

Technical Data Sheet

CODE 10226

F4L

Residential EC centrifugal extractor fans



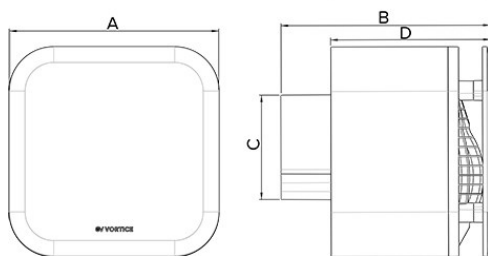
Certifications



Technical and performance data

Frequency (Hz)	50	Max airflow at Max speed (m³/h)	263
Insulation class	I°	Max pressure at Max speed (mmH2O)	17,8
IP	X4	Max pressure at Max speed (Pa)	175
Max absorbed current (A)	0,35	Max RPM	2600
Max absorbed power (W)	37	Min RPM	527
Nominal diameter (mm)	100-125	Pressure at 1st speed (mmH2O)	0,2
Voltage (V)	230	Pressure at 1st speed (Pa)	2
Weight (Kg)	1,56	Sound power at Min speed LWA [dB(A)]	22,3
Airflow at 1st speed (l/s)	8	Sound power at Min speed LWA [dB(A)]	66,5
Airflow at 1st speed (m³/h)	29	Sound pressure at 3m at Max speed calculated in free field Lp [dB(A)]	49
Max airflow at Max speed (l/s)	73	Sound pressure at 3m at Min speed calculated in free field Lp [dB(A)]	<10

Dimensions



Dimensione A & #9744; (mm)	198
Size B (mm)	198
Size C (mm)	Ø 99
	/ 123
Size D (mm)	150

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Description

- 2-speed brushless EC motor, adjustable upon installation, with shaft mounted on ball bearings for a minimum continuous operating life of no less than 50,000 hours.
- Forward-curved centrifugal impeller made of plastic resin, aerodynamically optimized to ensure, together with the enclosed auger, high pressure levels across a wide range of flow rates.
- The auger, incorporating the motor holder, is molded from impact-resistant ABS.
- Aesthetic front panel, snap-on to a protective grille underneath, molded from impact-resistant ABS. The perimeter suction prevents the view of the components behind it and simplifies cleaning.
- The casing, molded from impact-resistant ABS, integrates the exhaust port with a nominal diameter of 100 mm. An adapter, included as standard, allows installation even with exhaust ports with a nominal diameter of 125 mm.
- An optional kit (F4L-WINKIT) is available that allows the VORT F4L to be installed on single- or multi-glazed windows with a thickness between 12 and 28 mm.

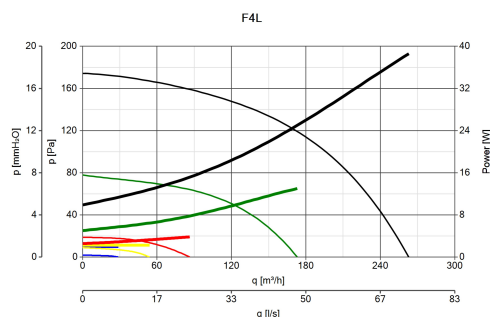
Available functions:

- Operating mode setting: A built-in switch allows you to choose between continuous and intermittent operation during installation.
- Minimum flow rate setting: A potentiometer allows you to set the minimum extraction flow rate during installation within a range of 30

to 80 m³/h.

- Maximum flow rate setting: A potentiometer allows you to set the maximum extraction flow rate during installation within a range of 90 to 260 m³/h.
- Timer: A potentiometer allows you to delay the product's shutdown or return to minimum speed after the room switch is turned off or the pull cord switch is activated. The delay duration can be set during installation within a range of 3 to 20 minutes. The same potentiometer also allows the function to be inhibited.
- Relative Humidity Sensor: This allows the product to be started, or switched to maximum speed, only when the relative humidity threshold in the room being served is exceeded. A potentiometer allows the threshold level to be set during installation within a range between 60% (default value) and 95%. The function can be inhibited by using a dedicated switch.
- Pull-cord switch: This allows the fan to be independent of the activation of an external switch. The pull-cord switch or, alternatively, an external switch can be controlled during installation by adjusting the pair of DIP switches integrated into the control electronics.
- Data logger: The control electronics integrate a device that records the fan's operating hours. A dedicated USB socket allows periodic downloading of recorded data.

Curves



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