

## **VORTICENT CMS ATEX 35/14 T4 3kW 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.

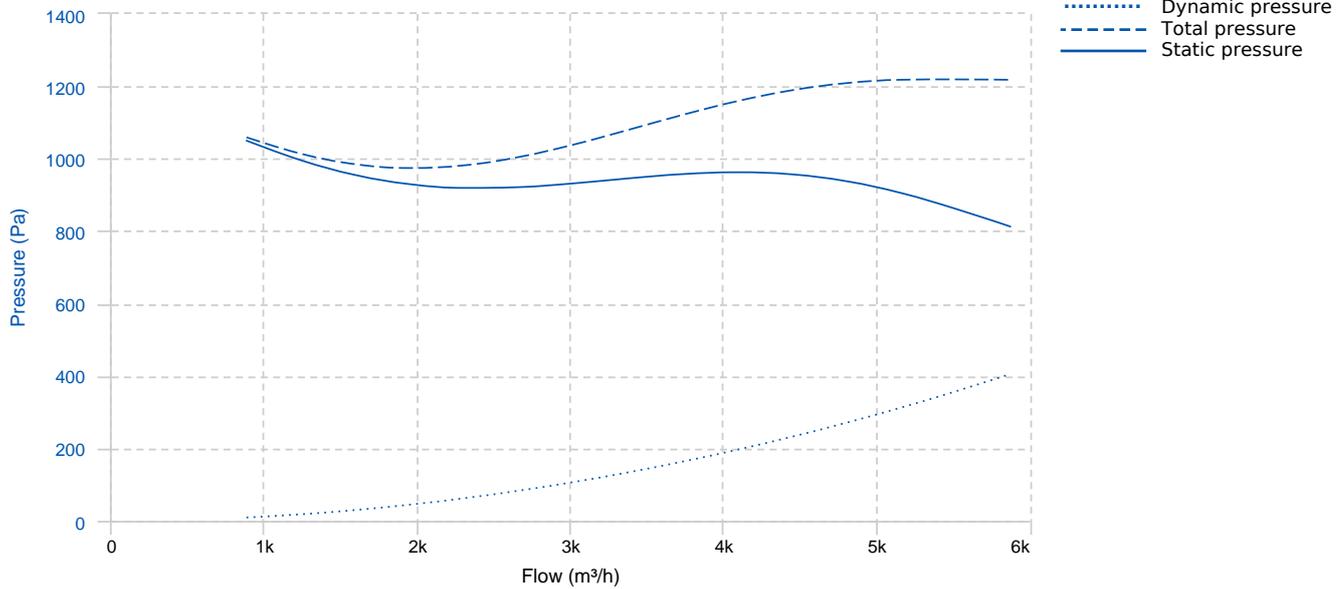
ORGANISM: L.O.M.

CERTIFICAT N°: LOM 17.407N-C

In compliance with the Directive 2014/34/UE

## PERFORMANCE CURVE

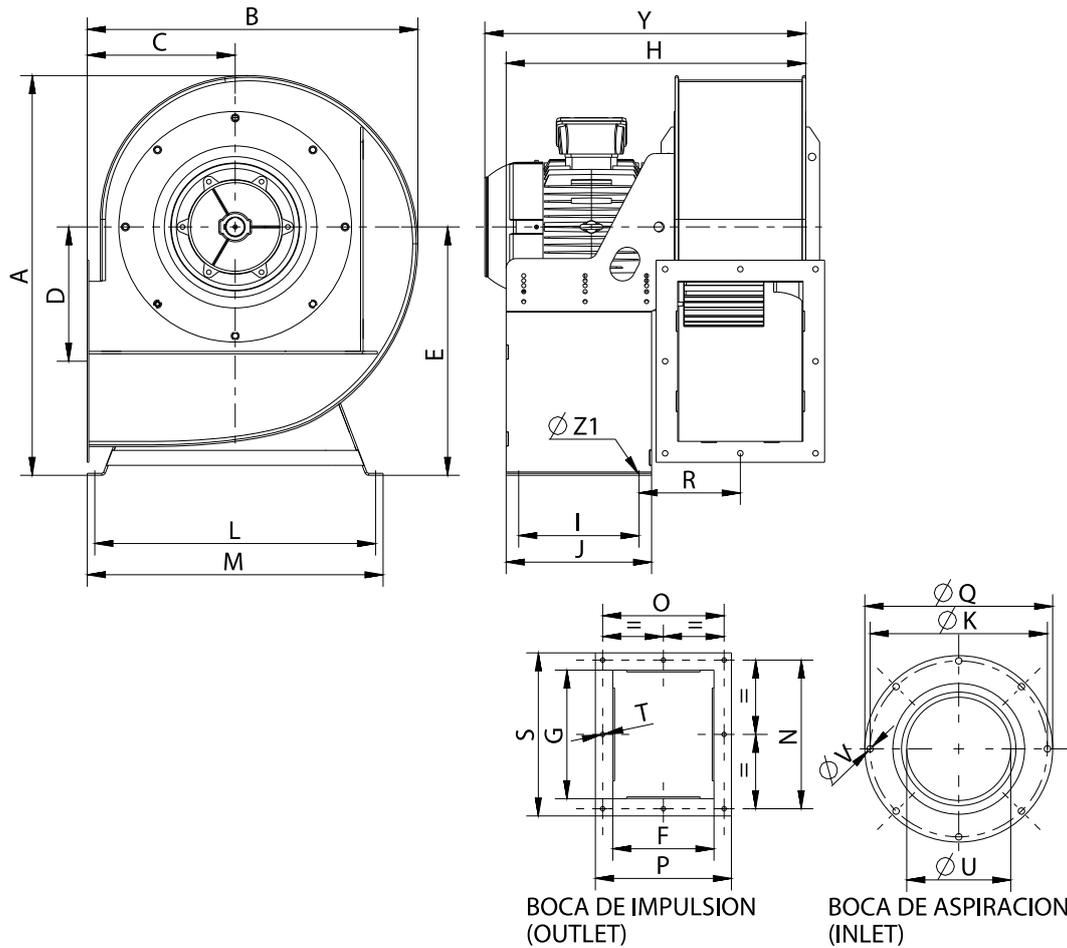
20 °C - m - 1.2 Kg/m<sup>3</sup>



## TECHNICAL DATA

Fan							
RPM	1420	Approx. weight	63 kg	Max. Flow	5870 m³/h		
Motor							
Power	3 kW	RPM	1420	I max. (400V)	6,8 A	Size	100L
Approx. weight	23 kg	Efficiency (%)	83 %	FP	0.74		

## DIMENSIONS



BOCA DE IMPULSION  
(OUTLET)

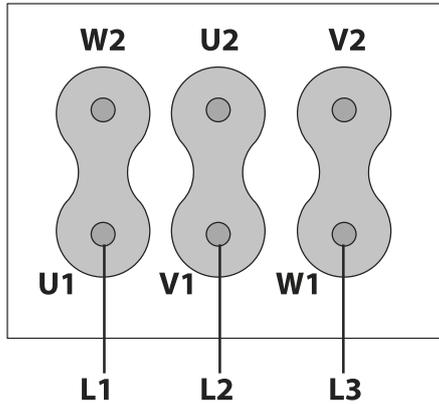
BOCA DE ASPIRACION  
(INLET)

**Dimensions (mm)**

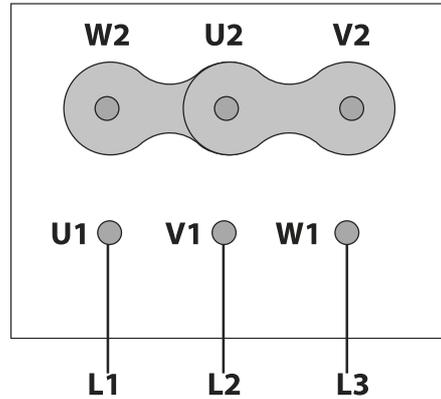
A	722	B	593	C	270	D	249,5	E	451
F	224	G	280	H	564	I	240	J	290
K	394,5	L	449	M	474	N	318	O	266
P	300	Q	422	R	184	S	356	TØ	11
UØ	289	VØ	11	Y	565,75	Z1	13		

## WIRING DIAGRAM

230V 



400V 



## ACCESSORIES



**INLET PROTECTION GUARD FOR CENTRIFUGAL FANS**  
MSRA 35/14  
REF: 20244



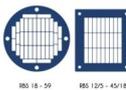
**CONNECTION FLANGE**  
MFLAC 35/14  
REF: 20236



**ANTI-VIBRATING FLANGE 400<sup>o</sup>/2H**  
FLC1-F400 35  
REF: 21989



**ANTI-VIBRATION JOINT**  
FJ-F450  
REF: 21669



**OUTLET PROTECTION GUARD**  
MSRBS 35/14  
REF: 20257



**ATEX SWITCH**  
INT 16 ATEX  
REF: 20355



**FREQUENCY SPEED CONTROLLER**  
IRET INVERTER 400 8A  
REF: 12880



**ANTI-VIBRATION RUBBER BLOCK**  
NRD-F400 (GENERIC)



**ANTI-VIBRATION SPRING BLOCK**  
XS-F400 (GENERIC)