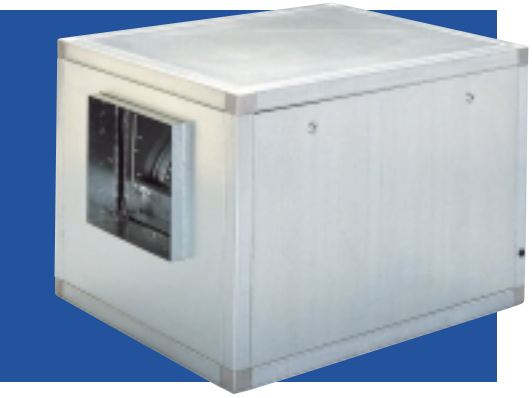
CAJAS DESMONTABLES
Serie UPE-CM-Desmontable



UPE-CM DESMONTABLE

DESCRIPCION
La unidad plenum de extracción conocida tambien como ventilo-canal, es un grupo de ventilación compacto que permite la extracción y/o filtrado de aire y gases con un costo reducido y un sencillo montaje.
Están equipadas con ventiladores centrífugos de baja presión con motor incorporado.
Disponible con:
- Motores en 4 ó 6 polos en monofásicos.
- Motores 6 polos trifásicos.

La gama UPE-CM-Desmontable cubre un margen de caudales de 500 a 6500 m^3/h.

APLICACIONES
Ventilación general de locales tales como:
- Comercios
- Despachos
- Restaurantes
- Cocinas industriales.

CONSTRUCCIÓN
Se constituye de los siguientes elementos:
- Plenum de chapa de acero galvanizado, ensamblado por ángulos (escuadras) de aleación de aluminio y paneles fabricados con aislamiento termoacústico de gran calidad a base de Melamina.
- Panel/compuerta de registro con cierres de presión.
- Soportes antivibratorios para amortiguar las vibraciones que produce el grupo motoventilador en la estructura.
- Junta flexible (opcional en KIT/desmontado) en la boca de impulsión.
- Chasis/bastidor (opcional KIT/desmontado) para las unidades cuya potencia haga necesario este elemento.

Cajas
Cajas de chapa de acero galvanizado de gran espesor, aisladas con espuma no inflamable (M1).
El acceso al ventilador se realiza a través de 2 puertas laterales.
Un prensaestopa en la cara lateral facilita el paso del cable eléctrico.

Ventiladores
Ventiladores centrífugos de baja presión con motor incorporado y rodetes de álabes hacia adelante, construidos en acero galvanizado y equilibrados de forma dinámica.

Motores
Montados por medio de un soporte a uno de los oídos de aspiración del ventilador:
- Monofásicos de condensador permanente 230 V 50 Hz
- Trifásicos 230/400 V 50 Hz.
- Protección térmica (de rearme automático para los monofásicos).

ELEMENTOS OPCIONALES
Las dimensiones standard pueden modificarse, bajo pedido o plano del cliente.
Panel de aspiración ciego o con aspiración circular.
Panel de impulsión y/o aspiración con montaje en posición vertical.
El montaje del filtro se realiza por medio de guías en la entrada de aspiración, y es facilitada su extracción por la compuerta de registro.
- Panel de protección en intemperie.

Para aquellos casos en que la unidad de extracción se monte en el exterior puede suministrarse un panel con forma de punta de diamante que, colocado sobre el plenum, evita la entrada de agua en caso de lluvia.

UPE-CM FLEXIBLE

DIRECT-DRIVE CENTRIFUGAL ACOUSTIC FAN CABINETS UPECM-FLEXIBLE Series

DESCRIPTION

The UPECM FLEXIBLE series of acoustic centrifugal cabinet fans offer an ideal and cost effective ventilation solution for the extract or supply of non-hazardous airstreams. The range consists of 7 nominal model sizes all of which include direct-drive, low pressure double inlet forward curved centrifugal fans. Due to the flexible, nature of the design and construction; the UPECM FLEXIBLE series can be supplied to accomodate specific customer or installation requirements (see Special Options).
The UPECM FLEXIBLE range are available with:

- Single phase motors in 4 or 6 pole speeds.
- Three phase motors in 6 pole speeds.

Airflow performance for the UPECM series fans ranges from 500 up to 6,500 m^3/hr.

APPLICATIONS

The UPECM series of fans are suitable for many ducted noise sensitive ventilation applications, including the ventilation of:

- Offices.
- Factory units.
- Restaurants.
- Cafes and bars.
- Shops.

CONSTRUCTION

All UPECM FLEXIBLE fans include the following specifications:

- Casings are manufactured using a flexible design, robust galvanised sheet steel profile and panel construction secured with die cast aluminium corners. All top, base and side panels include a layer of high grade Melamine acoustic attenuating insulation.
- The fan and motor assembly can be accessed through either of the side panels which include pressure lock fixings.
- All fan-impeller assemblies are mounted on anti-vibration mountings within the cabinet.
- All internal fan-impeller assemblies are connected to the discharge with a flexible connecting flange.
- Internal base frame for large power motors.

Casing

All UPECM fan casings are manu-factured from fabricated galvanised sheet steel and internally lined with high grade Melamine (M1 flame retardant type) acoustic insulation material.

The UPECM casing design enables the fan to be accessed from both side panels, without having to remove the casing from the ducting.
A wiring entry grommet is provided on the duct outlet panel to facilitate wiring and installation.

Fan / Impeller

All UPECM cabinet fans include, as standard, low pressure forward curved centrifugal fan impellers manufactured from pressed and formed galvanised sheet steel. All impellers are factory fitted to the motors and dynamically balanced to minimise vibration.

Motors

All motors are directly mounted to the impeller scroll inlet by a tough electro-welded support frame. The following electrical specifications apply:

- Single Phase, capacitor run and start, 230V 50Hz.
- Three Phase, 230/400V 50Hz.
- All models include a Safety Thermal Overload protection device. (auto-reset type on single phase motors).

SPECIAL OPTIONS - PLEASE ENQUIRE

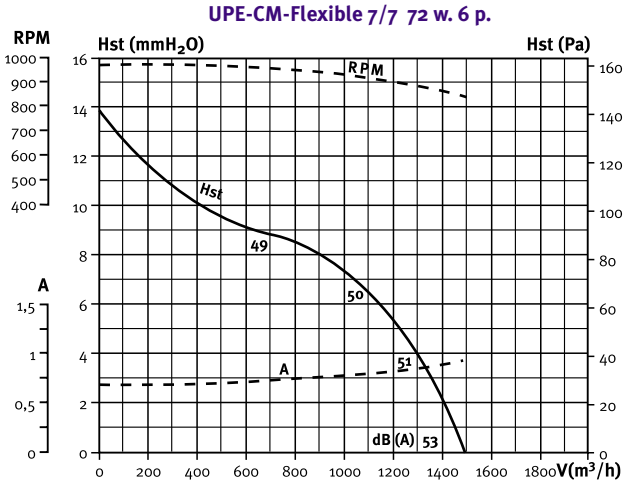
The UPECM FLEXIBLE range can be manufactured to customer specific dimensions or specifications.
The inlet panel can be supplied with or without a rectagular ducting flange, or with a circular ducting flange connector of various diameters.
Both inlet and / or discharge ports can be supplied in a vertical format.

A panel filter can be included, fitted integrally on the inlet side of the unit which can be accessed through either of the side panels as per the motor assembly.
Weathering protection panels. For applications where the unit is intended for exterior mounted installations, special panels can be supplied to eliminate the entry of water.

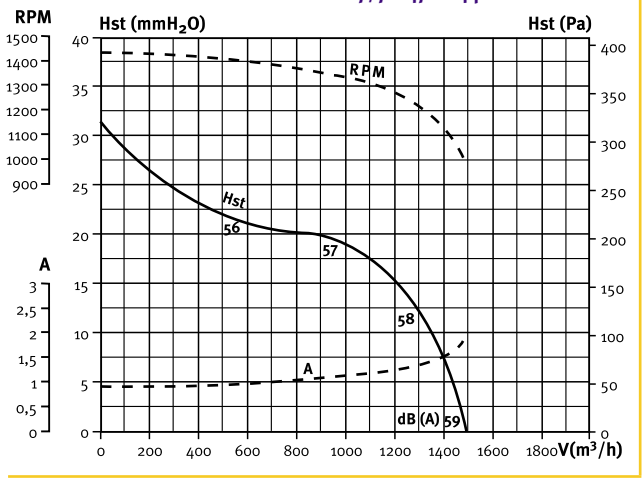
CURVAS CARACTERISTICAS / TECHNICAL CHARACTERISTICS

Hst	mm H_2O - Pa (N/m^2)	Presión estática Static Pressure
η	R.P.M.	Revoluciones rodete Speed
V	m^3/h	Caudal de aire Airflow
dB (A)	Decibel	Nivel sonoro (a 1 metro) Sound Level @ 1 m
A	Amperios	Intensidad Current

UPE-CM-Desmontable 7/7 72 w. 6 p.
UPE-CM-Flexible 7/7 72 w. 6 p.

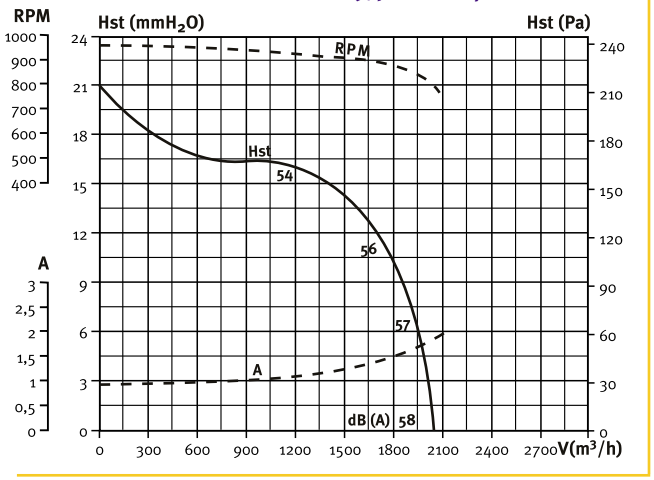


UPE-CM-Desmontable 7/7 147 w. 4 p.
UPE-CM-Flexible 7/7 147 w. 4 p.

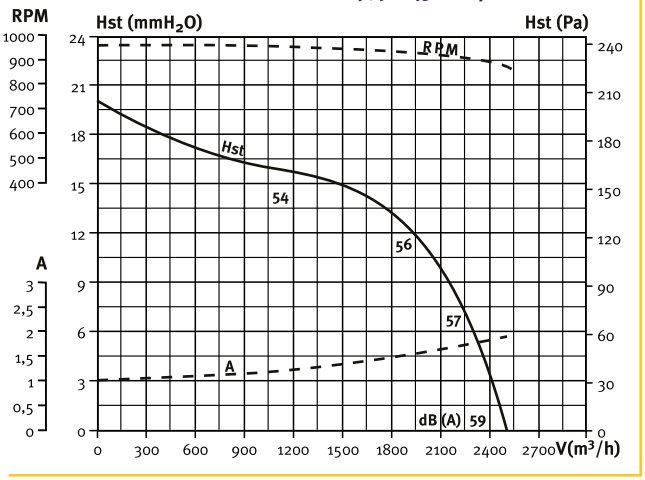


CURVAS CARACTERISTICAS / TECHNICAL CHARACTERISTICS

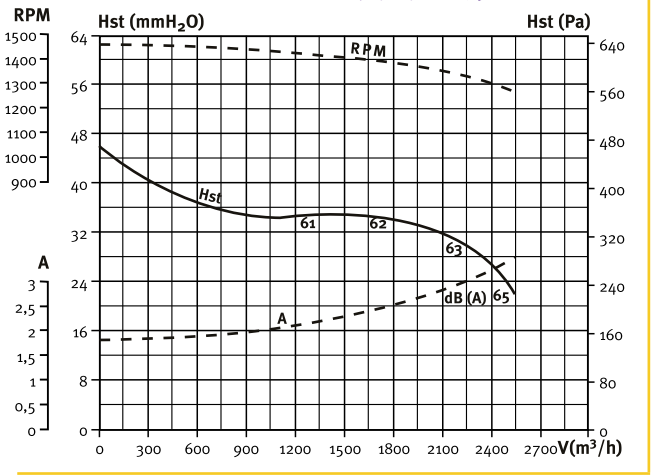
UPE-CM-Desmontable 9/7 122 w. 6 p.
UPE-CM-Flexible 9/7 122 w. 6 p.



UPE-CM-Desmontable 9/7 245 w. 6 p.
UPE-CM-Flexible 9/7 245 w. 6 p.



UPE-CM-Desmontable 9/7 373 w. 4 p.
UPE-CM-Flexible 9/7 373 w. 4 p.



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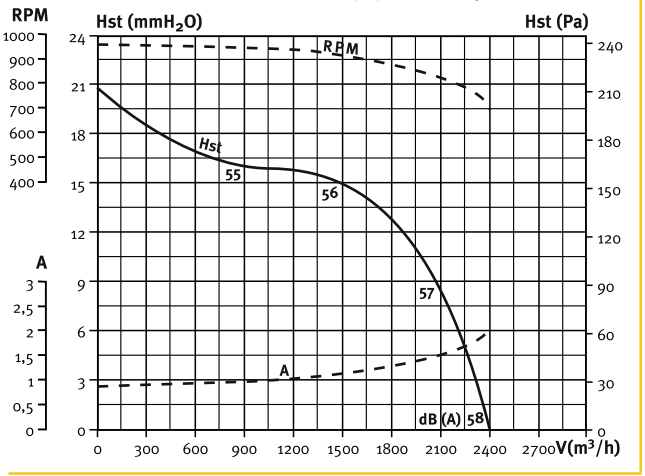
UPE-CM-Flexible 9/9 122 w. 6 p.



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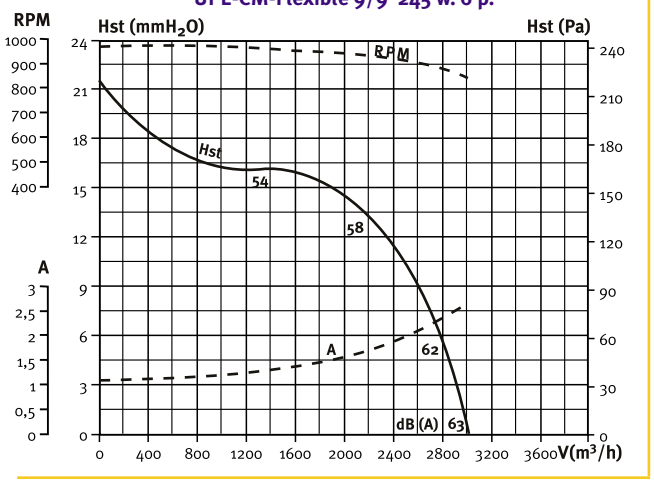

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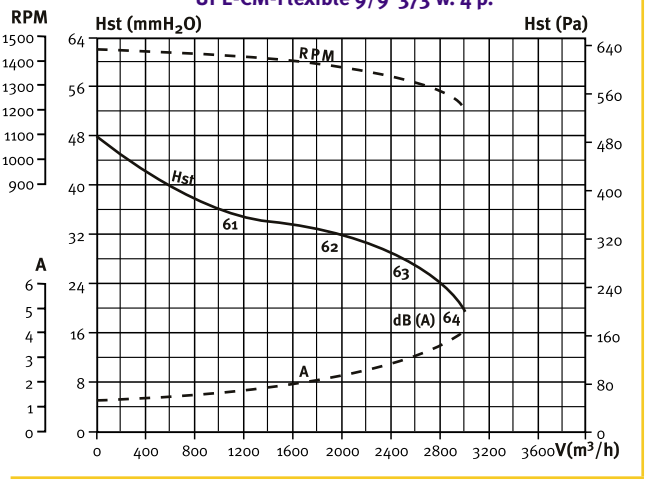
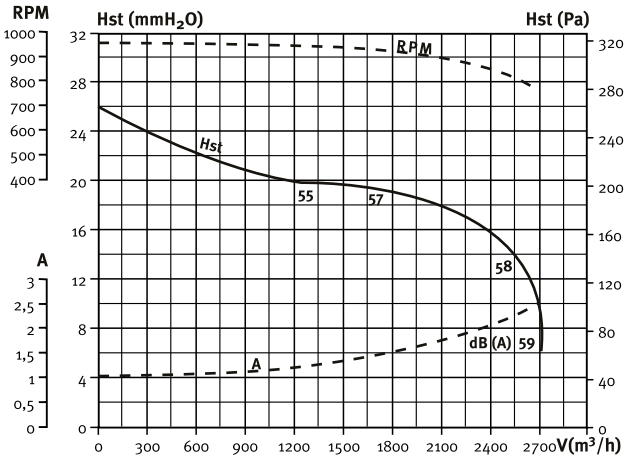
UPE-CM-Flexible 9/9 373 w. 4 p.



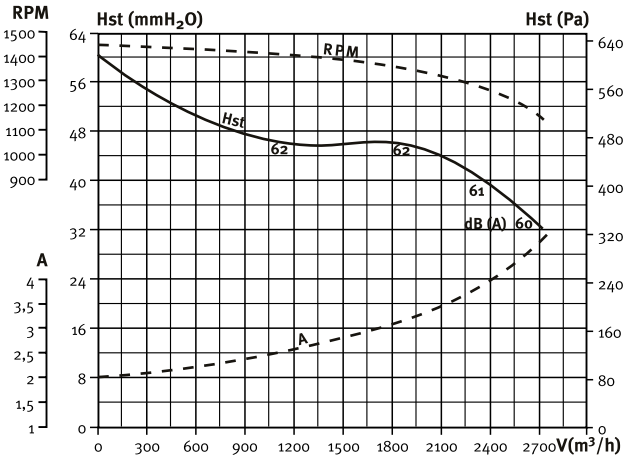
CHAYSOL

CURVAS CARACTERISTICAS / TECHNICAL CHARACTERISTICS

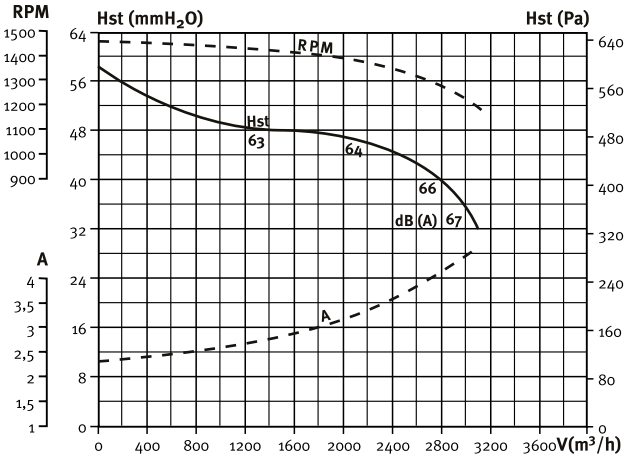
UPE-CM-Desmontable 10/8 245 w. 6 p.
UPE-CM-Flexible 10/8 245 w. 6 p.



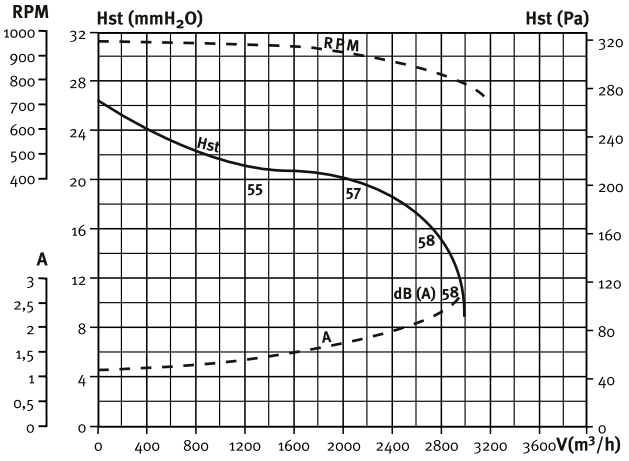
UPE-CM-Desmontable 10/8 373 w. 4 p.
UPE-CM-Flexible 10/8 373 w. 4 p.



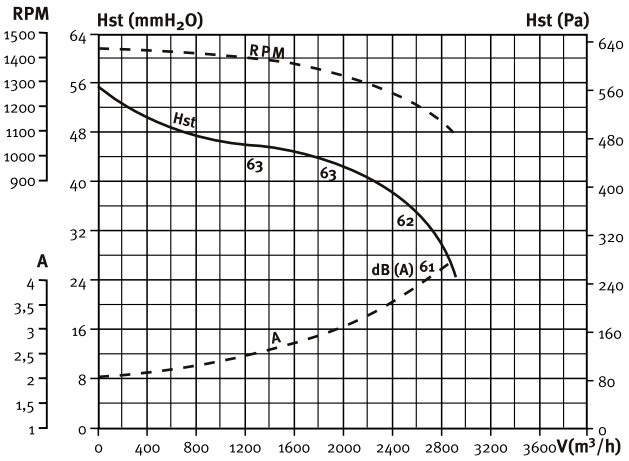
UPE-CM-Desmontable 10/8 550 w. 4 p.
UPE-CM-Flexible 10/8 550 w. 4 p.



UPE-CM-Desmontable 10/10 245 w. 6 p.
UPE-CM-Flexible 10/10 245 w. 6 p.



UPE-CM-Desmontable 10/10 373 w. 4 p.
UPE-CM-Flexible 10/10 373 w. 4 p.



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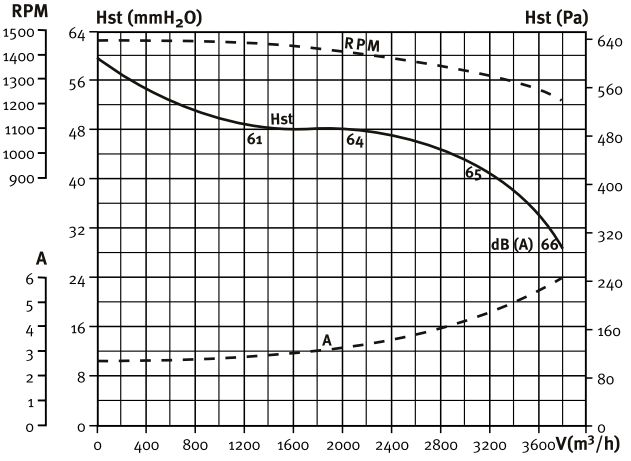
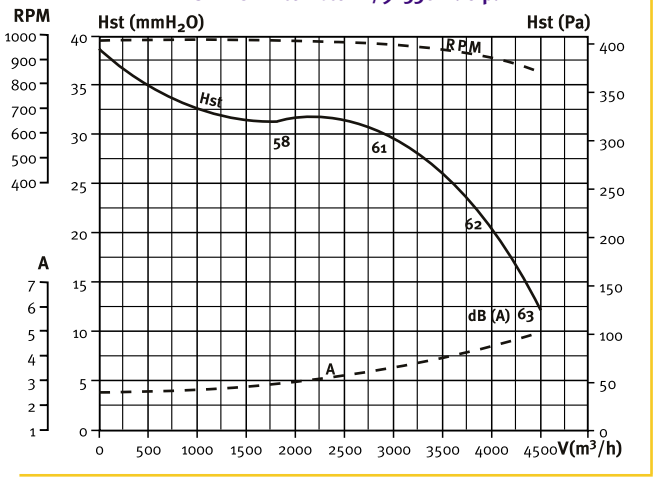
UPE-CM-Flexible 10/10 550 w. 4 p.

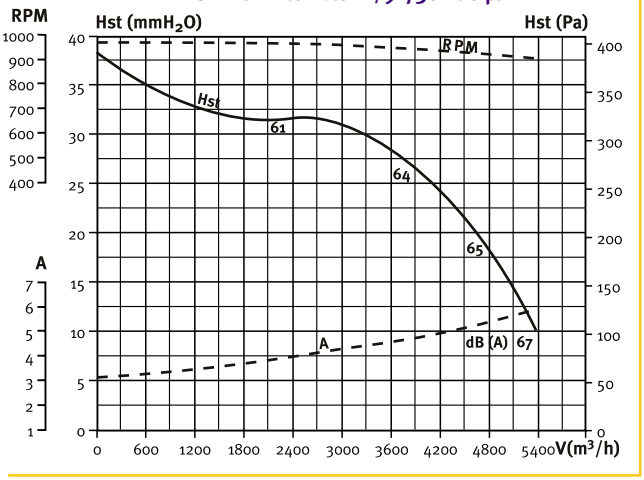


CURVAS CARACTERISTICAS / TECHNICAL CHARACTERISTICS

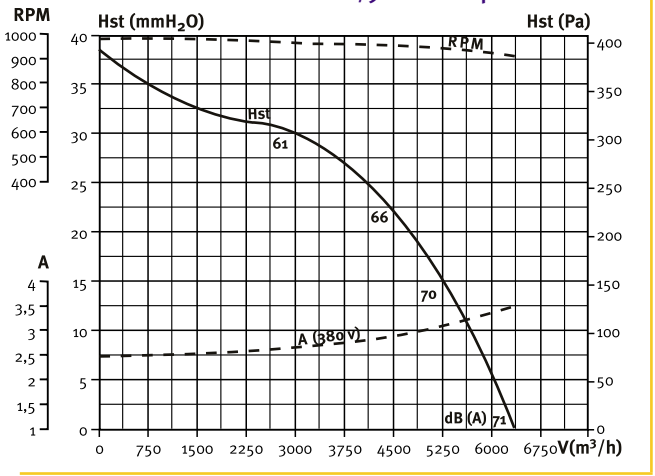
UPE-CM-Desmontable 12/9 550 w. 6 p.
UPE-CM-Flexible 12/9 550 w. 6 p.



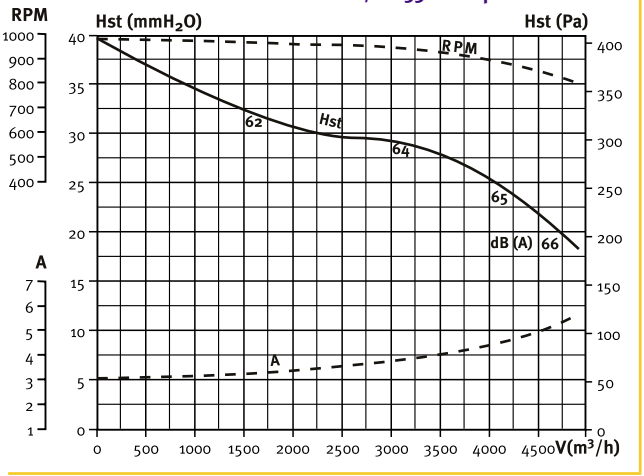
UPE-CM-Desmontable 12/9 736 w. 6 p.
UPE-CM-Flexible 12/9 736 w. 6 p.



UPE-CM-Desmontable 12/9 1100 w. 6 p. Trif.
UPE-CM-Flexible 12/9 1100 w. 6 p. Trif.



UPE-CM-Desmontable 12/12 550 w. 6 p.
UPE-CM-Flexible 12/12 550 w. 6 p.



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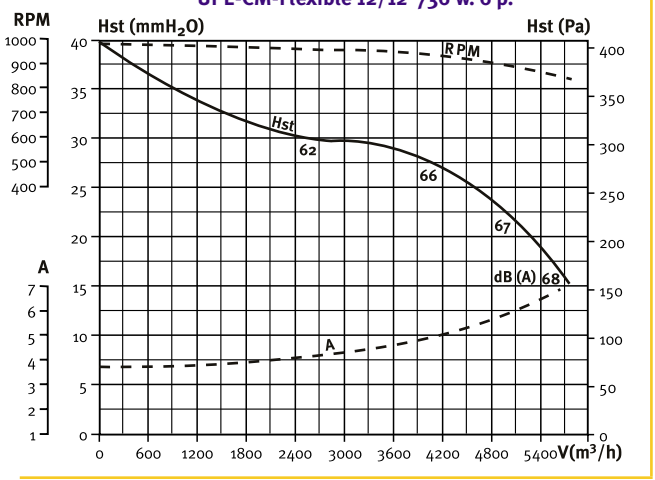

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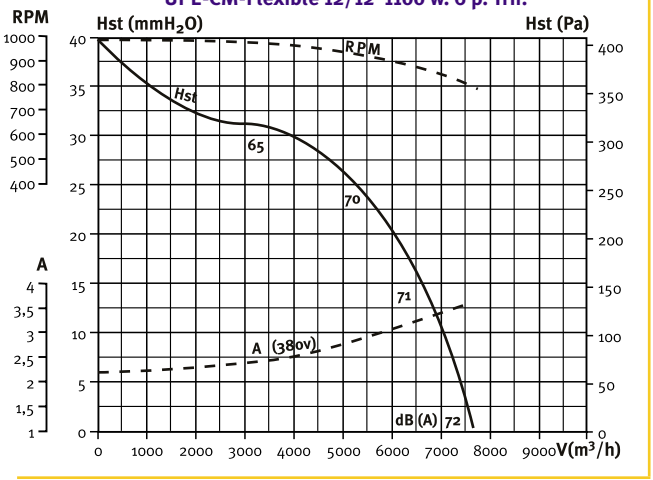
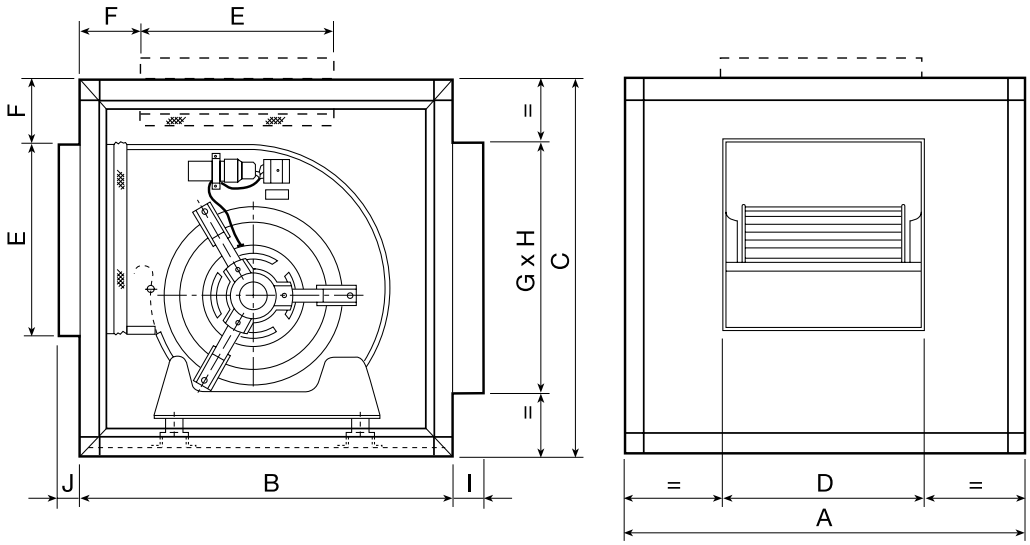


CHAYSOL

DIMENSIONES (mm) / DIMENSIONS (mm)



Modelo/Model Type	A	B	C	D	E	F	G	H	I	J
7/7 H. y/and V.	554	483	483	232	222	92	325	325	40	30
9/7 H. y/and V.	605	554	554	232	260	96	400	400	40	30
9/9 H. y/and V.	605	554	554	300	260	96	400	400	40	30
10/8 H. y/and V.	710	605	605	266	289	94	450	450	40	30
10/10 H. y/and V.	710	605	605	333	289	94	450	450	40	30
12/9 H. y/and V.	775	675	675	311	341	82	500	500	40	30
12/12 H. y/and V.	775	675	675	396	341	82	500	500	40	30

H.: Impulsión Horizontal / Horizontal Discharge

V.: Impulsión Vertical / Vertical Discharge