

# Technical Data Sheet

CODE 12198

## VORT QUADRO DMEV I T-HCS



### Certifications



### TECHNICAL AND PERFORMANCE DATA

Frequency (Hz)	50	Voltage (V)	220-240
Insulation class	II°	Weight (Kg)	2,00
IP	45	Max airflow at Max speed (l/s)	18,9
Max absorbed current at Max speed (A)	0,085	Max airflow at Max speed (m³/h)	68
Max absorbed power at Max speed (W)	8	Max pressure at Max speed (mmH2O)	20
Max ambient temperature for continuous operation (°C)	50	Max pressure at Max speed (Pa)	196,14
Nominal diameter (mm)	80	Max RPM	1730
Ø Discharge hole (mm)	70	Sound power at Min speed LWA [dB(A)]	52,6
		Sound pressure at 3m at Max speed calculated in free field Lp [dB(A)]	35,1

### DIMENSIONS

Size A (mm)	262
Size B (mm)	262
Size C (mm)	115
Size D (mm)	90
Size E (mm)	80
Size F (mm)	Ø 96
Size G (mm)	Ø 79
Size H (mm)	71,5
Size I (mm)	76

### PER INFORMAZIONI / FOR INFORMATION

#### ITALY

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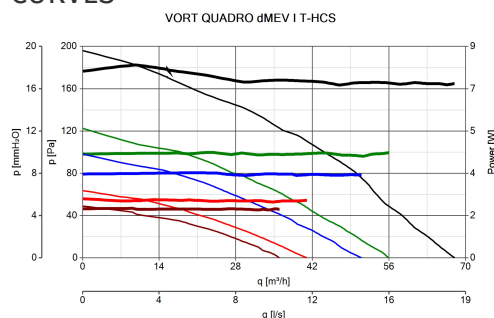


### DESCRIPTION

- EC brushless motorfan, with shaft on ball bearings, allowing a minimum continuous running time of 30.000 hours at max rated temperature. Two alternative levels of performances, "Trickle" and "Boost" described in the following:
- Trickle: depending on the room the product is installed, the extractor fan can be set for 4 different pre-set airflow levels;
- Boost: the automatic activation of Boost mode is realized by integrated HCS sensor.
- The motor on-board electronics allows to set, at installation:
- the delayed switch-on (time delay 0, 45, 90 or 120 seconds)
- The overrun (switch-off delay 6, 10, 15 or 21 minutes).
- HCS mode: the fan changes to Boost speed according to RH values detected by the integrated HCS sensor (Humidity Control System). The system operates with two different modes, ensuring the best environmental conditions:
- The fan changes to Boost speed when RH exceeds the threshold value (adjustable at installation among: 60%, 70%, 80%, 90% RH; 70% is the default setting). The fan changes to Trickle speed when RH level falls below 15% of pre-set RH value, or after two hours of continuous running.
- The fan changes to Boost speed when RH rapidly increases (increment

- $\geq 20\%$  in 10 minutes or less), and slow down to "Trickle" speed when RH falls below 15% of the pre-set RH value, or after two hours of continuous running.
- Centrifugal impeller at variable geometry made of PBT, granting high rigidity, dimensional stability and great resistance to aggressive chemical agents. Its high efficiency, coming from accurate aerodynamic studies, guarantees high-pressure levels.
- Rear casings, made of class E ignitability plastic resin, according to EN ISO 11925-2:2010
- Aesthetic flat front panel made of class E ignitability plastic resin, realizing the perimeter aspiration, for easy maintenance and cleaning.
- Motor housing made of plastic resin.
- Filter frame made of ABS plastic.
- G2 filter with a clogged filter alarm fully compliant with ErP Regulation N° 1253/2014/UE, 2nd Tier, in force since 1st January 2018.
- Casings for recessed installation; discharge nominal diameter: 80 mm.
- Rubber adapter ring (from 80 mm to 100 mm), to allow the air discharge in 100 mm ducts.

### CURVES



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