BETA Industrial L.L.C.

VORTICE

www.vortice-export.com

Version 1 Aug 2025

MEDIUM PRESSURE CENTRIFUGAL FAN

INDEX

- **VORTICENT CMS 16/6 M4 0,08W**

VORTICENT CMS 16/6 M4 0,08kW (30141)

Medium Pressure Centrifugal Fan with Forward Impeller

Suitable for Industrial applications, extraction or injection of air. Cooling of machines and parts. Suitable for transporting totally clean air without dust.

PRODUCT SPECIFICATION

- Rolling steel sheet housing.
- Completely joined or welded housing.
- Galvanised steel sheet simple inlet forward curved impeller.
- Polyester powder 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.
- 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.
- Maximum working temperature: carried air: 130ºC

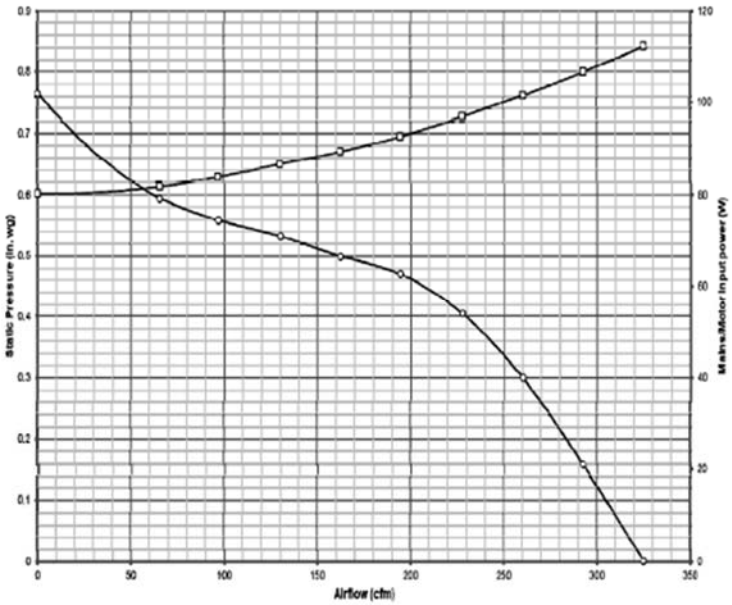
TECHNICAL DATA

Model	Code	Speed RPM	V 50 Hz	W	A	Max air flow		Max Pressure Pa	Max °C	Kg
						CMH	LPS			
VORTICENT CMS 16/6 M4 0,08kW	30141	1370	230-240	80	0.9	598	167	150	50	7.5

AMCA CERTIFICATION

Beta Industrial LLC certifies that the CMS 16/6 M4 – Medium Pressure Centrifugal Fan shown herein are licensed to bear the AMCA seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication Test Method per ANSI/AMCA Standard **210-16**, Figure 12 setup, Installation Type D & test Method per ANSI/ AMCA standard **300-14** Figure 2 Setup, Installation Type D.

PERFORMANCE CURVE



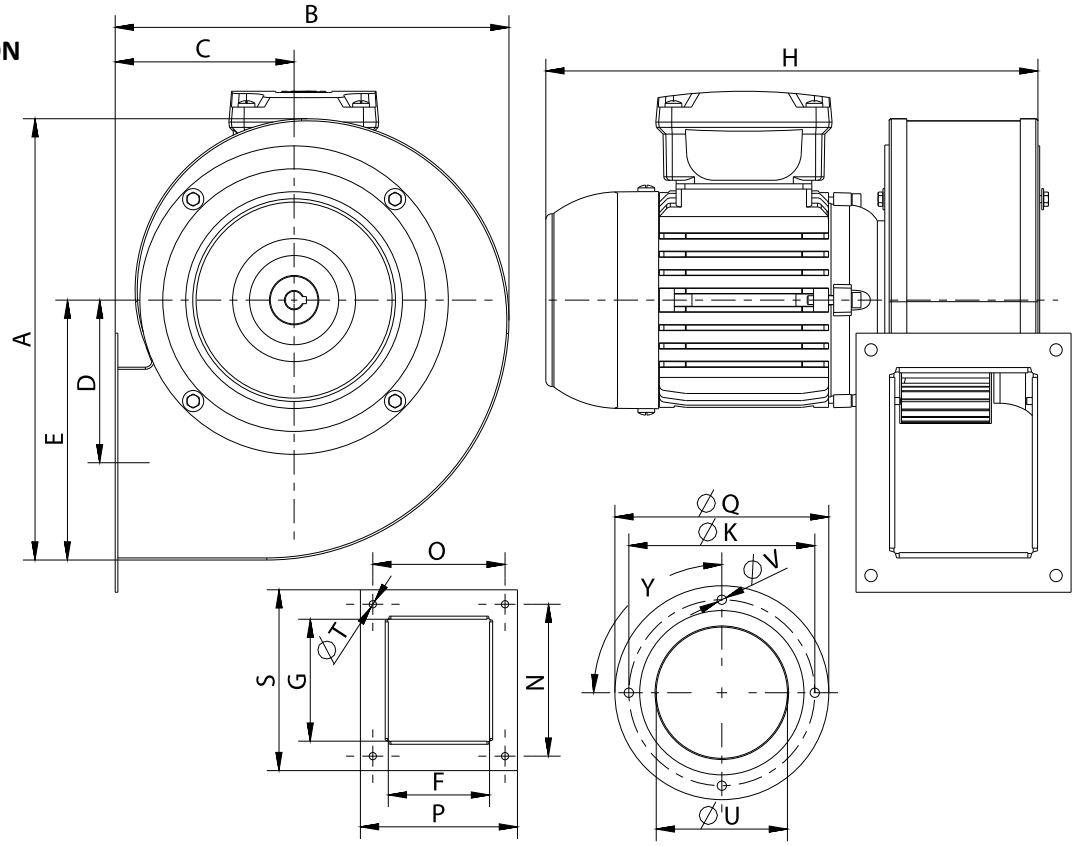
OCTAVE BAND DATA

MODEL	Octave Band Frequency Lw (dB)							
	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
VORTICENT CMS 16/6 M4 0,08kW	53.9	57.4	62.4	55.6	51.9	53.6	48.3	42.8

Operation of the axial impeller in any configuration other than the published test configuration will affect performance. For additional information regarding performance ratings and test configurations- Refer the technical pages for the additional rating's information.

*Performance certified is for Installation Type D: Ducted Inlet, Ducted Outlet with inlet cone
*The sound power level ratings shown are in decibels, referred to 10^{-12} watts, calculated per AMCA International Standard 301."
Ratings include the effects of duct end correction.

FAN DIMENSION



BOCA DE IMPULSION
(OUTLET)

BOCA DE ASPIRACION
(INLET)

Dimensions (mm)									
A	295	B	266	C	119	D	108,5	E	171,5
F	98	G	118	H	298	K	180	N	147
O	128	P	152	Q	207	S	175	TØ	7
UØ	127	VØ	9	Y	4x90º				

WIRING DIAGRAM