

Technical Data Sheet

CODE 16150

CA 100 MD

In-line centrifugal fans in metal



Certifications



CB TEST CERTIFICATE

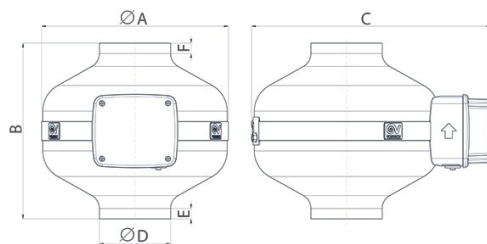
Technical and performance data

Frequency (Hz)	50-60	Max airflow at Min speed at 60 Hz (m³/h)	115
Insulation class	II°	Max pressure at 60 Hz (mmH2O)	40,6
IP	44	Max pressure at Max speed (mmH2O)	35,3
Max absorbed current at maMinx speed at 60 Hz (A)	0,17	Max pressure at Max speed (Pa)	346
Max absorbed current at Max speed (A)	0,22	Max pressure at Max speed at 60Hz (Pa)	398
Max absorbed current at Max speed at 60 Hz (A)	0,26	Max pressure at Mid speed (mmH2O)	35,1
Max absorbed current at Mid speed (A)	0,20	Max pressure at Mid speed (Pa)	344
Max absorbed current at Mid speed at 60 Hz (A)	0,25	Max pressure at Mid speed at 60Hz (mmH2O)	36,2
Max absorbed current at Min speed (A)	0,15	Max pressure at Mid speed at 60Hz (Pa)	355
Max absorbed power at Max speed (W)	43	Max pressure at Min speed at 60Hz (mmH2O)	13,6
Max absorbed power at Max speed at 60 Hz (W)	45	Max pressure at Min speed at 60Hz (Pa)	133
Max absorbed power at Mid speed (W)	30	Max RPM	2135
Max absorbed power at Mid speed at 60 Hz (W)	35	Max speed at 60 Hz (Rpm)	2000
Max absorbed power at Min speed at 60 Hz (W)	17	Mid speed at 60 Hz (Rpm)	1720
Max ambient temperature for continuous operation (°C)	50	Min RPM	880
Nominal diameter (mm)	100	Min speed at 60 Hz (Rpm)	995
Power absorbed at 1st speed (W)	13	Potenza sonora at supply side at Min speed LWA [dB (A)]	57,3
Voltage (V)	220-240	Pressure at 1st speed (mmH2O)	12,2
Weight (Kg)	2,97	Pressure at 1st speed (Pa)	120
Airflow at 1st speed (l/s)	28	RPM at Mid speed	1800
Airflow at 1st speed (m³/h)	100	Sound power at extract side at Max speed LWA [dB (A)]	84,5
Breakout sound power at Max speed at 60 Hz LWA [dB (A)]	53,2	Sound power at extract side at Mid speed LWA [dB (A)]	76,9
Breakout sound power at Mid speed at 60 Hz LWA [dB (A)]	48,1	Sound power at extract side at Min speed LWA [dB (A)]	60,4
Breakout sound power at Min speed at 60 Hz LWA [dB (A)]	40,2	Sound power at supply side at Max speed LWA [dB (A)]	81,4
Breakout sound power LWA at Max speed [dB (A)]	56,4	Sound power at supply side at Mid speed LWA [dB (A)]	73,7
Breakout sound power LWA at Mid speed [dB (A)]	49,2	Sound powerat at extraction side at Max speed at 60 Hz LWA [dB (A)]	80,4
Breakout sound power LWA at Min speed [dB (A)]	38,6	Sound powerat at extraction side at Mid speed at 60 Hz LWA [dB (A)]	75,6
breakout sound pressure at 3m at Max speed at 60 Hz Lp [dB (A)]	32,7	Sound powerat at extraction side at Min speed at 60 Hz LWA [dB (A)]	62,3
Breakout sound pressure at 3m at Max speed Lp [dB (A)]	35,9	Sound powerat at supply side at Max speed at 60 Hz LWA [dB (A)]	77,6
breakout sound pressure at 3m at Mid speed at 60 Hz Lp [dB (A)]	27,6	Sound powerat at supply side at Mid speed at 60 Hz LWA [dB (A)]	72,5
Breakout sound pressure at 3m at Mid speed Lp [dB (A)]	28,7	Sound powerat at supply side at Min speed at 60 Hz LWA [dB (A)]	60
breakout sound pressure at 3m at Min speed at 60 Hz Lp [dB (A)]	19,6	Sound pressure at extract side at 3m at Max speed at 60 HzLp [dB (A)]	62,8
Breakout sound pressure at 3m at Min speed Lp [dB (A)]	18	Sound pressure at extract side at 3m at Max speed Lp [dB (A)]	67
		Sound pressure at extract side at 3m at Mid speed at 60 HzLp [dB (A)]	55

Max airflow at Max speed (l/s)	72
Max airflow at Max speed (m³/h)	260
Max airflow at Max speed at 60 Hz (l/s)	67
Max airflow at Max speed at 60 Hz (m³/h)	240
Max airflow at Mid speed (m³/h)	215
Max airflow at Mid speed at 60 Hz (l/s)	58
Max airflow at Mid speed at 60 Hz (m³/h)	210
Max airflow at Min speed (l/s)	60
Max airflow at Min speed at 60 Hz (l/s)	32

Sound pressure at extract side at 3m at Mid speed Lp [dB (A)]	59,4
Sound pressure at extract side at 3m at Min speed at 60 HzLp [dB (A)]	44,8
Sound pressure at extract side at 3m at Min speed Lp [dB (A)]	42,9
Sound pressure at supply side at 3m at Max speed Lp [dB (A)]	64,2
Sound pressure at supply side at 3m at Mid speed Lp [dB (A)]	56,2
Sound pressure at supply side at 3m at Min speed Lp [dB (A)]	39,8
Sound pressure at supply side at 3m at Max speed at 60 HzLp [dB (A)]	60,1
Sound pressure at supply side at 3m at Mid speed at 60 HzLp [dB (A)]	58,1
Sound pressure at supply side at 3m at Min speed at 60 HzLp [dB (A)]	42,4

Dimensions



Size A (mm)	255
Size B (mm)	239
Size C (mm)	330
Size D (mm)	97
Size E (mm)	15
Size F (mm)	15

PER INFORMAZIONI / FOR INFORMATION

ITALY

Pre Sales:

prevendita@vortice-italy.com

After Sales:

postvendita@vortice-italy.com

UNITED KINGDOM & REP. OF

IRELAND

Sales Dept:

sales@vortice.ltd.uk

Technical Dept:

technical@vortice.ltd.uk

OTHER COUNTRIES

Sales Dept:

export@vortice-italy.com

After Sales:

after-sales@vortice-italy.com

Technical Data Sheet

CODE 16150

CA 100 MD

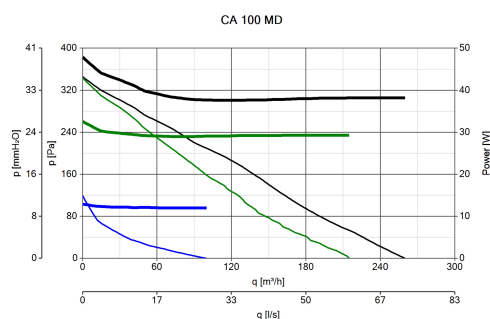
In-line centrifugal fans in metal



Description

- Pickled and phosphated steel housing with polyester powder-coated finish, resistant to the aggressive action of atmospheric agents.
- Nominal diameter 100 mm.
- 3 speed fan consisting of:
 - AC motor with thermal overload cutout and shaft turning in ball bearings,
 - backward curved centrifugal impeller.
- Operation controllable by remote sensors monitoring: Temperature, Relative Humidity, Smoke and Presence.
- Zinc-coated steel brackets for wall mounting.

Curves



Accessories



CA-MU (STAFFE DI SOSTEGNO)

Code 22674



KIT SCB (TRASF.E.C.)

Code 22481



CA-G 100 (GRIGLIA DI PROTEZIONE)

Code 22750



C TEMP

Code 12992



C SMOKE

Code 12993



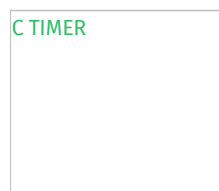
C HCS

Code 12994



C PIR

Code 12998



C TIMER

Code 12999

TRIO D

Code 12866

TRIO-LINEO**503**

Code 12891

PER INFORMAZIONI / FOR INFORMATION**ITALY**

Pre Sales:

prevendita@vortice-italy.com

After Sales:

postvendita@vortice-italy.com**UNITED KINGDOM & REP. OF
IRELAND**

Sales Dept:

sales@vortice.ltd.uk

Technical Dept:

technical@vortice.ltd.uk**OTHER COUNTRIES**

Sales Dept:

export@vortice-italy.com

After Sales:

after-sales@vortice-italy.com