

VORTICENT CMS ATEX 40/16 T4 7,5kW Zone 2: FAN (Ex h IIB T3 Gc) + MOTOR (Ex ec IIC T3 Gc)

GENERAL DATA



CENTRIFUGAL MEDIUM PRESSURE ATEX FAN

MANUFACTURING FEATURES

- Rolling steel sheet housing.
- Completely joined or welded housing.
- Galvanised steel sheet simple inlet forward curved impeller.
- Polyester powder finishing coat.
- Inlet sparkproof ring made of copper or aluminium.
- ATEX standard asynchronous motor. ATEX certified according to the zone. IP55 protection, and 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.

- Available positions (to be indicated in case of order): LG270, LG0, LG45, LG90, LG135, LG180, LG225, LG315, RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315.
- The indicated codes correspond to the model in position LG270

APPLICATIONS

Designed for inline installation, they are suitable for:

- Ventilation in indoor environments classified as ATEX
- Working temperature: ambient from -20°C to 40°C, transported air according to the ATEX classification.
- Suitable for transporting totally clean air without dust.

UNDER REQUEST

- 60Hz fans and special voltages.

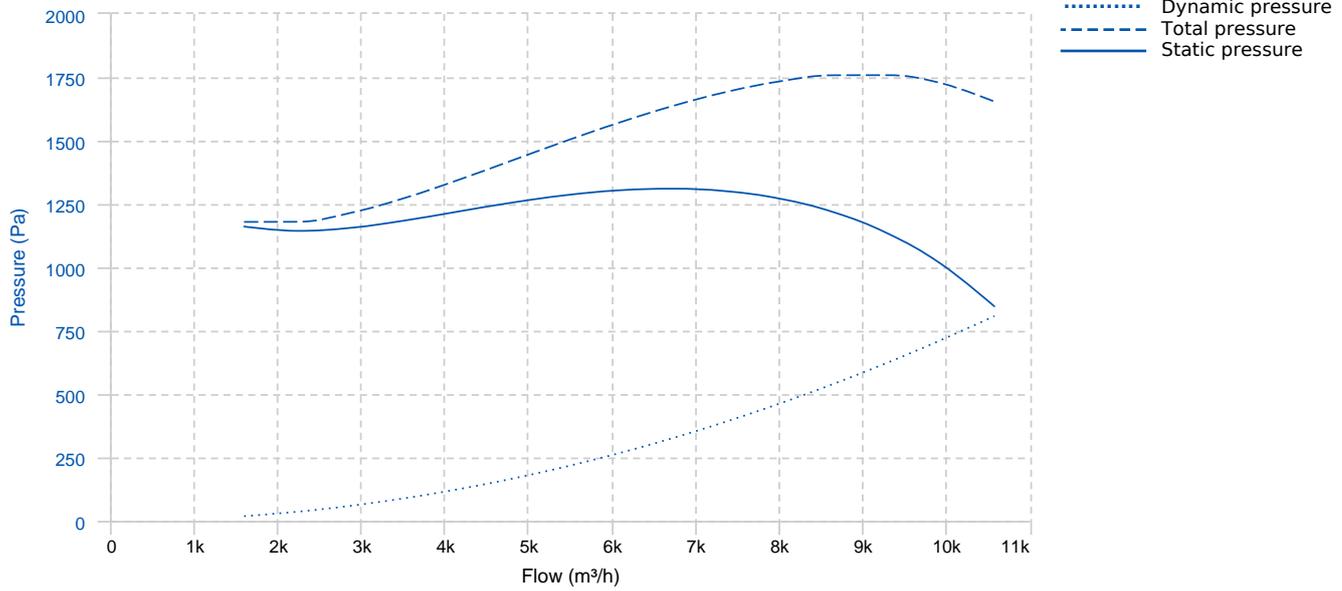
ORGANISM: L.O.M.

CERTIFICAT N°: LOM 17.407N-C

In compliance with the Directive 2014/34/UE

PERFORMANCE CURVE

20 °C - m - 1.2 Kg/m³



TECHNICAL DATA

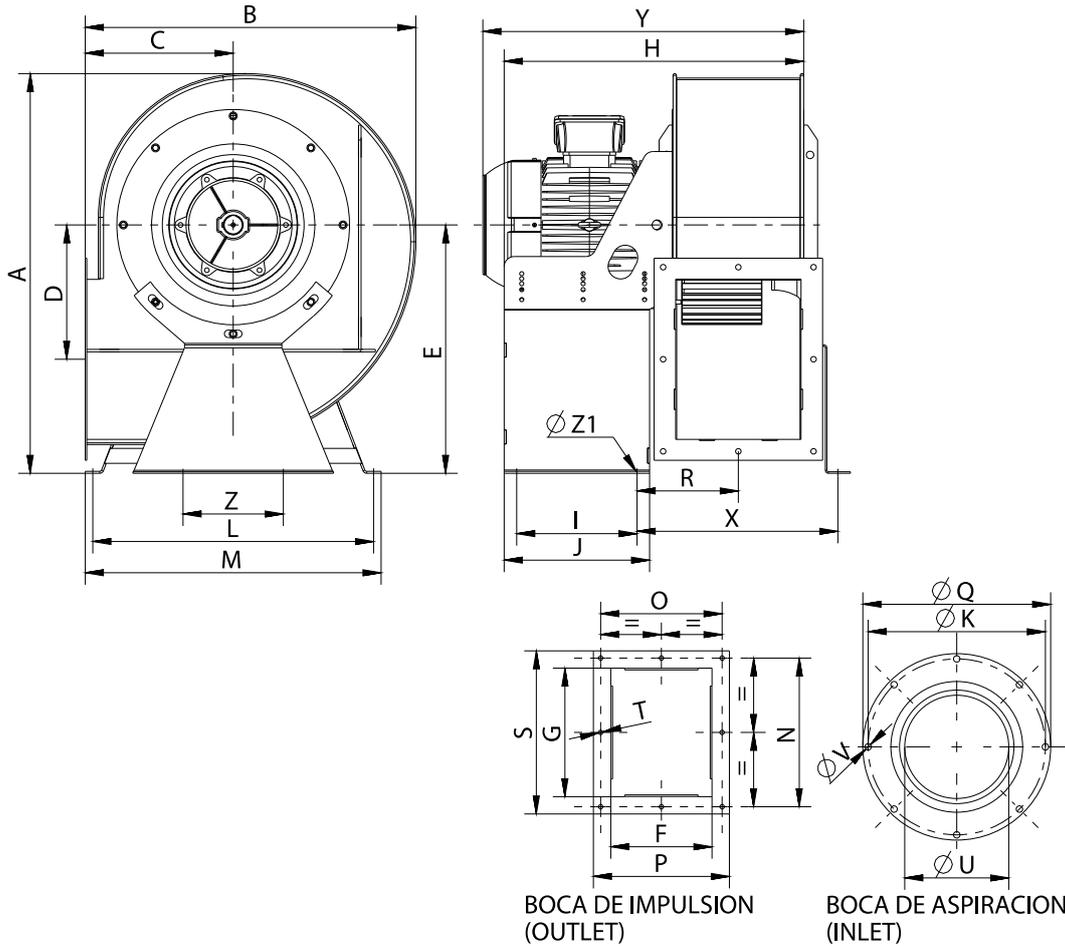
Fan

RPM	1448	Approx. weight	110 kg	Max. Flow	10570 m³/h
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Motor

Power	7,5 kW	RPM	1448	I max. (400V)	15,6 A	Size	132M
Approx. weight	56 kg	Efficiency (%)	88 %	FP	0.82		

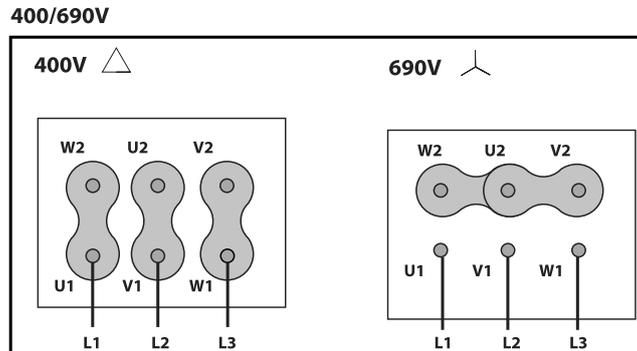
DIMENSIONS



Dimensions (mm)

A	802	B	658	C	295	D	279	E	499
F	250	G	320	H	595	I	240	J	290
K	438	L	560	M	590	N	370	O	300
P	336	Q	464	R	202	S	406	TØ	11
UØ	325	VØ	11	X	400	Y	707,75	Z	200
Z1	13								

WIRING DIAGRAM



ACCESSORIES



INLET PROTECTION GUARD FOR CENTRIFUGAL FANS
MSRA 40/16
REF: 20245



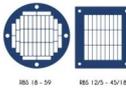
CONNECTION FLANGE
MFLAC 40/16
REF: 20237



ANTI-VIBRATING FLANGE 400°/2H
FLC1-F400 40
REF: 21990



ANTI-VIBRATION JOINT
FJ-F450
REF: 21669



OUTLET PROTECTION GUARD
MSRBS 40/16
REF: 20258



ATEX SWITCH
INT 16 ATEX
REF: 20355



FREQUENCY SPEED CONTROLLER
IRET INVERTER 400 16A
REF: 12882



ANTI-VIBRATION RUBBER BLOCK
NRD-F400 (GENERIC)



ANTI-VIBRATION SPRING BLOCK
XS-F400 (GENERIC)