

VORTICENT CMS ATEX 12/5 T4 0,09kW Zone 1: FAN (Ex h IIB+H2 T4 Gb) + MOTOR (Ex eb IIC T4 Gb)

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.

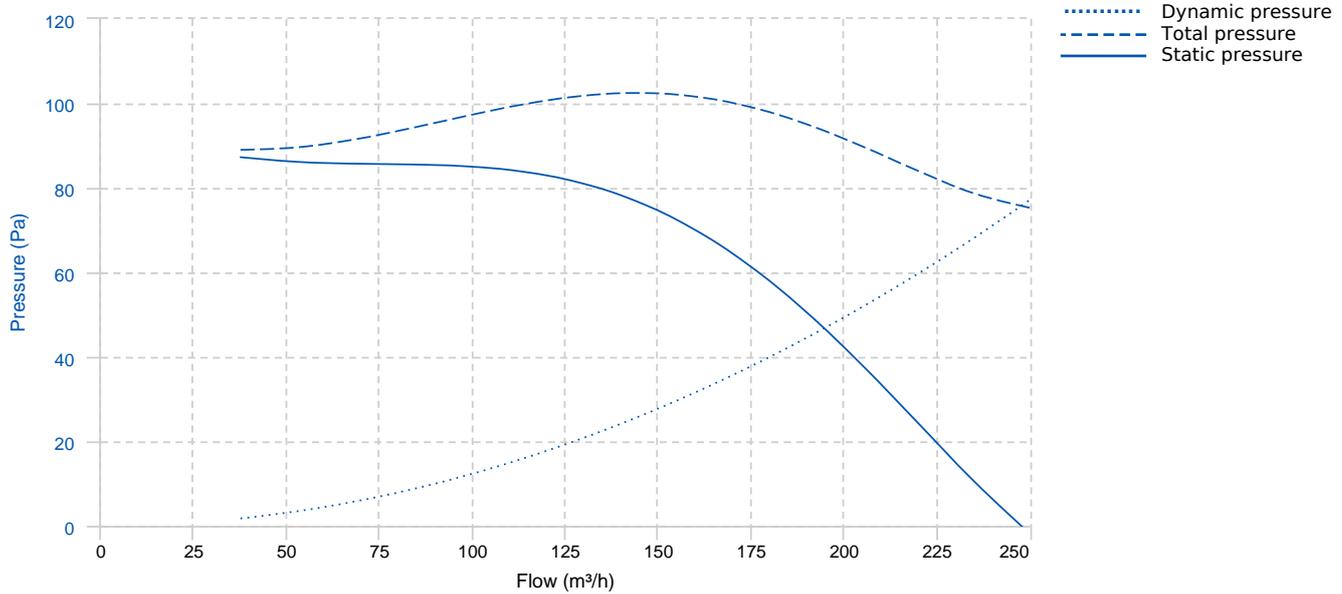
ORGANISM: L.O.M.

CERTIFICAT N°: LOM 17.407N-C

In compliance with the Directive 2014/34/UE

PERFORMANCE CURVE

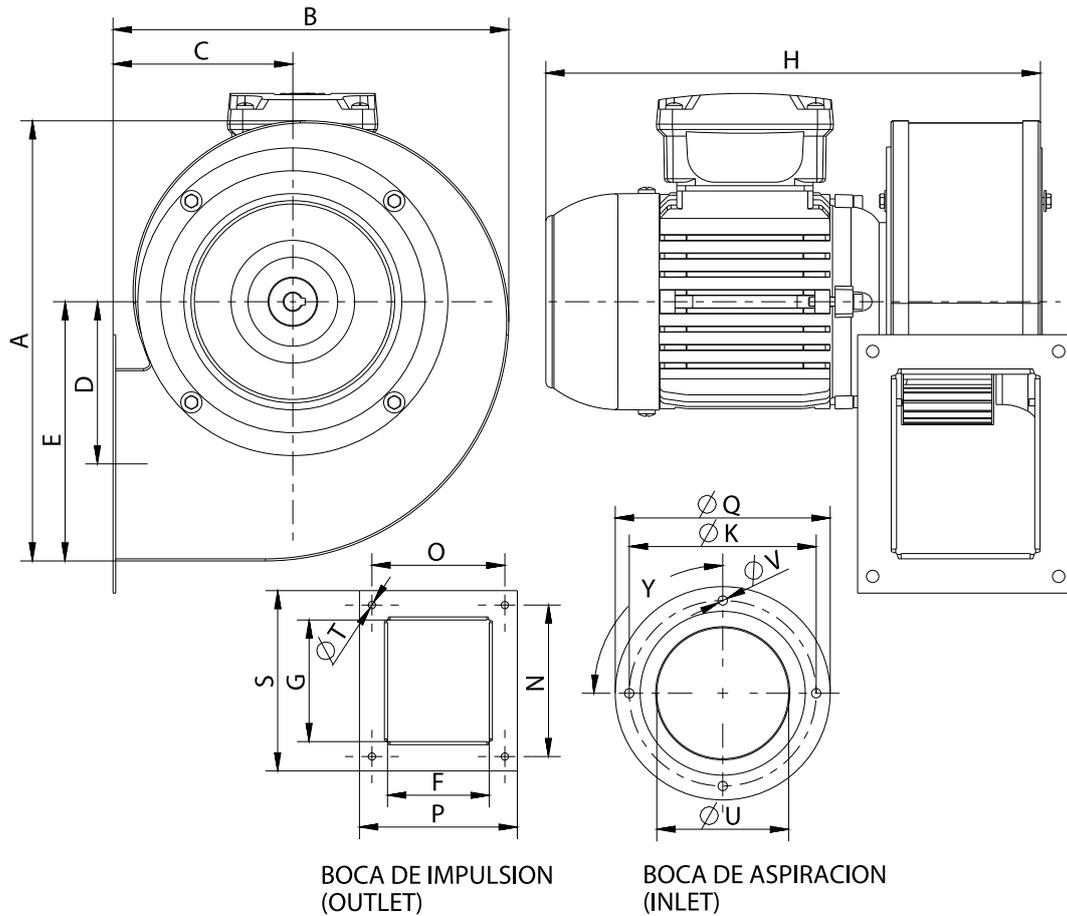
20 °C - m - 1.2 Kg/m³



TECHNICAL DATA

Fan							
RPM	1450	Approx. weight	5 kg	Max. Flow	250 m³/h		
Motor							
Power	0,09 kW	RPM	1346	I max. (230V)	0,57 A	I max. (400V)	0,33 A
Size	56	Approx. weight	3.7 kg	Efficiency (%)	60,7 %	FP	0.65

DIMENSIONS



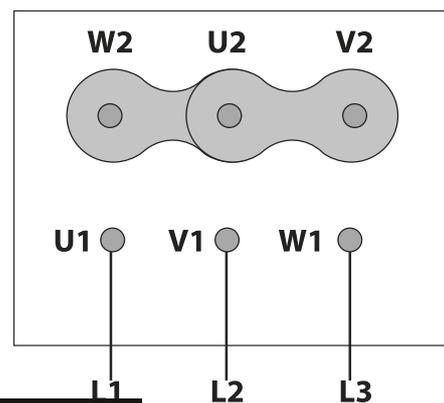
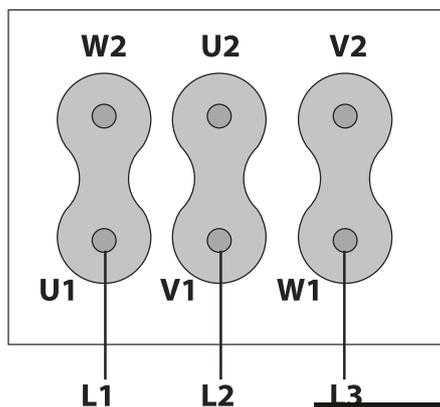
Dimensions (mm)

A	205,5	B	187	C	87	D	71,5	E	117
F	72	G	81,7	H	251	K	135	N	105
O	93	P	106	Q	150	S	118	TØ	7
UØ	92,5	VØ	7	Y	4x90°				

WIRING DIAGRAM

230V

400V



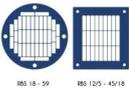
ACCESSORIES



INLET PROTECTION GUARD FOR CENTRIFUGAL FANS
MSRA 12/5
REF: 20239



ANTI-VIBRATION JOINT
FJ-F450
REF: 21669



OUTLET PROTECTION GUARD
MSRBS 12/5
REF: 20247



ANTI-VIBRATING FLANGE 400°/2H
FLC1-F400 10/12
REF: 21984



CONNECTION FLANGE
MFLAC 12/5
REF: 20228



ATEX SWITCH
INT 16 ATEX
REF: 20355



FREQUENCY SPEED CONTROLLER
IREM INVERTER 230 2.5A
REF: 12872



FREQUENCY SPEED CONTROLLER
IRET INVERTER 400 1.2A
REF: 12876