

# Technical Data Sheet

CODE 16140

## CA 100 MD E RF

Centrifugal duct fans for roof mounting



### Certifications



IMQ Performance



### TECHNICAL AND PERFORMANCE DATA

Frequency (Hz)	50-60	Max airflow at Min speed at 60 Hz (m³/h)	86
Insulation class	II°	Max pressure at 60 Hz (mmH2O)	46,9
IP	45	Max pressure at Max speed (mmH2O)	38,4
Max absorbed current at maMinx speed at 60 Hz (A)	0,17	Max pressure at Max speed (Pa)	377
Max absorbed current at Max speed (A)	0,22	Max pressure at Max speed at 60Hz (Pa)	460
Max absorbed current at Max speed at 60 Hz (A)	0,26	Max pressure at Mid speed (mmH2O)	38
Max absorbed current at Mid speed (A)	0,20	Max pressure at Mid speed (Pa)	373
Max absorbed current at Mid speed at 60 Hz (A)	0,23	Max pressure at Mid speed at 60Hz (mmH2O)	39,1
Max absorbed current at Min speed (A)	0,15	Max pressure at Mid speed at 60Hz (Pa)	384
Max absorbed power at Max speed (W)	41	Max pressure at Min speed at 60Hz (mmH2O)	18,7
Max absorbed power at Max speed at 60 Hz (W)	45	Max pressure at Min speed at 60Hz (Pa)	183
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)	1985
Max absorbed power at Min speed at 60 Hz (W)	16	Mid speed at 60 Hz (Rpm)	1670
Max ambient temperature for continuous operation (°C)	50	Min RPM	950
Nominal diameter (mm)	100	Min speed at 60 Hz (Rpm)	1050
Power absorbed at 1st speed (W)	13	Potenza sonora at supply side at Min speed LWA [dB (A)]	43,5
Voltage (V)	220-240	Pressure at 1st speed (mmH2O)	20,7
Weight (Kg)	4,6	Pressure at 1st speed (Pa)	203
Airflow at 1st speed (l/s)	21	RPM at Mid speed	1790
Airflow at 1st speed (m³/h)	75	Sound power at extract side at Max speed LWA [dB (A)]	85,2
Breakout sound power at Max speed at 60 Hz LWA [dB (A)]	63,9	Sound power at extract side at Mid speed LWA [dB (A)]	79,1
Breakout sound power at Mid speed at 60 Hz LWA [dB (A)]	58,3	Sound power at extract side at Min speed LWA [dB (A)]	62,3
Breakout sound power at Min speed at 60 Hz LWA [dB (A)]	45	Sound power at supply side at Max speed LWA [dB (A)]	65,9
Breakout sound power LWA at Max speed [dB (A)]	65,9	Sound power at supply side at Mid speed LWA [dB (A)]	59
Breakout sound power LWA at Mid speed [dB (A)]	59,6	Sound power at extraction side at Max speed at 60 Hz LWA [dB (A)]	83,1
PER INFORMAZIONI / FOR INFORMATION		Sound power at extraction side at Mid speed at 60 Hz LWA [dB (A)]	77,3
			64,5
			63,9
			58,3
			45
			65,5

#### 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 16140

## CA 100 MD E RF

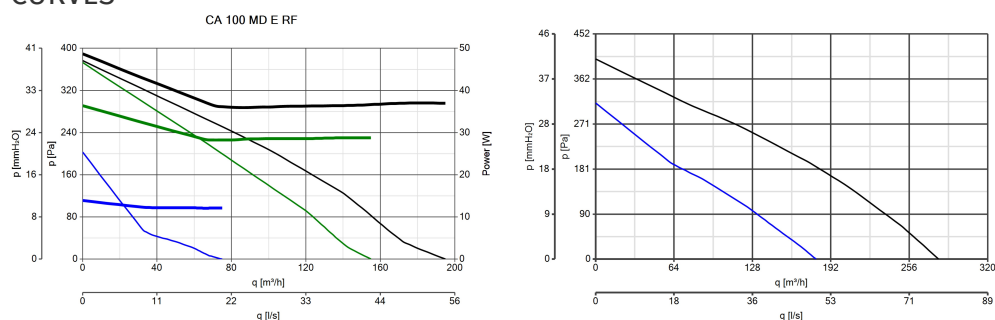
Centrifugal duct fans for roof mounting



### DESCRIPTION

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

### CURVES



### ACCESSORIES



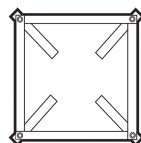
#### KIT SCB (TRASF.E.C.)

Code 22481



#### CA-G 100 (GRIGLIA DI PROTEZIONE)

Code 22750



#### CARF-C 125 (CONTROTELAIO DI BASE)

Code 22543



#### C TEMP

Code 12992



#### C SMOKE

Code 12993



#### C HCS

Code 12994



#### C PIR

Code 12998

C TIMER

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

