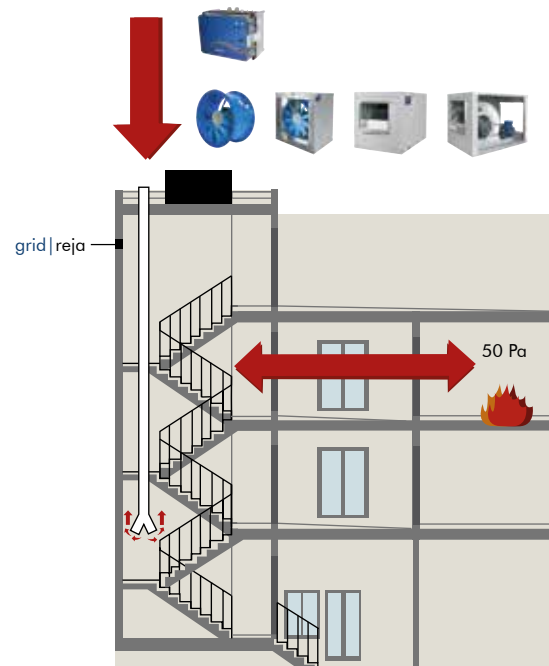
- Kits de sobrepresión con corriente de salida hasta 40,8 A.

La selección de los Kits de sobrepresión deben hacerse en base a la intensidad máxima absorbida del ventilador que se quiere regular.

| Code | Model | Output current | Input voltage | Output voltage | Power kW | R.R.P € |
|-------------|-----------------|------------------|-----------------|----------------|-------------|----------|
| Código | Modelo | Corriente salida | Voltaje entrada | Voltaje salida | Potencia kW | P.V.P€ |
| KPEI01 V2 | KIT PE I 2,5A | 2,5A | 230Vac II | 230Vac III | 0,4 | 1.145,40 |
| KPEI03 V2 | KIT PE I 4,2A | 4,2A | 230Vac II | 230Vac III | 0,75 | 1.156,60 |
| KPEI04 V2 | KIT PE I 7A | 7A | 230Vac II | 230Vac III | 1,5 | 1.183,10 |
| KPEI05 V2 | KIT PE I 10A | 10A | 230Vac II | 230Vac III | 2,2 | 1.319,60 |
| KPEIII01 V2 | KIT PE III 2,2A | 2,2A | 400Vac III | 400Vac III | 0,75 | 1.270,70 |
| KPEIII02 V2 | KIT PE III 3,6A | 3,6A | 400Vac III | 400Vac III | 1,1 | 1.307,30 |
| KPEIII03 V2 | KIT PE III 5A | 5A | 400Vac III | 400Vac III | 2,2 | 1.589,20 |
| KPEIII04 V2 | KIT PE III 8A | 8A | 400Vac III | 400Vac III | 4 | 1.887,80 |
| KPEIII05 V2 | KIT PE III 12A | 12A | 400Vac III | 400Vac III | 5,5 | 2.021,90 |



Air speed criterion.
Criterio de velocidad del aire.



Pressure difference criterion (with all doors closed).
Criterio de diferencia de presión (con todas las puertas cerradas).

CO-MASTER

Carbon monoxide control panel Central de monóxido



CO-MASTER Z1 CO-MASTER Z2 CO-MASTER Z3



CO-SENS



CO-SENS COMPACT



CO-CARD EXPAND



CO-CARD

- The CO-MASTER carbon monoxide detection system has been designed for use in car parks where CO can accumulate. This system is certified according to the UNE 23300:1984 regulation, which fulfils the requirements of Spanish Royal Decree 2367/1985 and the Spanish Technical Building Code [Código Técnico de Edificación].
- The range of CO-MASTER carbon monoxide control panels is made up of 3 models; 1, 2 and 3 zones are available to cover all the requirements of small and large installations.
- Each module includes a display showing the CO concentration of the zones. Each of them can control the air renewal group manually or automatically. The automatic control lets you work in an advanced mode in which the overall system's power consumption is reduced. In order to obtain this reduction, the module performs algorithms to minimize the air renewal output activations by taking the individual measurement of each detector in the zone.
- Each zone module lets you connect up to 32 CO-SENS or CO-SENS COMPACT carbon monoxide detectors. The connection to the module is done through 2 wires, the detectors may be distributed along 2,000 meters in length and each detector covers 200 m²; this value is defined as the maximum surface in current legislation.
- The CO-MASTER system can control a speed regulator through the optional CO-CARD. The speed regulator control is focused on minimizing the power consumption of the overall system, and also reduces the noise level of the air renewal group.
- This system is also equipped with SCADA software which, together with the optional CO-CARD ETHERNET, lets you control the system remotely.

MANUFACTURING FEATURES

- UNE 23300:1984 approved
- LOM 08MOGA3532 Certificate
- Modular and expandable system
- Up to 19,000 m² protected area
- 1, 2 and 3 zones per panel
- Concentration indication per zone
- 2 extraction relay outputs per zone
- 1 alarm relay output per zone
- Up to 32 detectors per zone
- Two-wire connection without polarity
- Working mode for low power consumption
- Control option per speed regulator
- System's remote control option
- Multi-language keyboard

APPLICATIONS

- Car parks or other places where concentrations of CO can accumulate.

* It is necessary to buy a CO-CARD so that the control panel can govern the fans.

- El sistema de detección de Monóxido de Carbono CO-MASTER ha sido diseñado para su aplicación en aparcamientos de vehículos donde puedan acumularse concentraciones de CO. Este sistema está certificado según la norma UNE 23300:1984 cumpliendo con los requisitos del Real Decreto 2367/1985 y con el Código Técnico de Edificación. La gama de centrales CO-MASTER la componen 3 modelos, ofreciendo la versión de 1, 2 y 3 zonas, cubriendo todas las necesidades desde la pequeña hasta la gran instalación.
- Cada módulo de zona dispone de un display donde se muestra la concentración de monóxido de la zona, en cada uno de ellos se permite controlar de forma manual o automática el grupo de renovación de aire, dentro del control automático, permite el modo de funcionamiento de "Automático Avanzado", con este, se consigue una reducción del consumo energético del sistema, para ello se aplican algoritmos de decisión de la activación de las salidas de renovación del aire, teniendo en consideración la medida independiente de cada detector instalado en el módulo de zona.
- Cada módulo de zona permite la conexión de hasta 32 detectores CO-SENS o CO-SENS COMPACT. La conexión de los detectores al módulo es a través de 2 hilos, los detectores pueden ser distribuidos a lo largo de 2.000 metros de longitud y cada detector cubre los 200 m² de superficie que define como máximo la normativa actual.
- El Sistema CO-MASTER a través de la tarjeta opcional CO-CARD nos permite controlar un regulador de velocidad, con el fin de reducir el consumo energético y el nivel acústico de los motores que forman el grupo de renovación del aire de la instalación.
- Este sistema también dispone de un software SCADA que junto con la tarjeta opcional CO-CARD ETHERNET permite tener el control del sistema de forma remota.

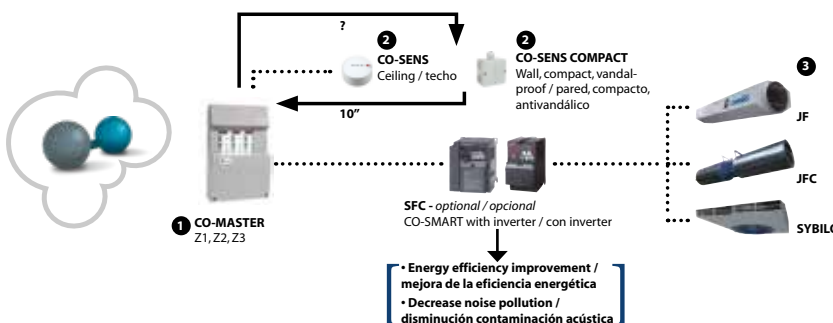
CARACTERÍSTICAS CONSTRUCTIVAS

- Sistema Certificado UNE 23300:1984
- Certificación LOM 08MOGA3532
- Central modular y ampliable
- Hasta 19.000 m² de gestión
- Versiones de 1, 2, y 3 módulos de zonas
- Indicación de la concentración por zona
- 2 salidas de relés de extracción por zona
- 1 salida de relé de alarma por zona
- Hasta 32 detectores por zona
- Conexión de los detectores a 2 hilos
- Modo de funcionamiento para bajo consumo
- Opción de Control por Variador de Velocidad
- Opción de Control remoto del sistema
- Teclado Multilingüe

APLICACIONES

- Aparcamientos u otros lugares donde pueda acumularse concentraciones de CO.

* Es necesario adquirir CO-CARD para que la central pueda gobernar los ventiladores



| Code | Model | R.R.P € |
|-------------|-----------------|---------|
| Código | Modelo | P.V.€ |
| CO-MASTERZ1 | CO-MASTER Z1 | 558,10 |
| CO-MASTERZ2 | CO-MASTER Z2 | 737,50 |
| CO-MASTERZ3 | CO-MASTER Z3 | 976,60 |
| CO-CARDEXP | CO-CARD EXPAND | 213,30 |
| CO-SENS | CO-SENS | 149,50 |
| CO-SENSC | CO-SENS COMPACT | 119,60 |
| CO-CARD | CO-CARD | 448,40 |

REPROFIRE

Relay box for power control of a fan in smoke extraction exhaust
Caja de relés para el control de potencia de un ventilador en desenfumaje en extracción de humos


The REPROFIRE relay box (with NF certificate) is a safety actuated device (DAS). It allows the power control of a smoke extraction fan under optimized safety conditions. It is mandatory to use NF stamped with DAS that meets the criteria of standards NF S 61937-1 and NF S 61-937-9, for the extraction of smoke from ERP and IGH. In addition to fan power control, the relay box centralizes many safety and reporting functions. The relay box communicates with the CMSI and receives electrical safety commands from the CMSI.

MANUFACTURING FEATURES

- IP55 relay box (IP54 with proximity switch)
- Three-phase 400 VAC 1-speed or 2-speed relay box with dahlander winding
- Motor isolation controller / Phase controller
- Possibility of controlling comfort mode with any automatic remote control with dry contact (clock, CO / NO detection unit (CO-MASTER), etc.)
- Certified according to the NF certification; reference system relay boxes for smoke extraction fan NF 278.
- Opaque all-in-one box (comfort, smoke extraction) or only smoke extraction.
- Digital display and control of smoke extraction in the front.
- Control circuit management by electronic card.
- Compatible with all existing CMSI and fans of Casals.

APPLICATIONS

- The electrical box allows the power control of a smoke extraction fan and has one or more remote control inputs.
- A relay box can only control one smoke extraction fan.
- The box must be installed outside the safety-controlled zone (s) controlled by the fan.

UNDER REQUEST

- Possibility of pre-wiring the motor supply in Fire Resistant Cable.
- Fan assembly and wiring on request.
- Soft starter with 6 thyristors
- Powers up to 150A. Powers of 200 and 250A with soft starter.
- With integrated pressure switch.
- With integrated proximity switch.
- With integrated thermal protection for comfort mode.
- Reprofire for 2-speed fans with separate winding (4/6 and 6/8 pole motors).
- Reprofire at 60Hz (110 or 230V).

La caja de relés REPROFIRE (con certificado NF) es un dispositivo de seguridad accionada (DAS). Permite el control de potencia de un ventilador de extracción de humo en condiciones de seguridad optimizadas. Es obligatorio utilizar NF estampado con DAS que cumple con los criterios de las normas NF S 61937-1 y NF S 61-937-9, para la extracción de humo de ERP e IGH. Además del control de potencia del ventilador, la caja de relés centraliza muchas funciones de seguridad e informes. La caja de relés se comunica con el CMSI y recibe de este último los comandos de seguridad eléctrica.

CARACTERÍSTICAS CONSTRUCTIVAS

- Caja de relés IP55 (IP54 con interruptor de proximidad)
- Caja de relés trifásico 400 VAC de 1 velocidad o 2 velocidades con bobinado dahlander
- Controlador de aislamiento del motor / Controlador de fase
- Posibilidad de controlar el modo confort con cualquier control remoto automático con contacto seco (reloj, unidad de detección de CO / NO (CO-MASTER), etc.)
- Certificado según el sistema de referencia de certificación NF; cajas de relés para ventilador de extracción de humo NF 278.
- Caja opaca todo en uno (confort, desenfumaje) o solo desenfumaje (extracción de humo).
- Pantalla digital y control de desenfumaje en el frente.
- Gestión del circuito de control mediante tarjeta electrónica.
- Compatible con todos los CMSI y ventiladores existentes de Casals.

APLICACIONES

- La caja eléctrica permite el control de potencia de un ventilador de extracción de humo y tiene una o más entradas de control remoto.
- Una caja de relés solo puede controlar un ventilador de extracción de humo.
- La caja debe instalarse fuera de las zonas de seguridad controlada por el ventilador.

BAJO DEMANDA

- Posibilidad de precablear el suministro del motor en Cable Resistente al fuego.
- Montaje y cableado en ventilador bajo pedido.
- Arrancador suave de 6 tiristores
- Potencias hasta 150A. Potencias de 200 y 250A con arrancador suave.
- Con presostato integrado.
- Con interruptor de proximidad integrado.
- Con protección térmica integrada para el modo confort.
- Reprofire para ventiladores de 2 velocidades con bobinado por separado (Motores 4/6 y 6/8 polos).
- Reprofire at 60Hz (110 or 230V).

THREE PHASE RANGE 1 SPEED 400V - SMOKE EXHAUST | SERIE TRIFÁSICA 1 VELOCIDAD 400V - DESENFUMAJE

| Code | Model | R.R.P € |
|--------|---------------------------|----------|
| Código | Modelo | P.V.€ |
| REPD6 | REPROFIRE III 6A Desenf. | 1.211,70 |
| REPD10 | REPROFIRE III 10A Desenf. | 1.310,10 |
| REPD15 | REPROFIRE III 15A Desenf. | 1.421,60 |
| REPD20 | REPROFIRE III 20A Desenf. | 1.531,90 |
| REPD30 | REPROFIRE III 30A Desenf. | 1.655,30 |
| REPD40 | REPROFIRE III 40A Desenf. | 2.098,30 |
| REPD56 | REPROFIRE III 56A Desenf. | 2.397,30 |
| REPD70 | REPROFIRE III 70A Desenf. | 2.636,50 |
| REPD95 | REPROFIRE III 95A Desenf. | 2.869,20 |

THREE PHASE RANGE 1 SPEED 400V - SMOKE EXHAUST + COMFORT NON-VARIABLE SPEED | SERIE TRIFÁSICA 1 VELOCIDAD 400V - DESENFUMAJE + CONFORT VELOCIDAD NO VARIABLE

| Code | Model | R.R.P € |
|---------|---|----------|
| Código | Modelo | P.V.€ |
| REPDC6 | REPROFIRE III 6A Desenf.+Confort No Var. | 1.305,90 |
| REPDC10 | REPROFIRE III 10A Desenf.+Confort No Var. | 1.404,30 |
| REPDC15 | REPROFIRE III 15A Desenf.+Confort No Var. | 1.515,80 |
| REPDC20 | REPROFIRE III 20A Desenf.+Confort No Var. | 1.626,10 |
| REPDC30 | REPROFIRE III 30A Desenf.+Confort No Var. | 1.749,50 |
| REPDC40 | REPROFIRE III 40A Desenf.+Confort No Var. | 2.192,50 |
| REPDC56 | REPROFIRE III 56A Desenf.+Confort No Var. | 2.491,50 |
| REPDC70 | REPROFIRE III 70A Desenf.+Confort No Var. | 2.730,70 |
| REPDC95 | REPROFIRE III 95A Desenf.+Confort No Var. | 2.963,40 |

THREE PHASE RANGE 2 SPEED 400V WITH DAHLANDER WINDING - SMOKE EXHAUST | SERIE TRIFÁSICA 2 VELOCIDAD 400V CON BOBINADO DAHLANDER - DESENFUMAJE

| Code | Model | R.R.P € |
|---------|---------------------------|----------|
| Código | Modelo | P.V.€ |
| REP2D6 | REPROFIRE III 6A Desenf. | 1.798,20 |
| REP2D10 | REPROFIRE III 10A Desenf. | 2.002,80 |
| REP2D15 | REPROFIRE III 15A Desenf. | 2.280,00 |
| REP2D20 | REPROFIRE III 20A Desenf. | 2.560,60 |
| REP2D30 | REPROFIRE III 30A Desenf. | 3.006,90 |
| REP2D40 | REPROFIRE III 40A Desenf. | 3.515,40 |
| REP2D56 | REPROFIRE III 56A Desenf. | 4.232,30 |
| REP2D70 | REPROFIRE III 70A Desenf. | 4.867,20 |
| REP2D95 | REPROFIRE III 95A Desenf. | 5.618,50 |

THREE PHASE RANGE 2 SPEED 400V WITH DAHLANDER WINDING - SMOKE EXHAUST + COMFORT NON-VARIABLE SPEED | SERIE TRIFÁSICA 2 VELOCIDAD 400V CON BOBINADO DAHLANDER - DESENFUMAJE + CONFORT VELOCIDAD NO VARIABLE

| Code | Model | R.R.P € |
|----------|---|----------|
| Código | Modelo | P.V.€ |
| REP2DC6 | REPROFIRE III 6A Desenf.+Confort No Var. | 2.035,50 |
| REP2DC10 | REPROFIRE III 10A Desenf.+Confort No Var. | 2.203,10 |
| REP2DC15 | REPROFIRE III 15A Desenf.+Confort No Var. | 2.667,60 |
| REP2DC20 | REPROFIRE III 20A Desenf.+Confort No Var. | 2.907,70 |
| REP2DC30 | REPROFIRE III 30A Desenf.+Confort No Var. | 3.226,50 |
| REP2DC40 | REPROFIRE III 40A Desenf.+Confort No Var. | 3.728,30 |
| REP2DC56 | REPROFIRE III 56A Desenf.+Confort No Var. | 4.528,60 |
| REP2DC70 | REPROFIRE III 70A Desenf.+Confort No Var. | 5.207,90 |
| REP2DC95 | REPROFIRE III 95A Desenf.+Confort No Var. | 5.966,10 |

THREE PHASE RANGE 1 SPEED 400V - SMOKE EXHAUST + COMFORT VARIABLE SPEED | SERIE TRIFÁSICA 1 VELOCIDAD 400V - DESENFUMAJE + CONFORT VELOCIDAD VARIABLE

| Code | Model | R.R.P € |
|----------|--|----------|
| Código | Modelo | P.V.€ |
| REPDCV6 | REPROFIRE III 6A Desenf.+Confort Veloc.Var. | 1.645,50 |
| REPDCV10 | REPROFIRE III 10A Desenf.+Confort Veloc.Var. | 1.750,40 |
| REPDCV15 | REPROFIRE III 15A Desenf.+Confort Veloc.Var. | 1.957,00 |
| REPDCV20 | REPROFIRE III 20A Desenf.+Confort Veloc.Var. | 2.201,60 |
| REPDCV30 | REPROFIRE III 30A Desenf.+Confort Veloc.Var. | 2.391,90 |
| REPDCV40 | REPROFIRE III 40A Desenf.+Confort Veloc.Var. | 2.745,20 |
| REPDCV56 | REPROFIRE III 56A Desenf.+Confort Veloc.Var. | 3.277,90 |
| REPDCV70 | REPROFIRE III 70A Desenf.+Confort Veloc.Var. | 3.859,60 |
| REPDCV95 | REPROFIRE III 95A Desenf.+Confort Veloc.Var. | 4.391,20 |

THREE PHASE RANGE 2 SPEED 400V WITH DAHLANDER WINDING - SMOKE EXHAUST + COMFORT VARIABLE SPEED | SERIE TRIFÁSICA 2 VELOCIDAD 400V CON BOBINADO DAHLANDER - DESENFUMAJE + CONFORT VELOCIDAD VARIABLE

| Code | Model | R.R.P € |
|-----------|---|----------|
| Código | Modelo | P.V.€ |
| REP2DCV6 | REPROFIRE III 6A Desenf. + Confort Veloc. Var. | 2.197,40 |
| REP2DCV10 | REPROFIRE III 10A Desenf. + Confort Veloc. Var. | 2.439,70 |
| REP2DCV15 | REPROFIRE III 15A Desenf. + Confort Veloc. Var. | 2.701,40 |
| REP2DCV20 | REPROFIRE III 20A Desenf. + Confort Veloc. Var. | 3.238,10 |
| REP2DCV30 | REPROFIRE III 30A Desenf. + Confort Veloc. Var. | 3.536,50 |
| REP2DCV40 | REPROFIRE III 40A Desenf. + Confort Veloc. Var. | 4.112,00 |
| REP2DCV56 | REPROFIRE III 56A Desenf. + Confort Veloc. Var. | 4.891,00 |
| REP2DCV70 | REPROFIRE III 70A Desenf. + Confort Veloc. Var. | 5.442,10 |
| REP2DCV95 | REPROFIRE III 95A Desenf. + Confort Veloc. Var. | 6.065,90 |

REGD-1

Manual single phase speed controller

Regulador de velocidad manual monofásico



MANUFACTURING FEATURES

Speed controller for single phase voltage (230 Vac - 50 Hz) controllable motors by varying the supplied voltage through angle phase control.

External enclosure in white-ivory plastic. Internal enclosure in polyamide. Maximum room temperature: 35°C.

CARACTERÍSTICAS CONSTRUCTIVAS

Regulador de velocidad para motores controlables de tensión monofásica (230 Vac a 50 Hz), variando la tensión de alimentación a través del control de ángulo de fase.

Carcasa externa de plástico blanco ivory. Carcasa interna de poliamida. Temperatura ambiente máxima: 35°C.

| Code | Model | Max. Current (A) | Voltage (V) | Weight Kg | R.R.P € |
|-----------|--------|------------------|-------------|-----------|---------|
| Código | Modelo | I máx. (A) | Tensión (V) | Peso Kg | P.V.P € |
| 300782600 | REGD-1 | 1 | 230 | 0,24 | 70,70 |

REG

Manual single phase speed controller

Regulador de velocidad manual monofásico



MANUFACTURING FEATURES

- Specially designed for sinus wave speed control. Only available for single phase fans.
- Terminal wiring.
- Minimum speed adjustable and potentiometer speed control.
- Sealed box IP-54 box. Light switch pilot.
- EMC filter according to the En55014 Standard.

CARACTERÍSTICAS CONSTRUCTIVAS

- Especialmente diseñado para la regulación de velocidad por control de onda senoidal, sólo para ventiladores monofásicos.
- Conexión por regletas.
- Ajuste de la velocidad mínima y control por potenciómetro.
- Caja estanca IP-54. Interruptor con piloto luminoso.
- Filtro EMC según En55014.

| Code | Model | Max. Current (A) | Voltage (V) | Weight Kg | R.R.P € |
|-----------|----------|------------------|-------------|-----------|---------|
| Código | Modelo | I máx. (A) | Tensión (V) | Peso Kg | P.V.P € |
| 960710015 | REG 1.5A | 1,5 | 230 | 0,35 | 93,00 |
| 960710030 | REG 3A | 3 | 230 | 0,42 | 100,00 |
| 960710050 | REG 5A | 5 | 230 | 0,57 | 119,30 |
| 960710100 | REG 10A | 10 | 230 | 0,76 | 209,30 |

REG VMC

Digital electronic controller diferencial pressure/time

Controlador electrónico digital diferencial presión/tiempo



MANUFACTURING FEATURES

Fully digital automatic speed controller by varying the supplied voltage. It controls the rotational speed of single phase (230 VAC/50Hz) voltage controllable motors according to differential pressure. It provides a great number of user adjustable options. All data is visualized on a liquid crystal display (LCD). Differential pressure transmitter not included. Analog input: 0-10 V/0-20 mA. Plastic casing.

CARACTERÍSTICAS CONSTRUCTIVAS

Regulador de velocidad por voltaje automático y totalmente digital. Controla la velocidad rotacional de motores monofásicos (230 VAC/50Hz) según la presión diferencial. Proporciona un gran número de opciones ajustables por el usuario. Todos los datos se visualizan en una pantalla de cristal líquido (LCD). Sonda de presión diferencial no incluida. Entrada analógica: 0-10 V / 0-20 mA. Carcasa de plástico.

| Code | Model | Max. Current (A) | Voltage (V) | Weight Kg | R.R.P € |
|-----------|-------------|------------------|-------------|-----------|---------|
| Código | Modelo | I máx. (A) | Tensión (V) | Peso Kg | P.V.P € |
| 300953903 | REG VMC 3A | 3 | 230 | 1,72 | 389,20 |
| 300953906 | REG VMC 6A | 6 | 230 | 1,85 | 493,20 |
| 300953910 | REG VMC 10A | 10 | 230 | 1,86 | 569,40 |

REGC EEC
Air flow controller for fan with EEC motor
Regulador de caudal para ventilador con motor EEC

MANUFACTURING FEATURES

- Air flow remote controller for EEC motors.
- Adjusts the flow rate in a range from 0 to 100% at a maximum distance of 10m.
- It can be recessed or mounted on a wall. Can be installed outdoors.
- Working temperature from 0 to 40°C.

CARACTERÍSTICAS CONSTRUCTIVAS

- Mando a distancia regulador de caudal para motores EEC.
- Permite ajustar el caudal en un rango de 0 a 100%, a una distancia de 10m como máximo.
- Montaje encastrado o en pared. Puede instalarse en el exterior.
- Temperatura de trabajo de 0 a 40°C.

| Code | Model | Max. Current (A) | Weight Kg | R.R.P € |
|----------|--------|------------------|-----------|---------|
| Código | Modelo | I máx. (A) | Peso Kg | P.V.P € |
| FX263300 | REGC | 1 | 0,145 | 69,70 |

REG TWIN
Control auto change over panel for twin fans
Conmutador automático de ventiladores "twin" para trabajar alternativamente

MANUFACTURING FEATURES

- Electronic system designed and developed for automatic control of Twin-fans, like TWIN BOX BD and TWIN BOX BV.
- The REG TWIN control can be fitted within the Twin-fan housing or at any desired location of operation within the same building.
- The MODBUS communication protocol is integrated in the REG TWIN control.
- When REG TWIN is set to operate in AUTO mode, each fan will be running for a preset period of time interval (12 hours). In case of failure of any of the fan, REG TWIN automatically starts the Stand-By fan, simultaneously gives signal to the user about the faulty fan.
- An other function of REG TWIN is BOTH FANS RUNNING mode, to run both fans consequently to supply twice the normal air volume.
- Only suitable for single phase and electric motors (EEC).

OPERATING FEATURES

- Power supply: from 80 to 250 V. a.c. or d.c.
- Relay contacts current: 3 A 250 V. a.c. (for external intensities and three-phase motors an external contactor is necessary).
- Working temperature: from 0°C to 50°C.
- Storage temperature: from -25°C to 85°C.
- Relative humidity: max. 95% without condensation
- Dimensions: 104 x 93 x 25 mm.

CONNECTION OPTIONS

- Inside the unit (not connected).
- Attached outside the unit (the IP must be taken into account).
- Remote.

APPLICATIONS

- This kind of control can be used to commutate a couple of motors to work in auto change over mode or simultaneously.
- In case of TWIN BOX BD or TWIN BOX BV, a common application is in high temperatures environments (in the desert for example) where fans run in change over mode to avoid fan overheating problems.

CARACTERÍSTICAS CONSTRUCTIVAS

- Sistema electrónico diseñado y desarrollado para el control automático de ventiladores dobles, como TWIN BOX BD y TWIN BOX BV.
- El control REG TWIN se puede instalar dentro de la carcasa del ventilador twin o en cualquier ubicación dentro del mismo edificio. El protocolo de comunicación MODBUS está integrado en el control REG TWIN.
- Cuando REG TWIN está configurado para funcionar en modo AUTO, cada ventilador funcionará durante un período de tiempo predeterminado (12 horas).
- Dispone de programación horaria. En caso de fallo de cualquiera de los ventiladores, REG TWIN deja automáticamente el ventilador en Stand-By y, al mismo tiempo, envía una señal al usuario sobre el fallo del ventilador.
- Otra función del REG TWIN es el modo BOTH FANS RUNNING (AMBOS VENTILADORES FUNCIONANDO), para hacer funcionar ambos ventiladores en consecuencia, para suministrar el doble del volumen de aire normal. Sólo apto para motores monofásicos y eléctricos (EEC).

CARACTERÍSTICAS DE FUNCIONAMIENTO

- Alimentación: de 80 a 250 V. c.a. o c.c.
- Intensidad por contacto: 3 A a 250 V. c.a. (para intensidades superiores y motores trifásicos es necesario un contactor externo).
- Temperatura funcionamiento: de 0°C a 50°C.
- Temperatura almacenamiento: de -25°C a 85°C.
- Humedad relativa: máx. 95% sin condensación.
- Dimensiones: 104 x 93 x 25 mm.

OPCIONES DE CONEXIÓN

- Dentro de la unidad (no conectado de fábrica).
- Anexo a la unidad en la parte exterior (hay que tener en cuenta el IP).
- Deportado.

APLICACIONES

- Este tipo de control se puede usar para conmutar dos motores para que trabajen de forma alternativa o simultáneamente de forma automática.
- En el caso de los TWIN BOX BD o TWIN BOX BV, una aplicación habitual es en ambientes de alta temperatura (como en los desiertos) donde se utilizan estos ventiladores de forma alternativa para evitar problemas de sobrecalentamiento.

| Code | Model | Max. Current (A) | Voltage (V) | R.R.P € |
|-----------|----------|------------------|-------------|---------|
| Código | Modelo | I máx. (A) | Tensión (V) | P.V.P € |
| 301023313 | REG TWIN | 3 | 100-250 | 172,00 |

SFC

**Frequency drive speed controller
Variador de velocidad frecuencial**



MANUFACTURING FEATURES

- Specially designed for speed frequency control in ventilation applications.
- Ultra compact, simple operation and wide range of functions.

*Dial panel incorporated. Optional EMC filter.
Certifications: CE/UL/CSA/EN/GOST/CCC.
Protection index IP20.

The selection of SFC frequency drive speed controller must be made based on the maximum intensity absorbed by the fan to be regulated. The powers (kW) and the intensity for constant load refer to the normal duty (150% overload for 60 seconds). The intensity for quadratic load admits an overload of 110% during 60s.

CARACTERÍSTICAS CONSTRUCTIVAS

- Diseñados para la regulación de velocidad por frecuencia en aplicaciones de ventilación.
- Ultracompacto, manejo muy sencillo y con amplio volumen de funciones.

*Panel con dial en los modelos con cargas lineales a partir de 40A y con filtros EMC incorporados. Homologaciones: CE/UL/CSA/EN/GOST/CCC.
Grado de protección IP20

La selección de los variadores de frecuencia SFC debe hacerse en base a la intensidad máxima absorbida del ventilador que se quiere regular. Las potencias (kW) y la intensidad para carga constante se refieren al normal duty (sobrecarga 150% durante 60 segundos). La intensidad para carga cuadrática admite una sobrecarga de 110% durante 60s.

SINGLE PHASE RANGE | SERIE MONOFÁSICA

| Code | Model | Rat. current const. torque (A) | Rat. current quadratic torque (A) | Power motor kW | Single phase inlet (V) | Outlet | Weight Kg | R.R.P € |
|------------|----------------|--------------------------------|------------------------------------|----------------|-----------------------------|-----------------|-----------|---------|
| Código | Modelo | Int. máx. Par constante (A) | Int. máx. Par carga cuadrático (A) | Pot. motor kW | Entr. Monof. (V) | Salid Trif. (V) | Peso Kg | P.V.P € |
| SFC230I003 | SFC 230 I 2,5A | 2,50 | - | 0,4 | 220/240V Monofásica 50/60Hz | 230V | 0,5 | 216,00 |
| SFC230I004 | SFC 230 I 4,2A | 4,20 | - | 0,75 | 220/240V Monofásica 50/60Hz | 230V | 0,9 | 230,70 |
| SFC230I007 | SFC 230 I 7A | 7,00 | - | 1,5 | 220/240V Monofásica 50/60Hz | 230V | 1,1 | 300,30 |
| SFC230I010 | SFC 230 I 10A | 10,00 | - | 2,2 | 220/240V Monofásica 50/60Hz | 230V | 1,5 | 406,50 |

THREE PHASE RANGE | SERIE TRIFÁSICA

| Code | Model | Rat. current const. torque (A) | Rat. current quadratic torque (A) | Power motor kW | Single phase inlet (V) | Three phase Outlet (V) | Weight Kg | R.R.P € |
|--------------|-------------------|--------------------------------|------------------------------------|----------------|---------------------------|------------------------|-----------|----------|
| Código | Modelo | Int. máx. Par constante (A) | Int. máx. Par carga cuadrático (A) | Pot. motor kW | Entr. Trif. (V) | Salid Trif. (V) | Peso Kg | P.V.P € |
| SFC400III1 | SFC 400 III 1,2A | 1,20 | - | 0,4 | 380/400 Trifásica 50/60Hz | 400V | 1,3 | 329,60 |
| SFC400III2 | SFC 400 III 2,2A | 2,20 | - | 0,75 | 380/400 Trifásica 50/60Hz | 400V | 1,3 | 336,90 |
| SFC400III4 | SFC 400 III 3,6A | 3,60 | - | 1,5 | 380/400 Trifásica 50/60Hz | 400V | 1,3 | 366,20 |
| SFC400III5 | SFC 400 III 5A | 5,00 | - | 2,2 | 380/400 Trifásica 50/60Hz | 400V | 1,4 | 421,10 |
| SFC400III8 | SFC 400 III 8A | 8,00 | - | 4 | 380/400 Trifásica 50/60Hz | 400V | 1,5 | 476,00 |
| SFC400III12 | SFC 400 III 12A | 12,00 | - | 5,5 | 380/400 Trifásica 50/60Hz | 400V | 1,5 | 659,10 |
| SFC400III16 | SFC 400 III 16A | 16,00 | - | 7,5 | 380/400 Trifásica 50/60Hz | 400V | 3,3 | 732,30 |
| SFC400III23 | SFC 400 III 23A | 23,00 | - | 11 | 380/400 Trifásica 50/60Hz | 400V | 3,3 | 1.175,30 |
| SFC400III30 | SFC 400 III 29,5A | 29,50 | - | 15 | 380/400 Trifásica 50/60Hz | 400V | 6 | 1.354,80 |
| SFC400III40 | SFC 400 III 40A | 40,00 | - | 18,5 | 380/400 Trifásica 50/60Hz | 400V | 6 | 1.904,00 |
| SFC400III47 | SFC 400 III 47A* | - | 47,00 | 22 | 380/400 Trifásica 50/60Hz | 400V | 6 | 3.425,00 |
| SFC400III62 | SFC 400 III 62A* | - | 62,00 | 30 | 380/400 Trifásica 50/60Hz | 400V | 13 | 3.912,30 |
| SFC400III77 | SFC 400 III 77A* | - | 77,00 | 37 | 380/400 Trifásica 50/60Hz | 400V | 23 | 4.245,10 |
| SFC400III93 | SFC 400 III 93A* | - | 93,00 | 45 | 380/400 Trifásica 50/60Hz | 400V | 35 | 5.011,20 |
| SFC400III116 | SFC 400 III 116A* | - | 116,00 | 55 | 380/400 Trifásica 50/60Hz | 400V | 41 | 5.517,60 |

* EMC FILTER included/ FILTRO EMC incluido

EMC FILTER | FILTRO EMC

- Cassette type filter that fits on the heat sink of an SFC.
- It offers the necessary level of protection to guarantee compliance with the regulations on electromagnetic compatibility (EMC), as regards conducted emissions from the mains supply.
- According to standard EN61800-3: 2004
- Limit high frequency noise.

1. Reduce interference
2. Protects sensitive equipment
3. Eliminate cross communication of the drive.

Applicable in our SFC drives.

- Filtro tipo cassette que encaja en el disipador de calor de un SFC.
- Ofrece el nivel necesario de protección para garantizar el cumplimiento de la normativa sobre compatibilidad electromagnética (EMC), en lo que respecta a emisiones conducidas de la alimentación de red.
- Según estándar EN61800-3:2004
- Limita el ruido de alta frecuencia.

1. Reduce la interferencia
 2. Protege equipos sensibles
 3. Elimina comunicación cruzada del drive.
- Applicable en nuestros variadores SFC.

| Code | Model | Application | R.R.P € |
|------------|--|-----------------------------|---------|
| Código | Modelo | Aplicación | P.V.P € |
| FFSFCI01 | Filtro EMC - Serie Monofásica de 2,5 a 4,2A. | SFC 230 I --> 2,5A y 4,2A | 42,10 |
| FFSFCI02 | Filtro EMC - Serie Monofásica de 7A. | SFC 230 I --> 7A | 67,70 |
| FFSFCI03 | Filtro EMC - Serie Monofásica de 10A. | SFC 230 I --> 10A | 95,20 |
| FFSFCIII01 | Filtro EMC - Serie Trifásica de 1,2 a 2,2A. | SFC 400 III --> 1,2A y 2,2A | 86,10 |
| FFSFCIII02 | Filtro EMC - Serie Trifásica de 3,6A. | SFC 400 III --> 3,6A | 93,70 |
| FFSFCIII03 | Filtro EMC - Serie Trifásica de 5 a 8A. | SFC 400 III --> 5 y 8A | 103,90 |
| FFSFCIII04 | Filtro EMC - Serie Trifásica de 12 a 16A. | SFC 400 III --> 12 y 16A | 115,40 |
| FFSFCIII05 | Filtro EMC - Serie Trifásica de 23 a 29,5A. | SFC 400 III --> 23 y 29,5A | 137,30 |
| FFSFCIII06 | Filtro EMC - Serie Trifásica de 40A. | SFC 400 III --> 40A | 237,50 |

INT

Safety switch

Interruptor de seguridad



| MANUFACTURING FEATURES

- Safety start-stop switches according to IEC 60947-1 and IEC 60947-3.
- IP65 and always equipped with an auxiliary contact.
- Useful for switching off the current before handling the fan.

| CARACTERÍSTICAS CONSTRUCTIVAS

- Interruptores de seguridad paro-marcha acordes a la Norma IEC 60947-1 y IEC 60947-3.
- IP65 y siempre equipados con un contacto auxiliar.
- Útiles para el corte de la corriente antes de la manipulación del ventilador.

| Code | Model | Max. thermal current Air (A) | Power 230 kW | Power 400 kW | Speeds | Weight Kg | R.R.P € |
|-----------|--------------|------------------------------|-----------------|-----------------|-------------|-----------|----------|
| Código | Modelo | I Térmica Máx. al Aire (A) | Potencia 230 kW | Potencia 400 kW | Velocidades | Peso Kg | P.V.P € |
| INT253PA | INT 25 3P A | 25,00 | 4,00 | 7,5 | 1 | 0,5 | 56,70 |
| INT323PA | INT 32 3P A | 32,00 | 5,50 | 11 | 1 | 0,6 | 157,50 |
| INT403PA | INT 40 3P A | 40,00 | 7,50 | 18,5 | 1 | 0,6 | 184,60 |
| INT633PA | INT 63 3P A | 63,00 | 15,00 | 22 | 1 | 1,1 | 250,50 |
| INT1003PA | INT 100 3P A | 100,00 | 18,50 | 30 | 1 | 5,8 | 633,80 |
| INT1253PA | INT 125 3P A | 125,00 | 22,00 | 37 | 1 | 6,3 | 694,30 |
| INT1603PA | INT 160 3P A | 160,00 | 30,00 | 52 | 1 | 6,3 | 1.022,30 |
| INT256PA | INT 25 6P A | 25,00 | 4,00 | 7,5 | 2 | 0,7 | 213,90 |
| INT326PA | INT 32 6P A | 32,00 | 5,50 | 11 | 2 | 0,7 | 226,30 |
| INT406PA | INT 40 6P A | 40,00 | 7,50 | 18,5 | 2 | 0,7 | 285,10 |
| INT636PA | INT 63 6P A | 63,00 | 15,00 | 22 | 2 | 1,3 | 354,20 |
| INT1006PA | INT 100 6P A | 100,00 | 18,50 | 30 | 2 | 6 | 891,90 |
| INT1256PA | INT 125 6P A | 125,00 | 22,00 | 37 | 2 | 6,5 | 993,30 |
| INT1606PA | INT 160 6P A | 160,00 | 30,00 | 52 | 2 | 6,5 | 1.182,90 |

INT 400

Safety switch for 400°C/2h

Interruptor de seguridad para 400°C/2h



| MANUFACTURING FEATURES

- Safety switch for local disconnection of 400°C/2h ventilation equipments according to UNE-EN 12101-3.

| CARACTERÍSTICAS CONSTRUCTIVAS

- Interruptor de seguridad para desconexión local de los equipos de ventilación 400°C/2h según normativa UNE-EN 12101-3.

| APPLICATIONS

- Suited for direct control of motor in AC 3 operation category.

| APLICACIONES

- Adecuado para el control directo del motor (categoría operación AC3).

| Code | Model | Max. current (A) | Speeds | Weight Kg | R.R.P € |
|-----------|----------------|------------------|-------------|-----------|----------|
| Código | Modelo | I máx. (A) | Velocidades | Peso Kg | P.V.P € |
| 508902501 | INT 400 25A 3P | 14 | 1 | 1 | 351,60 |
| 508902502 | INT 400 25A 6P | 14 | 2 | 1,1 | 418,80 |
| 508904001 | INT 400 40A 3P | 22 | 1 | 1,3 | 433,00 |
| 508904002 | INT 400 40A 6P | 22 | 2 | 1,4 | 540,50 |
| 508906301 | INT 400 63A 3P | 35 | 1 | 1,4 | 853,40 |
| 508906302 | INT 400 63A 6P | 35 | 2 | 1,6 | 1.023,80 |

INT 3V

Speed selector switch

Interruptor selector de velocidad



| MANUFACTURING FEATURES

- 4 steps (0-1-2-3) start-stop switch selector. Specially designed for 3 speeds fans.

| CARACTERÍSTICAS CONSTRUCTIVAS

- Interruptor de paro-marcha de cuatro posiciones (0-1-2-3) para seleccionar las diferentes velocidades del ventilador con motor de 3 o 4 velocidades.

| Code | Model | Phases | Max. current (A) | Protection | Weight Kg | R.R.P € |
|-----------|-----------|--------|------------------|------------|-----------|---------|
| Código | Modelo | Fases | I máx. (A) | Protección | Peso Kg | P.V.P € |
| 960000603 | INT 3V 3A | 1 | 3 | IP44 | 0,16 | 29,00 |

INT ATEX

Safety switch ATEX

Interruptor de seguridad ATEX



| MANUFACTURING FEATURES

- Switch for ATEX environments. Suitable for zones 1-2 (gas) and 21-22 (dust), index protection IP65. Manufactured in aluminum alloy and RAL 7000 gray finishing coat. External screws in stainless steel. Control on the front. Tensions up to 690V. According to directive 2014/34 / UE (ATEX).

| CARACTERÍSTICAS CONSTRUCTIVAS

- Interruptor para funcionar en entornos ATEX. Adecuados para zonas 1-2 (gas) y 21-22 (polvo) con grado de protección IP65. Fabricado en aleación de aluminio y acabado gris RAL 7000. Tornillería externa en acero inoxidable. Mando en la parte frontal. Tensiones hasta 690V. Acorde a la directiva 2014/34/UE (ATEX).

| Code | Model | Max. current (A) | Power kW | R.R.P € |
|------------|-------------|------------------|-------------|---------|
| Código | Modelo | I máx. (A) | Potencia kW | P.V.P € |
| 510200016X | INT 16 ATEX | 16 | 0,7 | 231,80 |
| 510200025X | INT 25 ATEX | 25 | 1,3 | 260,20 |
| 510200032X | INT 32 ATEX | 32 | 1,3 | 302,10 |
| 510200040X | INT 40 ATEX | 40 | 2,3 | 423,40 |
| 510200063X | INT 63 ATEX | 63 | 2,3 | 455,50 |

DPS**Differential pressure transmitter****Sonda de presión diferencial****| MANUFACTURING FEATURES**

Differential pressure transmitter. It provides a current signal (4-20 mA) proportional to the pressure measurement. It is used together with the SFC (frequency regulator) to control the pressure of an installation.

Power supply 24V. Input signal 0-50Pa. Output signal 4-20mA proportional.

| CARACTERÍSTICAS CONSTRUCTIVAS

Transmisor de presión diferencial. Proporciona una señal de intensidad en función de la presión medida. Se usa conjuntamente con el variador de frecuencia Casals SFC para el control de presión de una instalación.

Alimentación 24V. Señal de entrada 0-50Pa. Señal de salida 4-20mA proporcional.

| Code | Model | Supply | Pressure range | Output signal | Weight Kg | R.R.P. € |
|-----------|--------|--------------|------------------|-----------------|-----------|----------|
| Código | Modelo | Alimentación | Rango de presión | Señal de salida | Peso Kg | P.V.P. € |
| 300671202 | DPS | 24Vdc | 0-100 Pa | 4-20 mA | 0,12 | 202,90 |

DPS-2**High resolution differential pressure transmitter****Sonda de presión diferencial de alta resolución****| MANUFACTURING FEATURES**

Differential pressure transmitter with high resolution display and 7 segment led. It provides a current signal (4-20 mA) proportional to the pressure measurement. It is used together with the Casals frequency regulator SFC to control the pressure of an installation.

Power supply 24V. Input signal up to 2000 Pa. Output signal 4-20mA proportional.

| CARACTERÍSTICAS CONSTRUCTIVAS

Transmisor de presión diferencial con display de alta resolución con 7 segmentos led. Proporciona una señal de intensidad en función de la presión medida. Se usa conjuntamente con el variador de frecuencia Casals SFC para el control de presión de una instalación.

Alimentación 24V. Señal de entrada hasta 2000 Pa. Señal de salida 4-20mA proporcional.

| Code | Model | Supply | Pressure range | Output signal | Weight Kg | R.R.P. € |
|-----------|--------|--------------|------------------|-----------------|-----------|----------|
| Código | Modelo | Alimentación | Rango de presión | Señal de salida | Peso Kg | P.V.P. € |
| 300671203 | DPS-2 | 24Vdc | 0-100 Pa | 4-20 mA | 0,12 | 256,50 |

SCO2**Temperature, relative humidity and CO₂ probe for heat exchangers****Sonda de temperatura, humedad relativa y CO₂ para recuperadores****| MANUFACTURING FEATURES**

Ambient sensor for measuring temperature, relative humidity and CO₂ in rooms.

Optional: The CO₂ modules can be removed from the sensor to be calibrated.

| CARACTERÍSTICAS CONSTRUCTIVAS

Sensor de ambiente para medir la temperatura, la humedad relativa y el CO₂ en habitaciones.

Opcional: Los módulos de CO₂ se pueden extraer del sensor para ser calibrados.

| Code | Model | R.R.P. € |
|--------|--------|----------|
| Código | Modelo | P.V.P. € |
| SCO2ST | SCO2 | 440,30 |

DCO2**Temperature, relative humidity and CO₂ duct probe for heat exchangers****Sonda de temperatura, humedad realtiva y CO₂ para conducto en recuperación de energía****| MANUFACTURING FEATURES**

Duct sensor for measuring temperature, relative humidity and CO₂ in the rooms.

Optional: The CO₂ modules can be removed from the sensor to be calibrated.

| CARACTERÍSTICAS CONSTRUCTIVAS

Sensor para conducto para medición de temperatura, humedad relativa y CO₂ en las habitaciones.

Los módulos de CO₂ se pueden extraer del sensor para calibrarlos.

| Code | Model | R.R.P. € |
|--------|--------|----------|
| Código | Modelo | P.V.P. € |
| DCO2ST | DCO2 | 457,30 |

LARIDIS

Automatic bearing lubricator

Lubricador automático de cojinetes



MANUFACTURING FEATURES

- Two outputs with independently adjustable lubrication intervals.
- Easy integration in the operation of the machine.
- Simplification of the maintenance process.
- Dosage of quantities independent of the ambient temperature.
- Measurement of the back pressure up to the point of lubrication.
- Power supply: 24V DC or battery.
- Lubricant tank: 250 cm³ cartridge.
- Wide operating temperature range: -20 ° C to + 70 ° C.
- Optional activation using an external control unit.
- Monitoring of motor operation and filling level.
- Good price / performance ratio.

CARACTERÍSTICAS CONSTRUCTIVAS

- Dos salidas con intervalos de lubricación ajustables independientemente.
- Fácil integración en el funcionamiento de la máquina.
- Simplificación del proceso de mantenimiento.
- Dosificación de cantidades independiente de la temperatura ambiente.
- Medición de la contrapresión hasta el punto de lubricación.
- Fuente de alimentación: 24V DC o batería.
- Depósito de lubricante: cartucho de 250 cm³.
- Amplio rango de temperatura de funcionamiento: -20°C a +70°C.
- Activación opcional usando una unidad de control externa.
- Monitorización del funcionamiento del motor y nivel de llenado.
- Buena relación precio/rendimiento.

| Model | R.R.P. € |
|---------|----------|
| Modelo | P.V.P € |
| LARIDIS | 731,30 |

LARIDIS CARTRIDGE | CARTUCHOS LARIDIS

| Model | R.R.P. € |
|-------------------|----------|
| Modelo | P.V.P € |
| CARTUCHOS LARIDIS | 56,70 |

LENTICHEK

Vibration monitoring system

Sistema supervisión de vibraciones



MANUFACTURING FEATURES

- Record and analysis of vibration measurement signals
- Record of temperature signals
- Evaluation of the input signals
- Selective permanent control as a function of frequency
- Integration of up to three signals connected simultaneously
- Output switching and status sampling via LED
- Admission inputs of additional signals for integration into a main system.

CARACTERÍSTICAS CONSTRUCTIVAS

- Registro y análisis de señales de medición de vibraciones
- Registro de señales de temperatura
- Evaluación de las señales de entrada
- Control permanente selectivo en función de la frecuencia
- Integración de hasta tres señales conectadas simultáneamente
- Conmutación de salidas y muestreo de estado mediante LED
- Entradas de admisión de señales adicionales para la integración en un sistema principal.

| Model | R.R.P. € |
|------------|----------|
| Modelo | P.V.P € |
| LENTICHECK | 2.199,10 |

IEC

Three phase IEC motors

Motores IEC trifásicos



MANUFACTURING FEATURES

- Speeds: 2, 4 and 6.
- Mounting form: IM B3 (IM 1001).
- Supply: 230/400V 50Hz in three phase motors up to 4kW, and 400/690V 50Hz for higher powers.
- Closed motors with forced ventilation.
- IP 55 protection.
- Class F insulation.
- Service S1.
- Mounting form: B3.

UNDER REQUEST

- 2 speeds motors.
- Single phase motors. 15% additional cost.
- Other mounting forms:
 - B5: 5% additional cost.
 - B14: 5% additional cost.

CARACTERÍSTICAS CONSTRUCTIVAS

- Velocidades: 2, 4 y 6.
- Forma constructiva IM B3 (IM 1001).
- Alimentación trifásica 230/400V 50Hz hasta 4kW y 400/690V 50Hz para potencias superiores.
- Motores cerrados con ventilación exterior.
- Grado de protección IP 55.
- Aislamiento clase F.
- Servicio S1.
- Forma constructiva: B3.

BAJO DEMANDA

- Motores de 2 velocidades.
- Motores monofásicos. Añadir 15% en el PVP.
- Otras formas constructivas:
 - B5: añadir 5% en el PVP
 - B14: añadir 5% en el PVP.

| Power kW | Voltage V | 2 POLE | | | 4 POLE | | | 6 POLE | | |
|-------------|-----------|----------------|-----------|---------------------|----------------|-----------|---------------------|----------------|-----------|---------------------|
| | | Code 2 pole | P.V.P | Motor size | Code 4 pole | P.V.P | Motor size | Code 6 pole | P.V.P | Motor size |
| Potencia kW | Voltaje V | 2 POLOS | | | 4 POLOS | | | 6 POLOS | | |
| | | Código 2 polos | P.V.P | Tamaño constructivo | Código 4 polos | P.V.P | Tamaño constructivo | Código 6 polos | P.V.P | Tamaño constructivo |
| 0,18 | 230/400 | 721001011 | 107,10 | 63 | 721001119 | 112,30 | 63 | 721001218 | 130,40 | 71 |
| 0,25 | 230/400 | 721001017 | 116,20 | 63 | 721001125 | 134,80 | 71 | 721001224 | 140,50 | 71 |
| 0,37 | 230/400 | 721001022 | 134,40 | 71 | 721001131 | 146,70 | 71 | 721001230 | 188,70 | 80 |
| 0,55 | 230/400 | 721001031 | 144,40 | 71 | 721001137 | 235,30 | 80 | 721001236 | 202,90 | 80 |
| 0,75 | 230/400 | 721001038 | 244,80 | 80 | 721001143 | 259,40 | 80 | 721001250 | 303,60 | 90 S |
| 1,1 | 230/400 | 721001043 | 269,30 | 80 | 721001149 | 303,60 | 90 S | 721001150 | 337,90 | 90L |
| 1,5 | 230/400 | 721001048 | 313,40 | 90 S | 721001155 | 332,90 | 90 L | 721001254 | 465,10 | 100L |
| 2,2 | 230/400 | 721001053 | 347,60 | 90 L | 721001161 | 430,70 | 100 L | 721001260 | 606,10 | 112M |
| 3 | 230/400 | 721001059 | 470,10 | 100 L | 721001168 | 474,80 | 100 L | 721001262 | 842,00 | 132 S |
| 4 | 230/400 | 721001065 | 572,80 | 112 M | 721001174 | 602,20 | 112 M | 721001270 | 959,40 | 132 M |
| 5,5 | 400/690 | 721001072 | 871,40 | 132 S | 721001181 | 871,40 | 132 S | 721001274 | 1.068,50 | 132 M |
| 7,5 | 400/690 | 721001082 | 959,40 | 132 S | 721001187 | 1.012,70 | 132 M | 721001277 | 1.524,20 | 160 M |
| 11 | 400/690 | 721001086 | 1.459,10 | 160 M | 721001189 | 1.524,20 | 160 M | 721001281 | 1.682,20 | 160 L |
| 15 | 400/690 | 721001091 | 1.524,20 | 160 M | 721001191 | 1.682,20 | 160 L | 721001291 | 2.384,00 | 180 L |
| 18,5 | 400/690 | 721001093 | 1.763,90 | 160 L | 721001193 | 2.090,50 | 180 M | 721001293 | 2.893,10 | 200 L |
| 22 | 400/690 | 721001094 | 2.259,40 | 180 M | 721001195 | 2.324,60 | 180 L | 721001294 | 3.255,80 | 200 L |
| 30 | 400/690 | 721001095 | 2.999,60 | 200 L | 721001196 | 3.112,10 | 200 L | 721001296 | 4.258,40 | 225 M |
| 37 | 400/690 | 721001096 | 3.330,40 | 200 L | 721001197 | 3.862,40 | 225 S | 721001297 | 5.311,00 | 250 M |
| 45 | 400/690 | 721001097 | 4.544,70 | 225 M | 721001198 | 4.385,10 | 225 M | 721001298 | 6.824,30 | 280 S |
| 55 | 400/690 | 721001088 | 5.492,40 | 250 M | 721001199 | 5.343,00 | 250 M | 721001299 | 7.781,50 | 280 M |
| 75 | 400/690 | 721001455 | 6.245,20 | 280 S | 721001401 | 7.036,10 | 280 S | 721001300 | 14.068,90 | 315 S |
| 90 | 400/690 | 721001458 | 7.853,90 | 280 M | 721001404 | 7.735,20 | 280 M | 721001301 | 14.484,40 | 315 M |
| 110 | 400/690 | 721001460 | 14.600,50 | 315 S | 721001406 | 11.963,90 | 315 S | 721001302 | 15.197,20 | 315 L |

Technical concepts
Conceptos técnicos

HOW TO ACCESS TO THE SELECTION SOFTWARE

CÓMO ACCEDER AL PROGRAMA DE SELECCIÓN

Access is available from any device (pc, mobile and tablet) and any operating system.

Type www.casals.com/fanware into a browser with internet connection, browse in our website www.casals.com or scan this QR for direct access.

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Escriba www.casals.com/fanware en un navegador y con conexión a Internet, busque el acceso en nuestra web www.casals.com o escanee este código QR y accederá directamente.

Cualquiera puede acceder gratuitamente al Fanware pero las opciones serán muchas más si se registra en el sistema y más aún si es un cliente de Casals. Descubra en nuestra web las ventajas que tiene cada tipo de usuario, como poder personalizar los informes técnicos, descargar certificados, manuales y muchas otras opciones.

HOW TO SELECT A PRODUCT

CÓMO HACER SELECCIONES DE PRODUCTO

You can access to any of our products from the website catalogue, or from main Fanware page using any of the following ways of search:

- Search for reference or code
- Choose the fan serie from a list
- Filtering the type of fan
- Calculating a flow rate-static pressure operating point

Once you made the search, the software will list all the appropriate fans and the following information for each product:

- Curve: static pressure, dynamic pressure, total pressure, absorbed power, efficiency, resistive curve and acoustic spectrum.
- Dimensions: dimensions table and diagram.
- Wiring diagram.
- General data: product technical description and ErP compliance data.
- Accessories: model and size of the accessory according to the selected model of fan.
- Spare parts: explosion drawing of spare parts for the selected model of fan.
- Documentation: all the available documentation like declaration of conformity, certificates, manuals, brochures, etc.

Not only can you see the information pertaining to a single fan model but may make comparisons with many others.

Both fans, accessories and spare parts appear with the code to facilitate your order.

Puede acceder a cualquiera de nuestros productos a partir del catálogo expuesto en la web o bien desde la página principal del Fanware mediante distintas formas de búsqueda:

- Por buscador de referencia o código
- Escogiendo la serie en un listado
- Filtrando el tipo de ventilador
- Por cálculo de un punto caudal-presión estática

El programa le ofrecerá un listado de los ventiladores que se adecuan a su búsqueda y para cada uno de ellos se mostrará la siguiente información:

- Curva: presión estática, presión dinámica, presión total, potencia absorbida, rendimiento, curva resistiva y espectro sonoro.
- Dimensiones: tabla de dimensiones y esquemático.
- Esquema de conexiones.
- Datos generales: descripción técnica del producto y datos de cumplimiento de ErP.
- Accesorios: modelo y tamaño del accesorio correspondiente al modelo concreto de ventilador seleccionado.
- Recambios: despiece de las piezas de recambio existentes para el modelo de ventilador seleccionado.
- Documentación: toda la documentación existente como declaración de conformidad, certificado, manuales, folletos, etc.

No sólo podrá ver la información perteneciente a un único modelo de ventilador sino de toda la serie completa y hacer comparativas con muchos otros.

Tanto ventiladores, accesorios como recambios aparecen con el código correspondiente para facilitar su pedido.

FANWARE ADVANTAGES

VENTAJAS DE FANWARE

The development of Fanware aims to facilitate the work of our customers when doing searches and budgeting. So there among the options offered for the extraction of reports, there is the possibility of adding the logo of their company. In addition, it is available in multiple languages and with one click you can change from 50 to 60Hz accessing the configuration options.

By accessing by username and password, the preferences of each user are saved and there is not need to change them every time you connect. This is very useful considering that Fanware allows combinations in terms of flow, pressure, temperature and length. This where you can change the default language that the browser will detect in your first connection.

It requires no installation on the system so that all data are updated simultaneously in all languages and for any user. Also, if you want to share product information, simply send the hyperlink to the page or simply extract the report in pdf format.

Discover these and many more advantages in fanware.casals.com and register for free.

El desarrollo del Fanware pretende facilitar el trabajo de nuestros clientes a la hora de hacer búsquedas y elaborar presupuestos. Por eso entre las opciones que ofrece para la extracción de informes, existe la posibilidad de poner el logo de la propia empresa. Además, está disponible en múltiples idiomas y con un sólo clic se puede cambiar de 50 a 60Hz accediendo a las opciones de configuración.

El hecho de acceder mediante usuario y contraseña, se guardan las preferencias de cada usuario y no es necesario cambiarlas cada vez. Esto es muy útil teniendo en cuenta que Fanware permite hacer las combinaciones de unidades que sean necesarias a nivel de caudal, presión, temperatura y longitud. Es aquí donde se puede cambiar el idioma por defecto que el navegador detectará en la primera conexión.

No requiere ninguna instalación en el sistema de modo que todos los datos están actualizados simultáneamente en todos los idiomas y para cualquier usuario. Además, si desea compartir la información de un producto, bastará con mandar el hipervínculo de la página o extraer de forma sencilla el informe en formato pdf.

Descubra éstas y muchas más ventajas en casals.com/fanware y regístrese gratuitamente.

PARKING VENTILATION

VENTILACIÓN EN APARCAMIENTOS

Underground car parks require ventilation to reduce the levels of pollution produced by the gas emissions generated by the vehicles, but also to aerate the smoke generated in case of fire and to help the extinguishing teams (Fire Fighters).

Depending on the country, different regulations are applied. In Spain, the regulation in force is the Technical Building Code of 2011 which follows the English standard BS-7346-7 and the NBN S 21-208-2 considering these rules as suitable for its application in projects for the control of smoke and heat in parking. Currently, all ventilation projects on parking are already being carried out based on part 9-Impulse ventilation to achieve smoke clearance, part 10-Impulse ventilation to assist firefighting access (smoke control) and part 11-Impulse ventilation to protect means of escape. This regulation also establishes in other parts the criteria of ventilation in case of fire with other extraction systems; as for example, smoke ventilation by natural dissipation in section 7 or conventional mechanical extraction in section 8.

The main difference between the requirements of the CTE and the requirements of BS-7346-7 lies on the dimensioning of the ventilation system in relation to the extraction flow of the system.



Los aparcamientos subterráneos requieren de ventilación para reducir los niveles de contaminación producidos por las emisiones de gas que generan los vehículos, pero también para airear el humo generado en caso de incendio y así ayudar a los equipos de extinción.

Dependiendo del país se aplican distintas normativas, en España, por ejemplo, se rige por la aceptación del Código Técnico de la Edificación de 2011 siguiendo la norma inglesa BS-7346-7 considerando dicha norma como adecuada para su aplicación en los proyectos de instalaciones para el control del humo y el calor en garajes. En la práctica todos los diseños de sistemas de ventilación por impulso en aparcamientos se estaban realizando ya mediante el citado apartado 9 Ventilación de impulso, para disipación de humo de dicha norma BS-7346.7, la cual establece también mediante otros apartados los criterios de ventilación en caso de incendio mediante otros tipos de sistemas como la ventilación de humo por disipación natural en su apartado 7 o la extracción mecánica convencional en su apartado 8.

Una de las principales diferencias entre los requerimientos del CTE y los requerimientos de la BS-7346-7 radica en el dimensionado del sistema de ventilación en relación con el caudal de extracción del sistema.



Nowadays, the use of impulse ventilation systems (jet fans) is becoming the European reference in parking ventilation. There are two main concepts that must be clear before carrying out the CFD study of the parking lot, the Smoke Control concept and the Smoke Clearance.

The Smoke Control technique consists on providing the emergency teams with a smoke-free zone near the location of the fire.

1. Detecting the focus of the fire at a specific point in the parking lot, allowing emergency teams to easily and quickly identify the fire.
2. Moving the smoke and heat from the focus of the fire to a specific point or points of extraction.
3. Creating a smoke-free or clear visibility zone, which allows emergency teams to see and extinguish the fire generated in the parking lot.

En la actualidad el uso de los sistemas de ventilación por impulsos (jet fans) se esta convirtiendo en la referencia a escala europea en ventilación para aparcamientos. Existen dos conceptos que hay que tener claros antes de realizar el estudio CFD del aparcamiento, el concepto Smoke Control y el Smoke Clearance.

La técnica del Smoke Control consiste en proveer a los equipos de emergencias de una zona libre de humo cercana a la localización del fuego.

1. Detectando el origen del fuego en un punto específico del aparcamiento permitiendo a los equipos de emergencia una fácil y rápida identificación del fuego.
2. Impulsando el humo y calor desde la localización del fuego hacia un punto o puntos de extracción específico.
3. Creando una zona libre de humo o de clara visibilidad, que permite a los equipos de emergencias ver y extinguir el fuego generado en el aparcamiento.

| COUNTRY | REGULATIONS |
|-----------------------------------|----------------------------|
| PAÍS | NORMATIVA |
| United Kingdom Reino Unido (UK) | BS 7346-7:2013 |
| Spain España | CTE 2011 & UNE 100166 |
| Belgium Bélgica | NBN S 21-208-2 |
| Portugal | NP 4540 – 2015 & 1532/2008 |
| Europe Europa | EN 12101-11 |

The Smoke Clearance technique on the other hand consists in assisting the emergency teams by dissipating the smoke during and after the fire in the parking.

1. Allowing a fast dissipation of smoke once the fire has been turned off. Moving the smoke and heat from the focus of the fire to a specific point or points of extraction.
2. The ventilation also allows to reduce the density of the smoke and the temperature during the fire.
3. This system doesn't intend to keep any area of the parking lot free of smoke. Smoke Clearance aims to limit the density of smoke and temperature for any possible case and to assist people in the parking lot by helping them find emergency exits.

In Europe, each country has a requirement regarding the different ventilation air flow rates. Check the table below where you can check the extraction rates in case of fire in the following countries following the concept of smoke clearance:

La técnica del Smoke Clearance por otro lado consiste en asistir a los equipos de emergencias disipando el humo del aparcamiento durante y después del fuego.

1. Permite una rápida disipación del humo una vez el fuego ha sido apagado.
2. La ventilación permite también reducir la densidad del humo y la temperatura durante el transcurso del fuego.
3. Este sistema no pretende mantener ninguna área del aparcamiento libre de humo, sino que pretende limitar la densidad del humo y/o temperatura para cualquier caso o también para asistir a las personas dentro del parking ayudándoles a encontrar las salidas de emergencia.

A nivel europeo cada país cuenta con un requerimiento en cuanto al caudal de ventilación diferente a continuación pueden consultar los caudales de extracción en caso de incendio de los siguientes países siguiendo el concepto smoke clearance:

| COUNTRY | Extraction Airflow in case of fire |
|------------------------------|--|
| PAÍS | Caudal de extracción en caso de incendio |
| Spain España | 150 l/s · car = 540 m ³ /h · car (6 renovations/hour for a parking of 3m high). 150 l/s · coche = 540 m ³ /h · coche (6 renovaciones / hora para un parking de 3 m de altura). |
| United Kingdom Reino Unido | 10 renovations/hour. 10 renovaciones / hora. |
| Holland Holanda | 10 renovations/hour. 10 renovaciones / hora. |
| France Francia | 900 m ³ /h car in parking with sprinklers (10 renovations/hour for a parking of 3 m high). 600 m ³ /h · car in parking with sprinklers (6,7 renovations/hour for a parking of 3 m high). 900 m ³ /h · coche para parkings sin rociadores (10 renovaciones / hora para un parking de 3 m de altura) 600 m ³ /h · coche para parkings con rociadores (6,7 renovaciones / hora para un parking de 3m de altura). |
| Portugal Portugal | 600 m ³ /h · car (6,7 renovations/hour for a parking of 3 m high). 600 m ³ /h · coche (6,7 renovaciones / hora para un parking de 3m de altura). |
| Italy Italia | 300 m ³ /h · car (3,3 renovations/hour for a parking of 3 m high). 300 m ³ /h · coche (3,3 renovaciones / hora para un parking de 3m de altura). |
| Turkey Turquía | 10 renovations per hour. 10 renovaciones por hora. |

For a proper selection of the fans in a car park in accordance with current regulations, a study is necessary to perform the computational fluid dynamics analysis (CFD), which allows us to perform the calculations and design of the installation. The hypotheses that should be studied in the CFD analysis are:

- Normal pollution ventilation (NPV) throughout the car park. Performing a drive at lower speed, which is activated thanks to the CO detection system.
- Emergency mode (EM) for smoke dissipation. Performing a high-speed drive activated by the fire detection system.

Studying these two hypotheses in the CFD, it allows us to know the locations and the air flow needs of the different ventilation equipment, so that there are no areas of smoke stagnation in the entire surface of the car park.

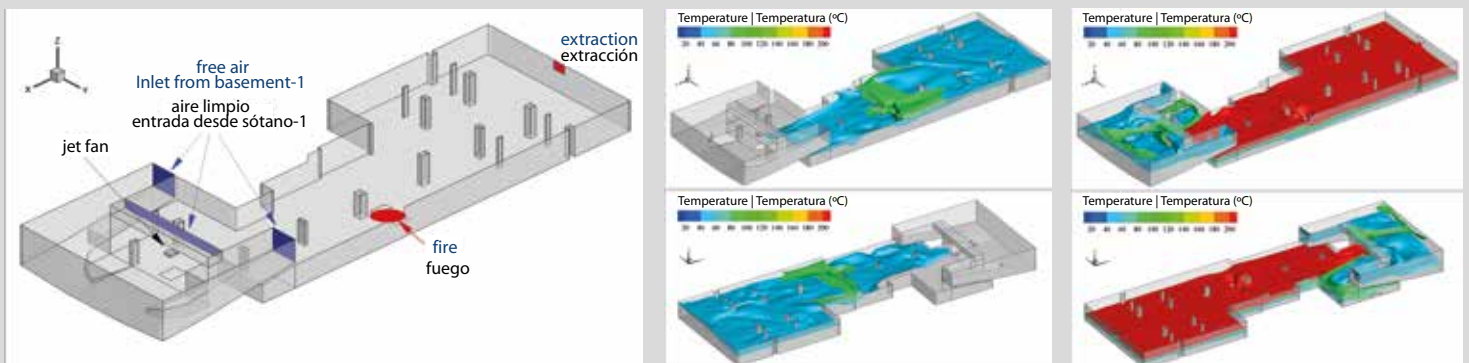
Example of a CFD simulation:

Para una correcta selección de los ventiladores en un aparcamiento acorde a las normativas vigentes es necesario un estudio para poder realizar el análisis de dinámica de fluidos computacional (CFD), que nos permita hacer los cálculos y diseño de la instalación. Las hipótesis que se deben analizar en el análisis CFD son:

- Ventilación normal de la polución (NPV) en todo el aparcamiento. Realizando una impulsión a menor velocidad, que se activa gracias al sistema de detección de CO.
- Modo de emergencia (EM) para la disipación del humo. Realizando una impulsión a alta velocidad activada por el sistema de detección de incendios.

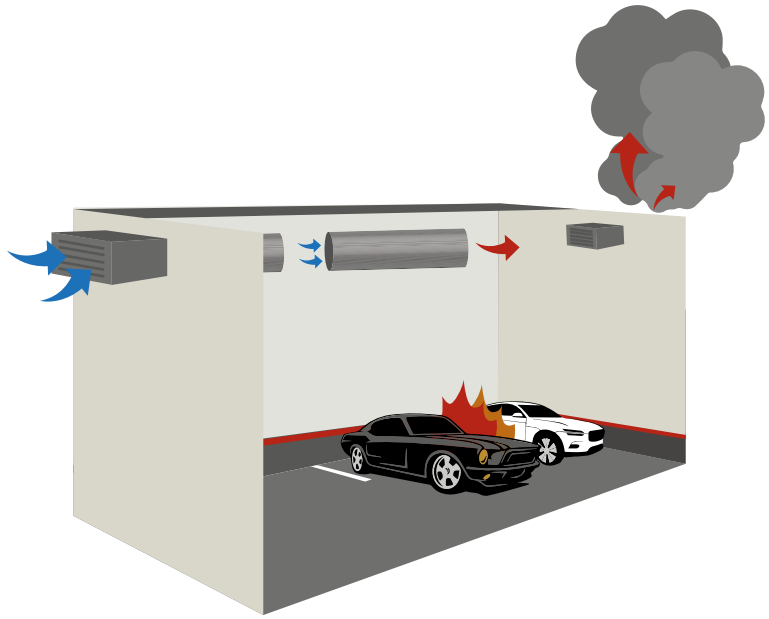
Analizando estas dos hipótesis en el CFD, nos permite conocer las ubicaciones y las necesidades de caudal de los diferentes equipos, para que no haya zonas de estancamiento de humos en toda la superficie del aparcamiento.

Ejemplo de simulación de CFD:

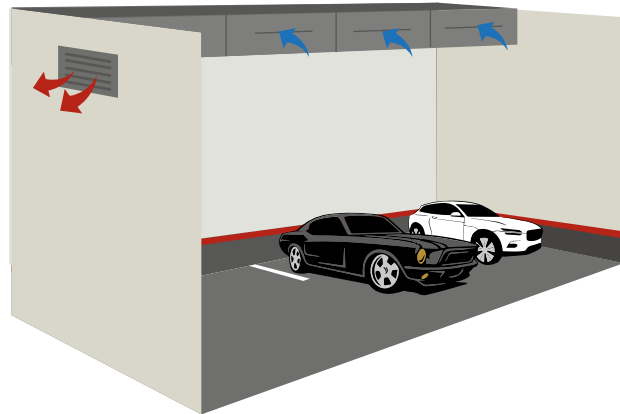
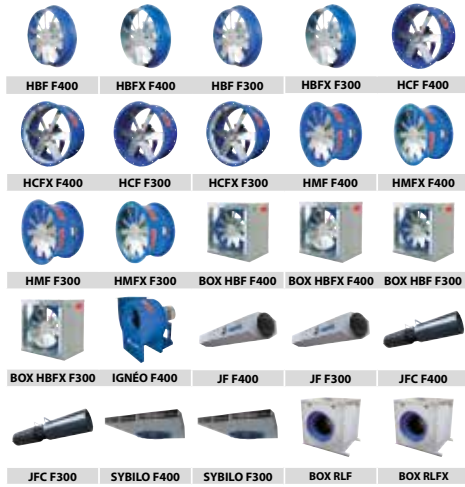




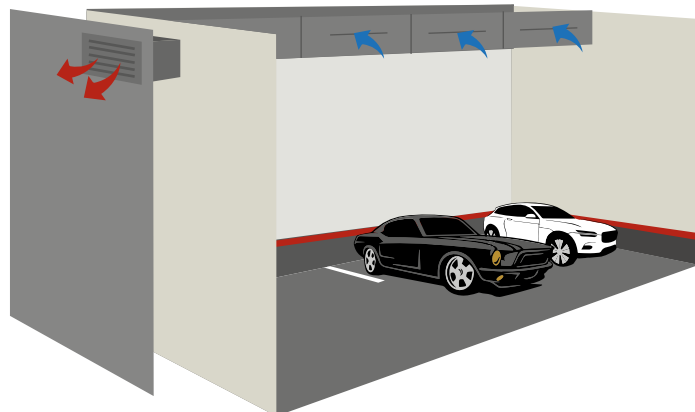
JET FANS
VENTILADORES DE IMPULSO



INSIDE
INMERSOS



OUTSIDE
EXTERIORES



STAIR PRESSURIZATION

PRESURIZACIÓN DE ESCALERAS

The UNE-EN 12101-6 standard describes the differential pressure systems applied to escape ways, specially in protected stairs. These systems are based on the mechanical injection of outdoor air to the stair box, generating in this way a positive pressure that prevents the products of combustion from getting in the escape ways. In case of fire, the system helps in the evacuation process of the occupants by avoiding or reducing the vertical spread of the fire.

The needed flow will depend on the design conditions of the building. In general terms, an air speed through open sections of 0.75m/s will be used when the stair is used as an escape way for occupants, and of 2m/s when the stair is used by the fire extinguishing personnel.

The pressurization system must keep a differential pressure of 50Pa and overcome the pressure drop of the installation.

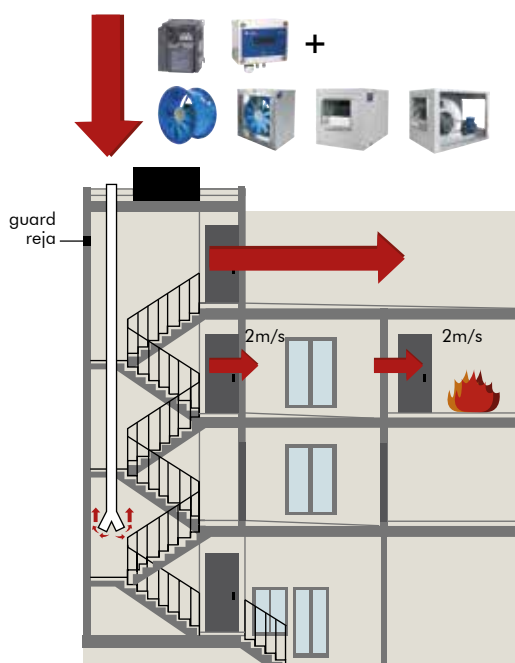
An automatic system consisting of a differential pressure probe (DPS), a frequency regulator (SFC) and the right fan according to the needs is recommended.

La UNE-EN 12101-6 describe los sistemas de presión diferencial que se aplican en las vías de escape, especialmente las escaleras protegidas. Estos sistemas se basan en la inyección mecánica de aire exterior a la caja de escalera con lo que se genera una presión positiva que impide el ingreso de los productos de combustión dentro de las vías de escape. Su instalación ayuda a realizar la evacuación de ocupantes en caso de incendio ya que evita o disminuye su propagación vertical.

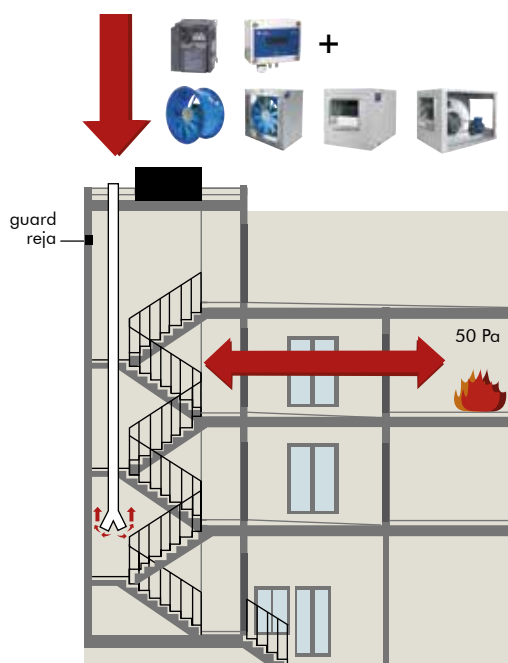
El caudal necesario variará en función de las condiciones de diseño del edificio. A grandes rasgos, se impondrá una velocidad de paso de 0.75m/s cuando la escalera sea usada como medio de escape de ocupantes y de 2m/s cuando sean empleadas por los servicios de extinción.

El sistema de presurización deberá ser capaz de mantener un diferencial de presión de 50Pa, además de vencer las pérdidas de carga de la instalación.

Se propone la instalación de un sistema automático formado por una sonda de presión diferencial (DPS), un variador de frecuencia (SFC) y un ventilador adecuado a las necesidades.



Air speed criterium.
Criterio de velocidad del aire.



Differential pressure criterium (with all doors closed).
Criterio de diferencia de presión (con todas las puertas cerradas).

EXTRACTION AND VENTILATION SYSTEMS IN KITCHENS

SISTEMAS DE EXTRACCIÓN Y VENTILACIÓN EN COCINAS

Ventilation in residential, professional and industrial kitchens is vital moreover in the adjoining rooms also, to guaranty the comfort, safety and health of the people in them. The two main systems to obtain a good ventilation are the extraction and supply; according to the regulations of each country and to meet the standards of hygiene, health, safety and energy savings.

1. Requirements

A good ventilation in kitchens and the adjoining rooms must fulfill the following requirements:

- Security: It's important that the work environment is safe and healthy for the people inside.
- Maintenance, cleaning and hygiene: the installed equipment must have a rigorous and periodic maintenance, as well as be always clean to avoid diseases or sparks of the equipment. That is why the equipment must be accessible and easy to maintain.
- Comfort: the ventilation systems must provide a correct temperature in certain areas of the kitchen and near rooms but also ensure a low sound level that doesn't harm the people who are in them.
- Energy saving: it is essential to achieve a good extraction and supply of the air that guarantees all the goals set beforehand and also to achieve the minimum possible energy loss.

2. Regulations

Casals Ventilation manufactures all the necessary fans for the correct extraction and supply of air according to the following regulations:

La ventilación es vital en las cocinas particulares, profesionales e industriales e incluso en sus salas adyacentes para el confort, higiene y seguridad de las personas que están en ellas. Los dos sistemas principales para obtener una buena ventilación son la captación y la extracción; acordes a las normativas de cada país y cumpliendo así con los objetivos de higiene, salud, seguridad y ahorro energético marcados.

1. Requisitos

Una correcta ventilación en cocinas y las salas adyacentes debe cumplir con los siguientes requisitos:

- Seguridad: es importante que el ambiente de trabajo sea seguro y saludable para las personas que están dentro.
- Mantenimiento, limpieza e higiene: los equipos instalados deben tener un mantenimiento riguroso y periódico, así como estar siempre limpios para evitar enfermedades o chispas de los equipos. Es por lo que los equipos deben ser accesibles y de fácil mantenimiento.
- Confort: los sistemas de ventilación deben proporcionar una correcta temperatura en las zonas determinadas y garantizar un bajo nivel sonoro que no perjudique a las personas que están en ellas.
- Ahorro energético: es clave conseguir una correcta extracción y aportación de aire que garantice todos los objetivos planteados previamente y además consiguiendo el mínimo gasto energético posible.

2. Normativa

Casals Ventilación fabrica todos los ventiladores necesarios para la correcta extracción y aportación de aire según las siguientes normativas:

| | |
|--|---|
| UNE 100-165-04 | Smoke Extraction and ventilation in kitchens. (Spain). Extracción de humos y ventilación en cocinas. |
| C. T. E. DB SI 1– Inner propagation Propagación interior | Edification Technical Code – Fire Security. (Spain). Código Técnico Edificación – Seguridad Incendios. |
| RITE | Regulation of Thermic Installations in Buildings. (Spain). Reglamento de instalaciones térmicas en los edificios. |
| ERP 327/2011 | Eco-design Directive ERP. Directiva europea de ecodiseño. |
| UNE-EN 12101-3:2016 | Smoke and Heat Control Systems - Part 3: Specification for Powered Smoke and Heat Control Ventilators (Fans). Sistemas de control de humo y calor. Parte 3: Especificación para aireadores mecánicos de control de humo y calor (ventiladores). |
| UNE-EN 16282-1:2017 | Equipment for Commercial Kitchens - Components for Ventilation of Commercial Kitchens - Part 1: General Requirements Including Calculation Method. Equipos para cocinas comerciales. Componentes para la ventilación de cocinas comerciales. Parte 1: Requisitos generales incluyendo el método de cálculo. |
| NE-EN 16282-2:2017 | Equipment for Commercial Kitchens - Components for Ventilation in Commercial Kitchens - Part 2: Kitchen Ventilation Hoods - Design and Safety Requirements. Equipos para cocinas comerciales. Componentes para la ventilación de cocinas comerciales. Parte 2: Campanas de ventilación de cocinas. Diseño y requisitos de seguridad. |
| UNE-EN 16282-3:2017 | Equipment for commercial kitchens - Components for ventilation in commercial kitchens - Part 3: Kitchen ventilation ceilings; Design and safety requirements. Equipos para cocinas comerciales. Componentes para la ventilación de cocinas comerciales. Parte 3: Techos de ventilación de cocinas. Diseño y requisitos de seguridad. |
| UNE-EN 16282-4:2017 | Equipment for commercial kitchens - Components for ventilation in commercial kitchens - Part 4: Air inlets and outlets; Design and safety requirements. Equipos para cocinas comerciales. Componentes para la ventilación de cocinas comerciales. Parte 4: Entradas y salidas de aire; diseño y requisitos de seguridad. |
| UNE-EN 16282-5:2017 | Equipment for Commercial Kitchens - Components for Ventilation in Commercial Kitchens - Part 5: Air Duct; Design and Dimensioning. Equipos para cocinas comerciales. Componentes para la ventilación de cocinas comerciales. Parte 5: Conductos de aire. Diseño y dimensionamiento. |
| UNE-EN 16282-6:2017 | Equipment for Commercial Kitchens - Components for Ventilation in Commercial Kitchens - Part 6: Aerosol separators Design and security requirements. Equipos para cocinas comerciales. Componentes para la ventilación de cocinas comerciales. Parte 6: Separadores de aerosoles. Diseño y requisitos de seguridad. |
| UNE-EN 16282-7:2017 | Equipment for commercial kitchens - Components for ventilation in commercial kitchens - Part 7: Installation and use of fixed fire suppression systems. Equipos para cocinas comerciales. Componentes para la ventilación de cocinas comerciales. Parte 7: Instalación y uso de sistemas de supresión del fuego fijos. |
| UNE-EN 16282-8:2017 | Equipment for commercial kitchens - Components for ventilation in commercial kitchens - Part 8: installations for treatment of aerosol - Requirements and testing. Equipos para cocinas comerciales. Componentes para la ventilación de cocinas comerciales. Parte 8: Instalaciones para el tratamiento de los humos de cocinado. Requisitos y ensayos. |
| UNE-EN 16282-9:2017 | Equipment for commercial kitchens - Components for ventilation in commercial kitchens - Part 9: Capture performance and retention of extraction systems. Test methods. Equipos para cocinas comerciales. Componentes para la ventilación de cocinas comerciales. Parte 9: Rendimiento de captación y retención de los sistemas de extracción. Métodos de ensayo. |
| BS EN 16282-7:2017 | Equipment for commercial kitchens. Components for ventilation in commercial kitchens. Installation and use of fixed fire suppression systems. Equipos para cocinas comerciales. Componentes para la ventilación de cocinas comerciales. Instalación y uso de sistemas de supresión del fuego fijos. |

The regulations and regulations in force on ventilation in kitchens are variants depending on the countries. Casals Ventilación offers a wide range of products that tries to adapt and comply with all of them.

3. Main goals to accomplish in ventilation of kitchens

Complying with the requirements of safety, energy saving, maintenance, hygiene, comfort and international regulations mentioned above, we conclude that a good extraction and ventilation system in kitchens must meet the following 4 goals:

1. Extract the dirty and stale air from the inside of the kitchens to the outside of the building, so that the kitchen and the adjacent areas are not contaminated. This way the smells, grease particles and harmful gases are reduced for professionals and assistants inside. It is also important to extract the heat and humidity that occurs due to the different reactions that take place inside the kitchen.
2. The clean air must be induced from the outside avoiding that the extracted air reenters the kitchen due to a bad calibration of the system of impulsion and/or extraction. Achieving a comfortable and energy-efficient climatization thanks to the induction of air in the kitchen normally at a lower temperature than the extracted air.
3. The necessary requirements for healthy, hygienic, comfortable and safety environments for the professionals and assistants must be maintained therefore the standards are defined by the different international regulations and legislations. It is very important to install good systems to eliminate smells and retain all the grease particles, to avoid the exit of contaminating particles or the inhalation of them inside the installations.
4. The air renewal inside the kitchen and adjacent rooms must be maintained at appropriate and specific temperatures according to the specified requirements of each room. It is important that when the air is extracted or inducted, they do not mix, producing an inefficient and harmful air renewal in the different rooms and kitchen.

Las normativas y reglamentos vigentes sobre ventilación en cocinas son variantes dependiendo de los países. Casals Ventilación ofrece una amplia gama de productos que trata de adaptarse y cumplir con todas ellas.

3. Objetivos de la ventilación en cocinas

Cumpliendo con los requisitos de seguridad, ahorro energético, mantenimiento, higiene, confort y normativas internacionales mencionados anteriormente, concluimos que un buen sistema de extracción y ventilación en cocinas debe cumplir con los 4 objetivos siguientes:

1. Extraer el aire sucio y viciado del interior de las cocinas hacia fuera del recinto, para que la cocina y las áreas adyacentes no sean contaminadas. Así, se reducen los olores, partículas de grasa y gases perjudiciales para los profesionales y asistentes dentro. Es importante extraer también el calor y la humedad que se produce a causa de las distintas reacciones que se llevan a cabo dentro de la cocina.
2. Se debe inducir el aire limpio del exterior evitando que el aire extraído vuelva a entrar en la cocina por culpa de un mal calibrado del sistema de impulsión y/o extracción. Consiguiendo así una climatización confortable y energéticamente eficiente gracias a la entrada del aire inducido normalmente a menor temperatura que el aire extraído.
3. Se deben mantener unos requisitos necesarios de salud, higiene, confort y seguridad de los profesionales y asistentes marcados por las distintas normativas y legislaciones internacionales. Por consiguiente, es muy importante instalar buenos sistemas de eliminación de olores y captación de partículas grasas, para evitar la salida al exterior de partículas contaminantes o la inhalación de ellas en el interior de las instalaciones.
4. La renovación del aire en el interior de la cocina y salas adyacentes debe mantenerse a unas temperaturas adecuadas y específicas según las exigencias marcadas de cada sala. Es importante que cuando se extraiga o impulse el aire, éstos no se mezclen produciendo una renovación del aire ineficiente y perjudicial en las distintas salas.

4. Other technical data to achieve the goals and requirements of a good ventilation in kitchens

Always that the installed power of the elements destined to the preparation of food in the professional kitchens is superior to 20kW, they will be classified as special risk areas. The ducts must be independent of any other extraction or ventilation. The mechanical smoke and heat extractors will have a fire classification F400/2 hour. In the case where the total cooking power is higher than 25 kW the extraction will be mandatory and therefore the mechanical supply of air as well, but in the case where the total cooking power is lower than 25kW only mechanical extraction will be required.

The air flow of an extraction will be calculated from a suction speed from the free perimeter respect to the height of the hood. The suction speed of the base of the hood will depend on the open sides. A suction speed of 0.6 m/s is recommended in island-type hoods (four open sides), 0.45 m/s for hoods with 3 open sides, for hoods with 2 open sides 0.35 m/s for the hoods with only one open side 0.25 m/s.

To achieve an adequate thermal comfort Casals Ventilation recommends that the ambient air inside the kitchen oscillates between 18°C and 26°C with humidity levels around 30% to 65% RH. Casals also recommends a maximum acoustic level of 60 dBA within the work area (unit value of the sound level produced by ventilation only) to achieve an adequate acoustic comfort. Hygiene should have a maximum depression of 10% established in the kitchen. As we have mentioned before, the induction of fresh air must be from the outside, it cannot be air recycled from other rooms. Regarding filtration, standard levels recommended according to IDA2 (EN13779) = the average indoor air quality with F8-F9.

5. Otros datos técnicos para lograr los objetivos y requisitos de una buena ventilación en cocinas

Siempre que la potencia instalada de los elementos destinados a la preparación de alimentos en las cocinas profesionales sea superior a 20kW, serán clasificados como locales de riesgo especial. Sus conductos deben ser independientes de cualquier otra extracción o ventilación. Los extractores de humos y calor mecánicos tendrán una clasificación de fuego F400/2horas. En el caso en que la potencia de cocción total sea > 25 kW la extracción será obligatoria y por tanto el suministro mecánico de aire también, pero en el caso en que la potencia de cocción total sea < 25kW solo se requerirá de una extracción mecánica.

El caudal de extracción se calculará a partir de una velocidad de captación del perímetro libre respecto a la altura de la campana. La velocidad de captación de la base de la campana variará en función de los lados que ésta presente abiertos. Se recomienda una velocidad de captación de 0,6 m/s en campanas tipo isla (cuatro lados abiertos), 0,45 m/s para campanas con 3 lados abierto, para las campanas que presentan 2 lados abiertos 0,35 m/s y para las campanas con un solo lado abierto 0,25 m/s.

Para lograr un adecuado confort térmico Casals Ventilación recomienda que el aire ambiente dentro de la cocina oscile entre 18°C y 26°C con unos niveles de humedad del 30% al 65%HR. Recomendamos también un nivel acústico máximo de 60 dBA dentro de la zona de trabajo (valor unitario de nivel sonoro producido por la ventilación únicamente) para lograr un confort acústico adecuado. La higiene debe tener una depresión máxima del 10% establecida en la cocina. Como bien hemos remarcado anteriormente la inducción de aire fresco debe ser desde el exterior, no puede ser aire reciclado de otras salas. En cuanto a filtración se recomienda unos niveles estándares según IDA2 (EN13779) = calidad promedio del aire interior F8-F9.



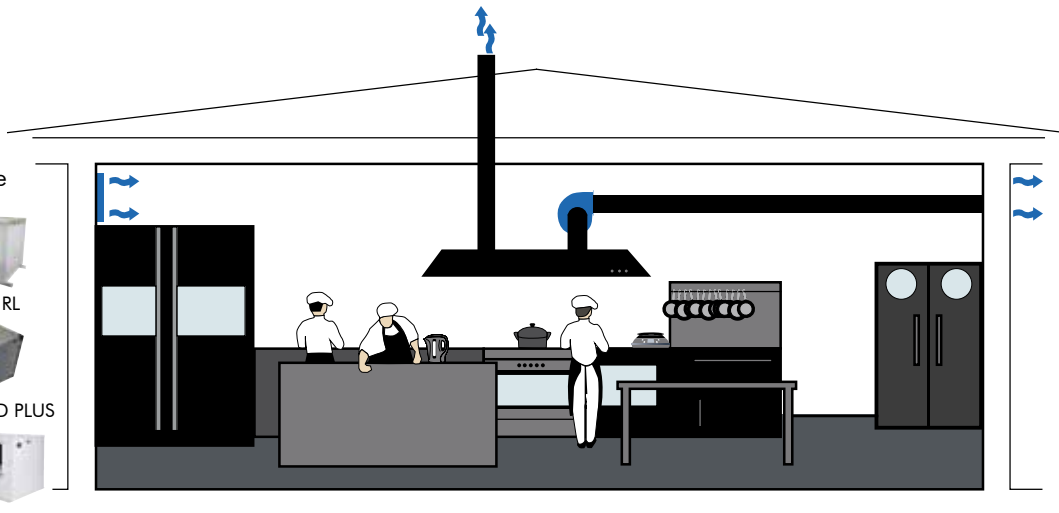
Extracción de humo EXTERIORES



Aportación de aire



Extracción de humo INMERSOS



ATEX CLASSIFICATIONS CLASIFICACIONES ATEX



1. Introduction

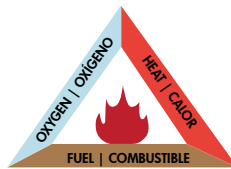
In many industrialized countries, during manufacturing, treatment, transport and storage of inflammable substances gases, vapors or mists are produced or leaked into the environment.

In industrial manufacturing process inflammable dust can also be produced; In combination with the oxygen in the air this gases, vapors, dust and mist produced during the manufacturing process can create a potentially explosive atmosphere that can cause an ignition inducing it to an explosion. Other common sources of ignition can occur due to electronic failure like for example from switches and other common sources of ignition can occur due to mechanical failure, as for example by the friction of an impeller with the inlet.

Creation of an explosive atmosphere

An explosive atmosphere is defined as all mixture in atmospheric conditions caused by the activity of manipulating or storage of air and inflammable substances in gas form, vapor or dust in which, after the ignition the unburned mixture is spread.

These explosive atmospheres can occur in many of the industrial activities that surround us, like for example, in the chemical industries, power plants, landfills, metallurgical industries, food industries ...



There are two main types of ATEX atmospheres:

- **Explosive gas atmospheres:** mixture of an inflammable substance in the state of gas or vapor with air, in which, in case of ignition, combustion is spread to the entire unburned mixture.
- **Atmosphere with explosive dust:** mixture of air, under atmospheric conditions, with flammable substances in the form of dust or fibers, in which, in case of ignition, the combustion propagates to the rest of the unburned mixture.

This is not applicable when the risk of explosion comes from unstable substances, such as explosives and pyrotechnic substances, or when the explosive mixture is outside of what is understood as normal atmospheric conditions, so it excludes processes under hyperbaric conditions.

To occur a potentially explosive atmosphere the combination of the mixture of an inflammable or combustible substance with an oxidant at a given concentration and an ignition source is required. In some industries and processes the risk of creating an explosive atmosphere increases when the manipulation of this substances is required in a confined space.

2. Category and classification of protection of the equipment

Zones and categories for gas and dust

Depending on the degree of presence of explosive gas or dust, these are classified into different zones and categories detailed below:

1. Introducción

En numerosos países industrializados, durante la fabricación, el tratamiento, el transporte y el almacenamiento de sustancias inflamables se producen o se fugan gases, vapores o nieblas que pasan al medio ambiente.

En otros procesos industriales también se producen polvos inflamables. En combinación con el oxígeno del aire, los gases, vapores, polvos y nieblas que se producen en dichos procesos se crea una atmósfera potencialmente explosiva que – en caso de ignición – provoca una explosión. Las fuentes de ignición pueden producirse debido a un fallo electrónico derivado por ejemplo de los interruptores o por un fallo mecánico, como por ejemplo por la fricción de una turbina con la boca de aspiración.

Creación de la atmósfera explosiva

Una atmósfera explosiva es toda mezcla, en condiciones atmosféricas causada por la actividad de manipulación o almacenaje, de aire y sustancias inflamables en forma de gas, vapor o polvo en la que, tras la ignición, se propaga la mezcla no quemada. Estas atmósferas explosivas se pueden dar en muchas de las actividades industriales que nos rodean como por ejemplo en las industrias químicas, centrales eléctricas, vertederos, industrias metalúrgicas, industrias alimentarias...

Se distinguen dos tipos de atmósferas ATEX:

- **Atmósferas de gas explosivas:** mezcla de una sustancia inflamable en estado de gas o de vapor con el aire, en la que, en caso de ignición, la combustión se propaga a toda la mezcla no quemada.
- **Atmósfera con polvo explosivo:** mezcla de aire, en condiciones atmosféricas, con sustancias inflamables bajo la forma de polvo o fibras, en la que, en caso de ignición, la combustión se propaga al resto de la mezcla no quemada.

Según lo expuesto anteriormente, no es aplicable cuando el riesgo de explosión proviene de sustancias inestables, como explosivos y sustancias pirotécnicas, o cuando la mezcla explosiva está fuera de lo que se entiende como condiciones atmosféricas normales, por lo que excluye a los procesos en condiciones hiperbáricas.

Para que ocurra una atmósfera potencialmente explosiva se requiere la combinación de la mezcla de una sustancia inflamable o combustible con un oxidante a una concentración determinada más una fuente de ignición. En otro tipo de industrias y procesos productivos el riesgo se hace mayor y más complejo de manipular cuando nos encontramos en un espacio confinado y con trabajos de manipulación de esas sustancias potencialmente explosivas.

2. Categoría y nivel de protección del equipo

Zonas y categorías para gas y polvo

Dependiendo del grado de presencia del gas o polvo explosivo, éstos se clasifican en distintas zonas y categorías a continuación detalladas:

| | ZONES ZONAS | CATEGORY RD 144/16 CATEGORIA RD 144/16 | EPL UNE-EN 60079-14 EPL UNE-EN 60079-14 |
|---------------|---|---|--|
| GAS | 0: always present presencia permanente | 1G | Ga |
| | 1: occasional presence presencia ocasional | 2G or 1G | Gb or Ga |
| | 2: rare presence presencia rara | 3G, 2G or 1G | Gc, Gb or Gc |
| DUST POLVO | 20: always present presencia permanente | 1D | Da |
| | 21: occasional presence presencia ocasional | 2D or 1D | Db or Da |
| | 22: rare presence presencia rara | 3D, 2D or 1D | Dc, Db or Da |

fig. 1

•Group and type of temperature

Group: determines the explosion level of the gas.

Type of temperature: determines the highest acceptable surface temperature on motor surface. Overcoming such temperature implies ignition risks of either the gas or the dust.

•Grupo y clase de temperatura

Grupo: determina el nivel de explosividad de un gas.

Clase de temperatura: determina la máxima temperatura superficial admisible en la superficie del motor. Superar dicha temperatura conlleva riesgo de ignición del gas o polvo.

GASES

GASES

| EXPLOSION GROUP | TYPE OF TEMPERATURE (maximum surface temperature allowed) | | | | | |
|---|---|------------------------------------|--|------------------------------|--------|---|
| GRUPO DE EXPLOSIÓN | CLASE DE TEMPERATURA (temperatura de superficie máxima permitida) | | | | | |
| Ignition temperature Temperatura de ignición | T1 | T2 | T3 | T4 | T5 | T6 |
| | >450°C | >300°C | >200°C | >135°C | >100°C | >85°C |
| I | Methane Metano | I-amyl acetate I-amilacetato | Amyl alcohol Amilalcohol | Acetaldehyde Acetaldehído | | |
| IIA Ignition energy higher than 0,18mJ Energía de ignición mayor de 0,18mJ | Acetone Acetona | n-butane n-butano | Petrols Gasolinas | | | |
| | Ammonia Amoníaco | n-butanol n-butanol | Diesel oils Gasóleos | | | |
| | Benzene Benceno | 1-butene 1-butano | Heating oils Aceite de calefacción | | | |
| | Ethylacetate Etilacetato | Propylacetate Propilacetato | n-hexane n-hexano | | | |
| | Methane Metano | I-propanol I-propanol | | | | |
| | Methanol Metanol | Vinyl chloride Vinilclorido | | | | |
| | Propane Propano | | | | | |
| | Toluene Tolueno | | | | | |
| IIB Ignition energy 0,06 a 0,18 mJ Energía de ignición 0,06 a 0,18 mJ | Cyanide hydrogen Cianuro de hidrógeno | 1.3-butadiene -butadieno | Dimethylether Dimetileter | Diethylether Dietileter | | |
| | | 1.4-dioxane dioxano | Ethylglycol Etilglicol | | | |
| | Coal Gas (lighting gas) Gas de carbón (gas de alumbrado) | Ethylene Etileno | Sulfide hydrogen Sulfuro de hidrógeno | | | |
| | | Ethylene oxide Óxido de etileno | | | | |
| IIC Ignition energy lower than 0,06mJ Energía de ignición menor de 0,06 mJ | Hydrogen Hidrógeno | Acetylene Acetileno | | | | Carbon disulphur Disulfuro de carbón |

DUST | POLVO

| Product (dust) | Ignition temperature dust cloud | Ignition temperature for 0.19 inches dust layer | Lower explosive limit (LEL) |
|------------------------------------|---------------------------------------|---|------------------------------------|
| Producto (polvo) | Temperatura de ignición nube de polvo | Temperatura de ignición para 0.19 inches polvo depositado | Límite inferior de explosión (LEL) |
| Dust aluminium Aluminio en polvo | 530°C | 280°C | 15 g/m ³ |
| Brown dust Carbón marrón | 380°C | 225°C | 60 g/m ³ |
| Dust steel Hierro en polvo | 310°C | 300°C | 125 g/m ³ |
| Cereals Cereales | 420°C | 290°C | 60 g/m ³ |
| Wood dust Polvo de madera | 400°C | 300°C | 30 g/m ³ |
| Dust milk Leche en polvo | 440°C | 340°C | 60 g/m ³ |
| Paper Papel | 540°C | 300°C | 30 g/m ³ |
| PVC PVC | 530°C | 380°C | 60 g/m ³ |
| Soot Hollín | 620°C | 385°C | 60 g/m ³ |
| Sulfide Sulfuro | 280°C | 280°C | 30 g/m ³ |
| Starch Almidón | 440°C | 290°C | 125 g/m ³ |
| Hard coal Carbón duro | 590°C | 245°C | 60 g/m ³ |
| Wheat flour Harina de trigo | 480°C | 450°C | 125 g/m ³ |
| Dust zinc Zinc en polvo | 570°C | 440°C | 250 g/m ³ |

Maximum surface temperature.

(Necessary indication for equipment due to be used in explosive dust environments)
 Maximum surface temperature in case of failure for equipments in contact with dust:

- Temperature limit 1 = 2/3 of the minimum ignition temperature for the existing dust.
- Temperature limit 2 = Minimum ignition temperature for a 0.19 inches powder layer less 75 Kelvin.

The lowest limit temperature in both cases has to be higher than the maximum temperature on the device's surface.

For example, in a wheat flour case:

Temperature limit 1 = $2/3 \times 480 = 320 \text{ }^\circ\text{C}$

Temperature limit 2 = $450 - 75 = 375 \text{ }^\circ\text{C}$

Maximum temperature of device's surface = $320 \text{ }^\circ\text{C}$

Lower explosion limit (LEL) is in this case 125 g/m^3 . Below this concentration there's no explosion risk.

The following types of temperature are determined according the same criteria as with gas:

| TYPE OF TEMPERATURE | |
|---------------------|---|
| Type of temperature | Casing surface maximum temperature with environment temperature $40 \text{ }^\circ\text{C}$ |
| T1 | $450 \text{ }^\circ\text{C}$ |
| T2 | $300 \text{ }^\circ\text{C}$ |
| T3 | $200 \text{ }^\circ\text{C}$ |
| T4 | $135 \text{ }^\circ\text{C}$ |
| T5 | $100 \text{ }^\circ\text{C}$ |
| T6 | $85 \text{ }^\circ\text{C}$ |

Following the same wheat flour example, the type of temperature is T2.
 Furthermore, the motors (motors) for zone 21 have to be IP6X (dust tight).

The customer is responsible for defining the potential explosive zones where the fans have to be installed.

Temperatura máxima de superficie.

(Indicación necesaria para los equipos que se van a utilizar en atmósferas de polvo explosivo).

Temperatura máxima de la superficie de un dispositivo en contacto con el polvo en caso de fallo:

- Límite de temperatura 1. 2/3 de la temperatura de ignición mínima del polvo existente.
- Límite de temperatura 2. Temperatura mínima para estar al rojo vivo del polvo existente menos 75 Kelvin.

(Para Capas de hasta 0.19 inches de grosor)

El valor mas bajo de ambas temperaturas límite debe ser mayor que la temperatura máxima de superficie del dispositivo.

Por ejemplo, en el caso de la harina de trigo:

Límite de temperatura 1 = $2/3 \times 480 = 320 \text{ }^\circ\text{C}$

Límite de temperatura 2 = $450 - 75 = 375 \text{ }^\circ\text{C}$

Temperatura máxima de superficie del dispositivo = $320 \text{ }^\circ\text{C}$

El límite inferior de explosión (LEL) es en este caso 125 g/m^3 .

A continuación determinamos la clase de temperatura con el mismo criterio que en los gases:

| CLASE DE TEMPERATURA | |
|----------------------|--|
| Clase de temperatura | Máxima temperatura superficial en la carcassa con temperatura de $40 \text{ }^\circ\text{C}$ |
| T1 | $450 \text{ }^\circ\text{C}$ |
| T2 | $300 \text{ }^\circ\text{C}$ |
| T3 | $200 \text{ }^\circ\text{C}$ |
| T4 | $135 \text{ }^\circ\text{C}$ |
| T5 | $100 \text{ }^\circ\text{C}$ |
| T6 | $85 \text{ }^\circ\text{C}$ |

Siguiendo con el ejemplo de la harina de trigo, la clase de temperatura es T2
 Además, los motores para zona 21 tienen que ser IP6X (estanco al polvo).

Es responsabilidad del cliente definir las zonas potencialmente explosivas donde deban instalarse los equipos.

3. Type of motor protection for electrical equipment in explosive environments

• **IEC normative**

Depending on the type of protection of the equipment, there are several markings. They are detailed below with their respective IEC standard.

3.- Tipos de protección del motor para equipos eléctricos en atmósferas explosivas

• **Normativa IEC**

Dependiendo del tipo de protección del equipo existen varios marcajes. A continuación se detallan con su respectiva norma IEC.



| Type of protection | Marking | Standard IEC |
|---|------------|--------------|
| Tipo de protección | Marcaje | Norma IEC |
| Flameproof housing Carcasa antideflagante | d | IEC 60079-1 |
| Pressurization Presurización | px, py, pz | IEC 60079-2 |
| Intrinsic Security Seguridad Intrínseca | ia, ib, ic | IEC 60079-11 |
| Encapsulated Encapsulado | ma, mb, mc | IEC 60079-18 |
| Increased security Seguridad aumentada | eb, ec | IEC 60079-7 |
| Protection "n" Protección "n" | nA, nC, nR | IEC 60079-15 |
| Filled with dust Llenado de polvo | q | IEC 60079-5 |
| Oil immersion Inmersión aceite | 0 | IEC 60079-6 |
| Protection through enclosure Protección por recinto | ta, tb, tc | IEC 60079-31 |

fig. 3

• **Degree of IP protection (According to EN 60529)**

In case of dust, the degree of IP protection (Ingress Protection) of the equipment (motor) must be specified. Following is a guide to enter the protection codes.

- 1st digit = Protection of the person against access to hazardous parts inside enclosures and protection against the ingress of solid foreign objects.
- 2nd digit = Protection against the ingress of moisture/liquids.

• **Grado de protección IP (Según EN 60529)**

En caso de polvo, se debe especificar el grado de protección IP (Ingress Protection) del equipo (motor). Seguidamente se detalla una guía para entrar los códigos de protección.

- 1º dígito = Protección de la persona contra el acceso a partes peligrosas dentro de los recintos y protección contra la entrada de objetos extraños sólidos.
- 2º dígito = Protección contra la entrada de humedad/líquidos.

| 1ST IP Nº | 2ND IP Nº |
|--|---|
| 0 NO PROTECTION SIN PROTECCIÓN | 0 NO PROTECTION SIN PROTECCIÓN |
| 1 PROTECTED AGAINST SOLID OBJECTS 50MM OR BIGGER PROTEGIDO CONTRA OBJETOS SÓLIDOS 50MM O MÁS GRANDES | 1 PROTECTED AGAINST WATER FALLING VERTICALLY (CONDENSATION) PROTEGIDO CONTRA LA CAÍDA VERTICAL DE AGUA (CONDENSACIÓN) |
| 2 PROTECTED AGAINST SOLID OBJECTS 12MM OR BIGGER PROTEGIDO CONTRA OBJETOS SÓLIDOS 12MM O MÁS GRANDES | 2 PROTECTED AGAINST DIRECT SPRAYS UP TO 15º (VERTICAL) PROTEGIDO CONTRA ESPRAIS DIRECTOS HASTA 15º (VERTICAL) |
| 3 PROTECTED AGAINST SOLID OBJECTS 2.5MM OR BIGGER PROTEGIDO CONTRA OBJETOS SÓLIDOS 2.5MM O MÁS GRANDES | 3 PROTECTED AGAINST DIRECT SPRAYS UP TO 60º (VERTICAL) PROTEGIDO CONTRA ESPRAIS DIRECTOS HASTA 60º (VERTICAL) |
| 4 PROTECTED AGAINST SOLID OBJECTS 1MM OR BIGGER PROTEGIDO CONTRA OBJETOS SÓLIDOS 1MM O MÁS GRANDES | 4 PROTECTED AGAINST LOW PRESSURE JETS (ALL DIRECTIONS) PROTEGIDO CONTRA IMPULSOS DE BAJA PRESIÓN (TODAS DIRECCIONES) |
| 5 PROTECTED AGAINST DUST (LIMITED INGRESS) PROTEGIDO CONTRA EL POLVO (ENTRADA LIMITADA) | 5 PROTECTED AGAINST LOW PRESSURE JETS (ALL DIRECTIONS) PROTEGIDO CONTRA IMPULSOS DE BAJA PRESIÓN (TODAS DIRECCIONES) |
| 6 PROTECTED AGAINST DUST (TOTALLY) PROTEGIDO CONTRA EL POLVO (TOTALMENTE) | 6 PROTECTED AGAINST HIGH PRESSURE JETS (ALL DIRECTIONS) PROTEGIDO CONTRA IMPULSOS DE ALTA PRESIÓN (TODAS DIRECCIONES) |
| | 7 PROTECTED AGAINST IMMERSION (15CM-1M) PROTEGIDO CONTRA INMERSIÓN (15CM-1M) |
| | 8 PROTECTED AGAINST IMMERSION UNDER PRESSURE PROTEGIDO CONTRA INMERSIÓN BAJO PRESIÓN |

fig. 4

4.- ATEX product marking

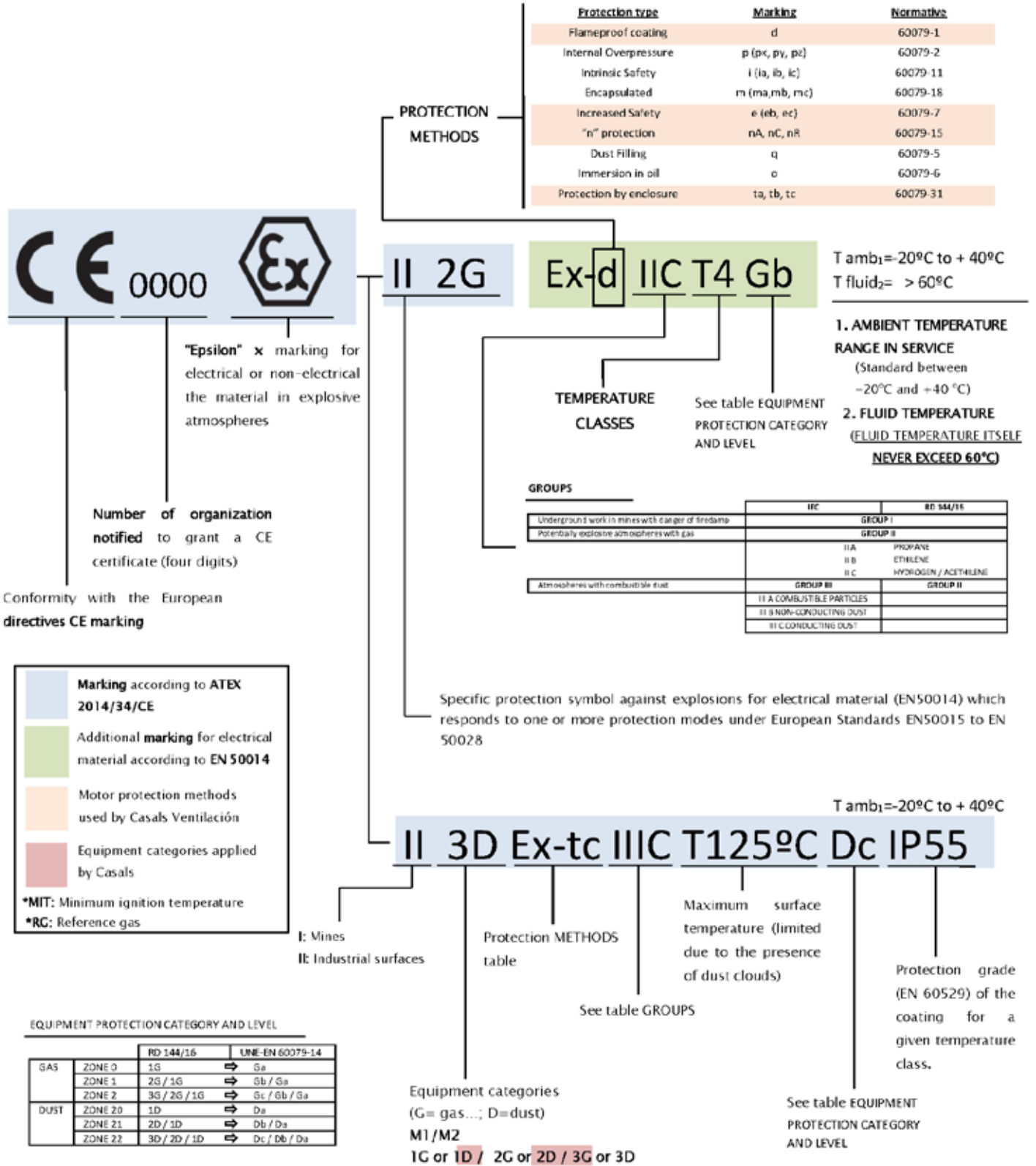


fig. 5

4.- Marcaje del producto ATEX

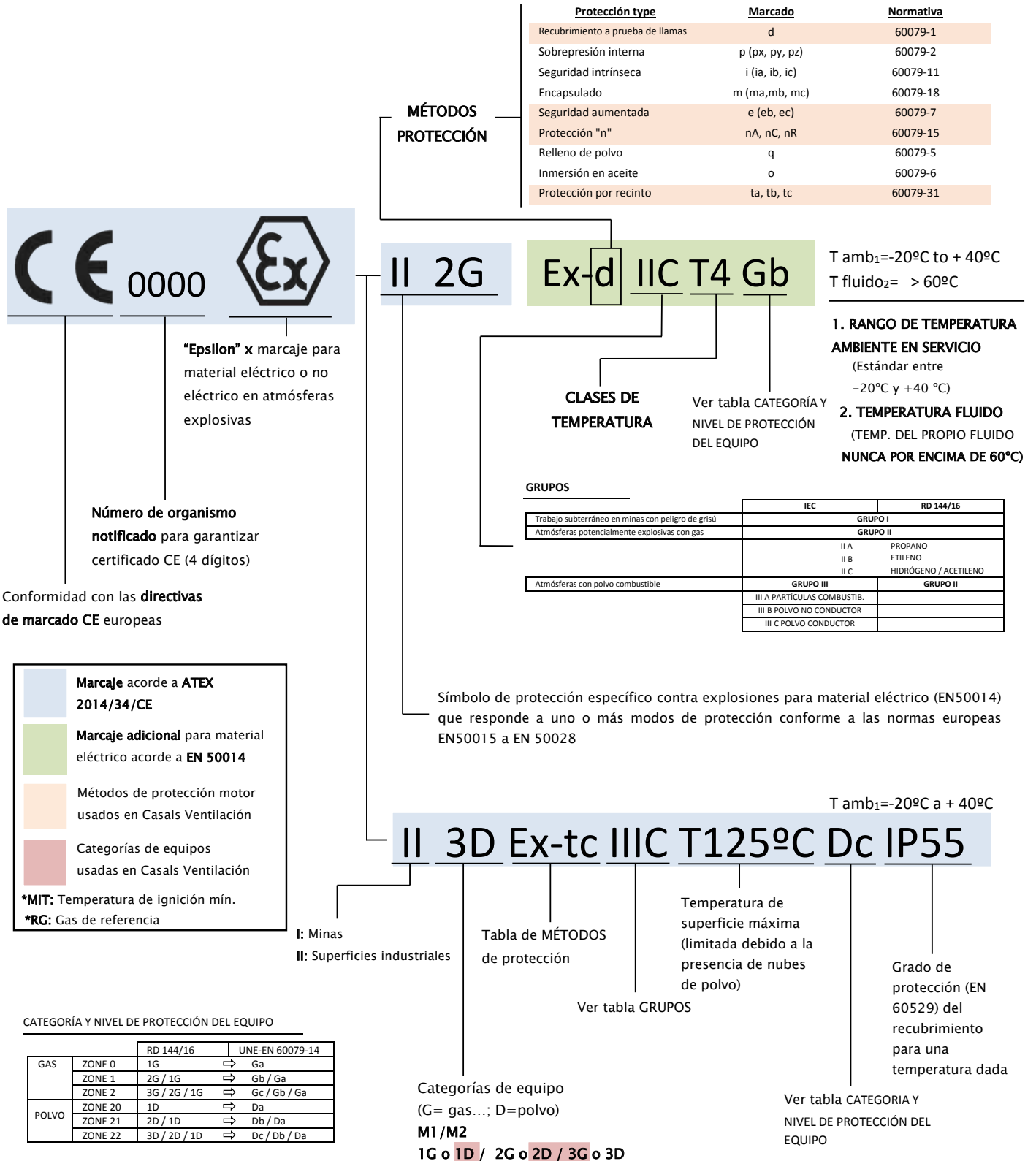


fig. 5

5 - Order form for ATEX fans

Whenever you request information / an offer from a fan or ATEX equipment, Casals will request the following form to compliment.

ENTRY FORM / ATEX EQUIPMENT

| | | | |
|---------------------------|--|----------------|--|
| Company | | | |
| Contact person / position | | | |
| Industrial sector | | | |
| Telephone | | e-mail address | |

Do you know the ATEX marking (group / category / group of gas-dust / temperature class, etc.)? If so, specify it below.

CE

Ex

Example 1 GAS CE Ex II 2G Ex-d IIC T4 Gb // **Example 2 DUST** CE Ex II 3D Ex-tc IIIC T125°C Dc IP55

If you do not know the fan/product marking, please fill in the following form:

| TYPE OF ATEX SUBSTANCE (EXPLOSIVE ATMOSPHERE) | | | |
|--|---|---|--|
| <input type="checkbox"/> GAS (G) | | <input type="checkbox"/> DUST (D) | |
| GAS (type) | <i>See fig. 2</i> | DUST (type) | <i>See fig. 2</i> |
| ZONE | | | |
| ZONA 1 (II 2G or Gb) <input type="checkbox"/> | ZONA 2 (II 3G or Gc) <input type="checkbox"/> | ZONA 21 (II 2D or Db) <input type="checkbox"/> | ZONA 22 (II 3D or Dc) <input type="checkbox"/> |
| <i>See fig. 1</i> | | <i>See fig. 1</i> | |
| OTHER DATA | | | |
| Gas explosión group | | Dust group | |
| IIA <input type="checkbox"/> IIB <input type="checkbox"/> IIC <input type="checkbox"/> | | IIIA <input type="checkbox"/> IIIB <input type="checkbox"/> IIIC <input type="checkbox"/> | |
| <i>See fig. 2</i> | | <i>See fig. 2</i> | |
| IGNITION TEMPERATURE | | | |
| GAS class temperature* | GAS ignition temperature* | Ignition temperature of dust cloud | Ignition temperature for 5mm dust |
| <i>See fig. 3</i> T1 <input type="checkbox"/> T2 <input type="checkbox"/> T3 <input type="checkbox"/> T4 <input type="checkbox"/> T5 <input type="checkbox"/> T6 <input type="checkbox"/> | <input style="width: 40px;" type="text"/> °C | <input style="width: 40px;" type="text"/> °C | <input style="width: 40px;" type="text"/> °C |
| *Especificando uno de los dos datos es suficiente | | | |
| MOTOR PROTECTION METHODS (if they are known or they are special requirements) | | | |
| Ex-d <input type="checkbox"/> Ex-e (eb, ec) <input type="checkbox"/> Ex-nA,nC,nR <input type="checkbox"/> Ex-ta, tb, tc <input type="checkbox"/> Other (specify) <input style="width: 80px;" type="text"/> <i>See fig. 4</i> | | | |
| OTHER DATA OF INTEREST OR OBSERVATIONS (IP65 motor, ambient temperature different to the range -20°C to +40°C, max. fluid temperature higher than 60°C, altitude where the equipment is installed, abrasive/corrosive dust, corrosive gas, etc.) | | | |
| | | | |

IMPORTANT: It is the customer's responsibility to correctly define the potentially explosive areas where the equipment must be installed.

Mr. / Mrs. declares that all the data reflected in this application form of ATEX equipment for work in explosive atmospheres are true and signs and seals as a sign of compliance with them:

Date:

Seal and signature:

5 - Formulario de pedido para ventiladores ATEX

Siempre que se pida información/oferta de un ventilador o equipo ATEX, Casals solicitará el siguiente formulario para complimentar.

SOLICITUD DE VENTILADOR/EQUIPO ATEX

| | | | |
|--------------------------|--|--------------------|--|
| Empresa | | | |
| Persona contacto / cargo | | | |
| Sector industrial | | | |
| Teléfono | | Correo electrónico | |

Conoce usted el marcaje ATEX (grupo/categoría/grupo de gas-polvo/ clase de temperatura, etc.)? Si es así especifíquelo a continuación.



Ejemplo 1 GAS  // **Ejemplo 2 POLVO** 

En caso de no conocer el marcaje del ventilador/producto, por favor, rellene el siguiente formulario:

| TIPO DE SUSTANCIA ATEX (ATMOSFERA EXPLOSIVA) | | | |
|---|----------------------------------|---|---|
| <input type="checkbox"/> GAS (G) | | <input type="checkbox"/> POLVO (D) | |
| GAS (tipo) | Ver fig. 2 | POLVO (tipo) | Ver fig. 2 |
| ZONA | | | |
| ZONA 1 (II 2G ó Gb) <input type="checkbox"/> | | ZONA 2 (II 3G ó Gc) <input type="checkbox"/> | |
| Ver fig. 1 | | Ver fig. 1 | |
| ZONA 21 (II 2D ó Db) <input type="checkbox"/> | | ZONA 22 (II 3D ó Dc) <input type="checkbox"/> | |
| Ver fig. 1 | | Ver fig. 1 | |
| OTROS DATOS | | | |
| Grupo explosión gas | | Grupo de polvo | |
| IIA <input type="checkbox"/> IIB <input type="checkbox"/> IIC <input type="checkbox"/> | | IIIA <input type="checkbox"/> IIIB <input type="checkbox"/> IIIC <input type="checkbox"/> | |
| Ver fig. 2 | | Ver fig. 2 | |
| TEMPERATURAS IGNICIÓN | | | |
| Clase de temperatura del GAS* | Temperatura de ignición del GAS* | Temperatura de ignición nube de polvo | Temperatura de ignición para 5mm de polvo |
| T1 <input type="checkbox"/> T2 <input type="checkbox"/> T3 <input type="checkbox"/> | <input type="text"/> °C | <input type="text"/> °C | <input type="text"/> °C |
| T4 <input type="checkbox"/> T5 <input type="checkbox"/> T6 <input type="checkbox"/> | | | |
| *Especificando uno de los dos datos es suficiente | | | |
| MÉTODOS PROTECCIÓN MOTOR (si se conocen o son requerimientos especiales) | | | |
| Ex-d <input type="checkbox"/> Ex-e (eb, ec) <input type="checkbox"/> Ex-nA,nC,nR <input type="checkbox"/> Ex-ta, tb, tc <input type="checkbox"/> Otros <input type="text"/> (especificar) Ver fig. 4 | | | |
| OTROS DATOS DE INTERÉS U OBSERVACIONES (motor IP65, temperatura ambiente diferente al rango -20°C a +40°C, Temperatura max.fluido superior a 60°C, altitud dónde va instalado el equipo, polvo a vehicular abrasivo/corrosivo, gas corrosivo, etc.) | | | |
| | | | |

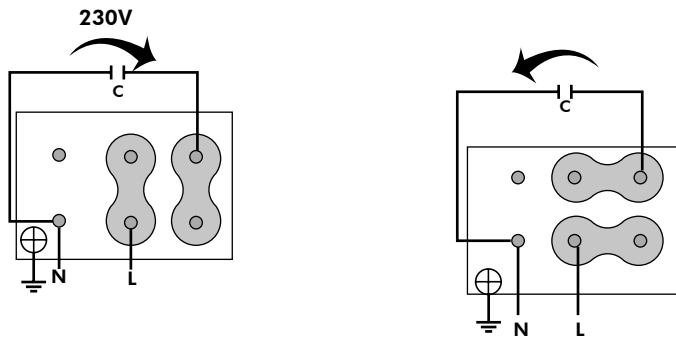
IMPORTANTE: Es responsabilidad del cliente definir correctamente las zonas potencialmente explosivas donde deban instalarse los equipos.

El Sr./ Sra..... declara que todos los datos reflejados en este formulario de solicitud de equipo ATEX para trabajo en atmosferas explosivas son ciertos y firma y sella en señal de conformidad con los mismos:

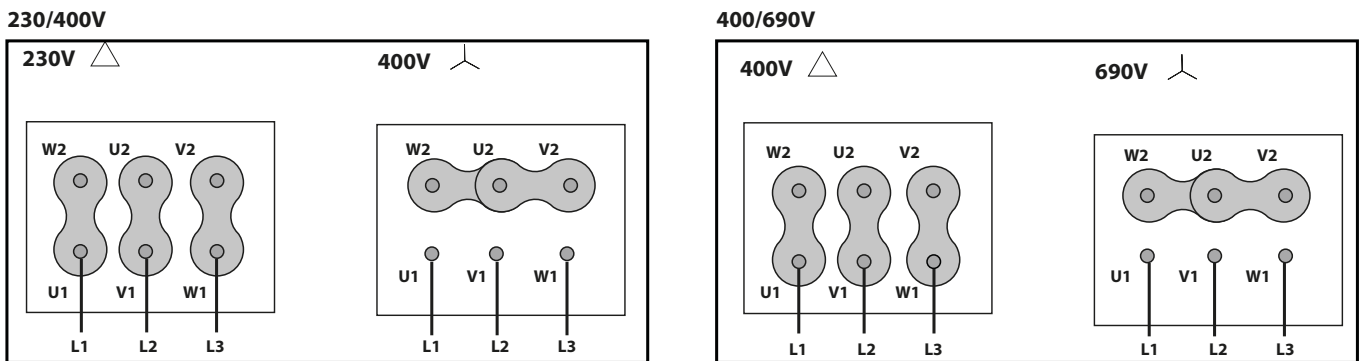
Fecha:

Sello y firma:

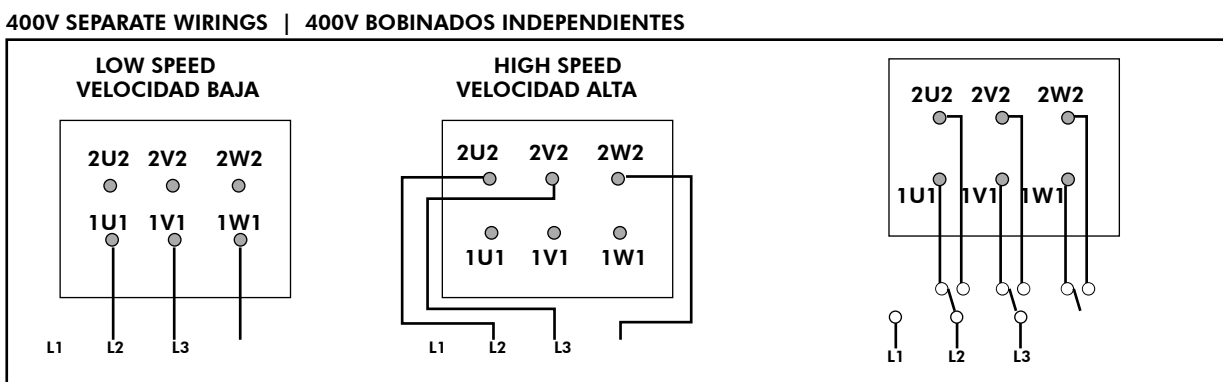
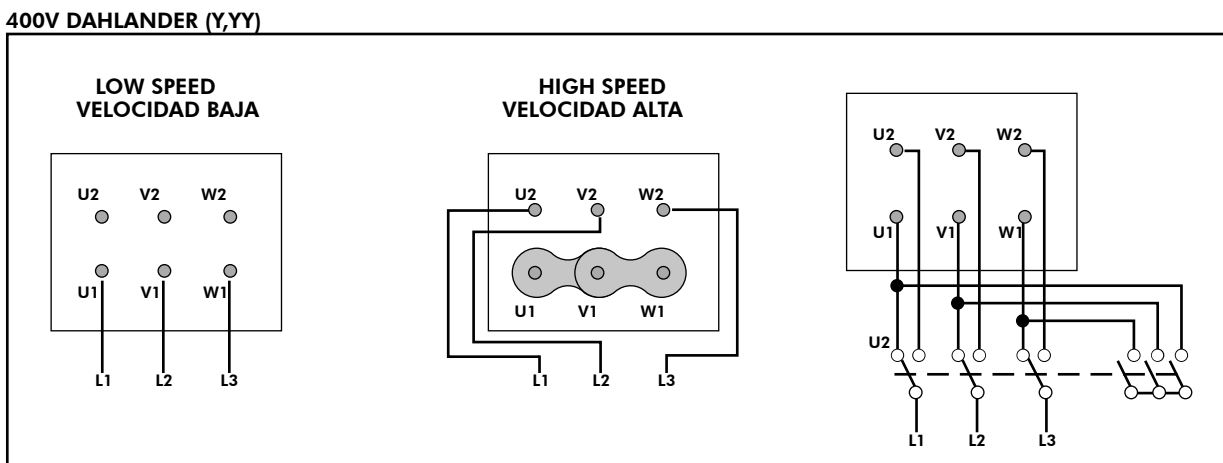
■ **SINGLE PHASE MOTORS | MOTORES MONOFÁSICOS**



■ **THREE PHASE MOTORS | MOTORES TRIFÁSICOS**

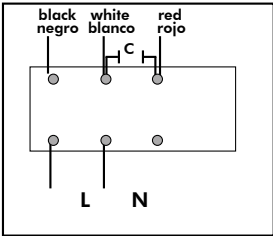


■ **2 SPEEDS MOTORS | MOTORES 2 VELOCIDADES**

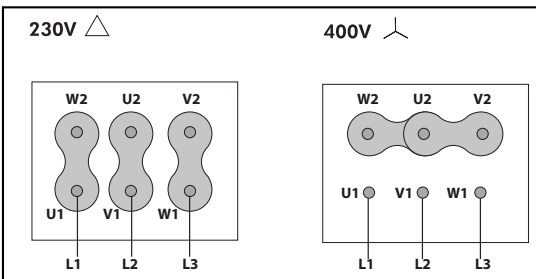


■ **BD FAN | VENTILADOR BD**

SINGLE PHASE MOTOR | MOTOR MONOFÁSICO



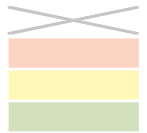
THREE PHASE MOTOR | MOTOR TRIFÁSICO



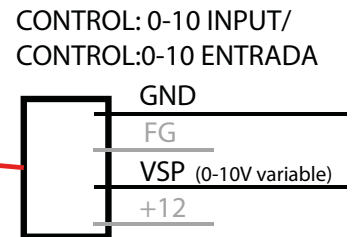
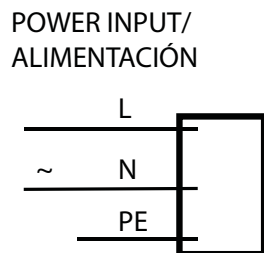
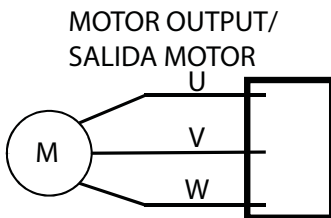
Compatibility chart BD-REG | Tabla de compatibilidad BD-REG

| | I (A) | REG 1,5A | REG 3A | REG 5A | REG 10A |
|--------------------|-------|----------|--------|--------|---------|
| BD 7/7 M4 0,12kW | 1,5 | | | | |
| BD 7/7 M6 0,04kW | 0,6 | | | | |
| BD 9/7 M4 0,35kW | 2,7 | | | | |
| BD 9/7 M6 0,12kW | 1,2 | | | | |
| BD 9/9 M4 0,35kW | 2,7 | | | | |
| BD 9/9 M6 0,12kW | 1,2 | | | | |
| BD 10/8 M4 0,59kW | 4,5 | | | | |
| BD 10/8 M6 0,19kW | 2 | | | | |
| BD 10/10 M4 0,59kW | 4,5 | | | | |
| BD 10/10 M6 0,19kW | 2 | | | | |
| BD 12/9 M6 0,79kW | 6,2 | | | | |
| BD 12/12 M6 0,79kW | 6,2 | | | | |

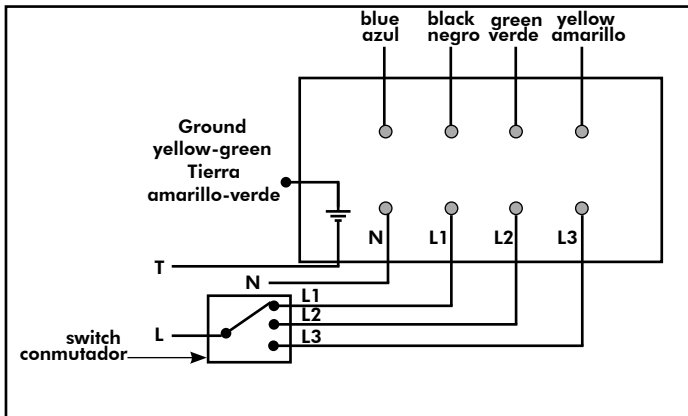
Excessive motor current | Corriente motor excesiva
 Bad regulation | Mala regulación
 Good regulation | Buena regulación
 Optimum regulation | Óptima regulación



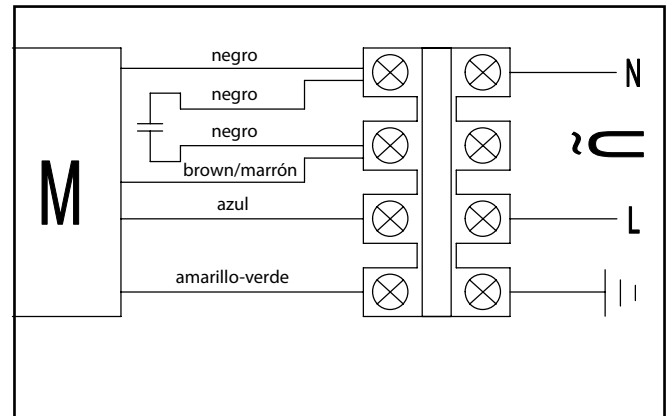
■ **RFEC**



■ **3 SPEED BD FAN | BD 3 VELOCIDADES**

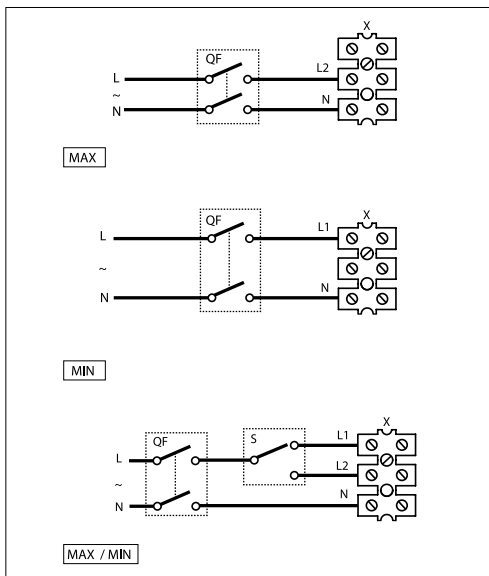


■ **SB-2**

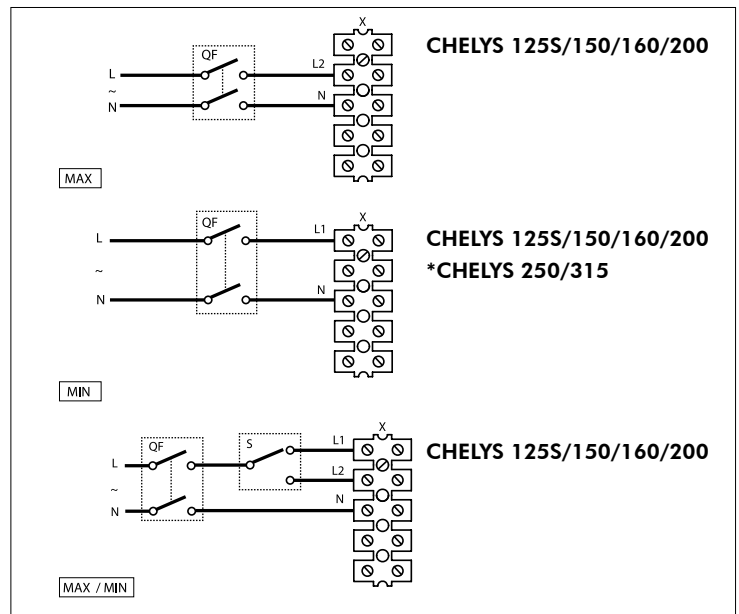


■ **CHELYS FAN | VENTILADORES CHELYS**

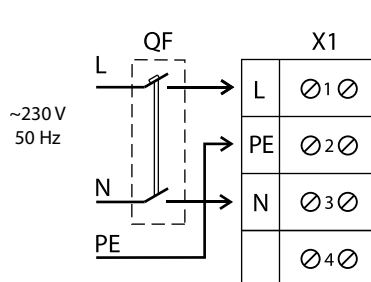
CHELYS 100-125



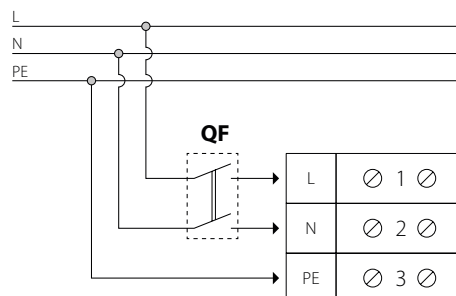
CHELYS 125S/150/160/200/250*/315*



■ **BT-3**

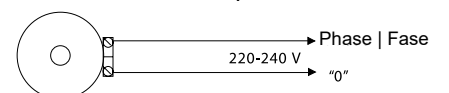


■ **BT-3 EEC**

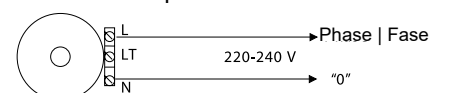


■ **DOMESTIC RANGE | GAMA DOMÉSTICA**

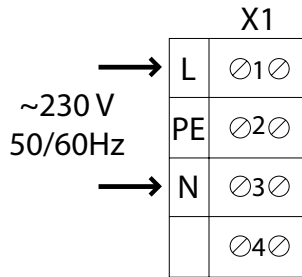
Standard connection | Conexión estándar



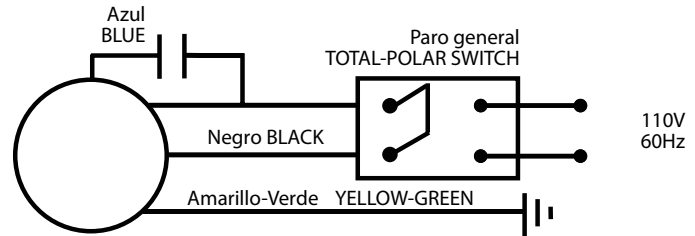
Timer version | Versión con timer



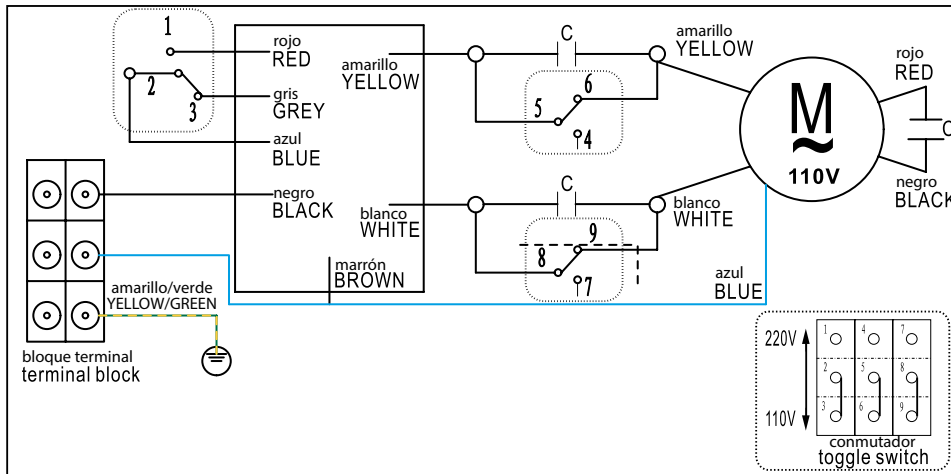
■ **BT ROOF 2 SB**



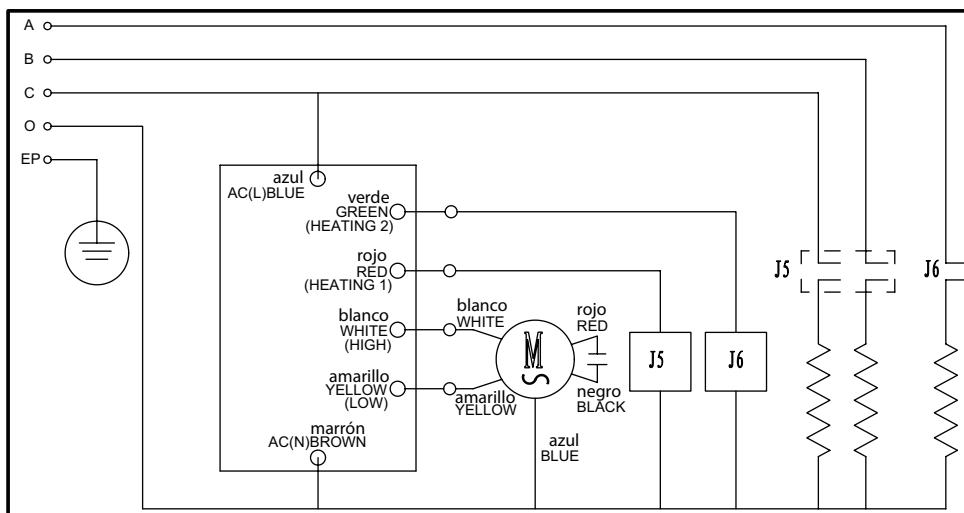
■ **ESTELA**



■ **COURSALIS**



■ **COURSALIS E**



ASSEMBLY ORIENTATIONS

ORIENTACIONES DE MONTAJE

Standard industrial fan range assembly orientation is LG270. Anyway, the desired orientation must be indicated when placing the order.

The viewer is located in front of the motor.

La orientación de montaje por defecto de los ventiladores de gama industrial es LG270. De todos modos, debe indicarse en el pedido la orientación deseada.

Figuras vistas frente al motor.

