

Technical Data Sheet

CODE 11538

QE 100 LL TP HCS

Centrifugal duct fans



Certifications

CE CE

TUV TUV

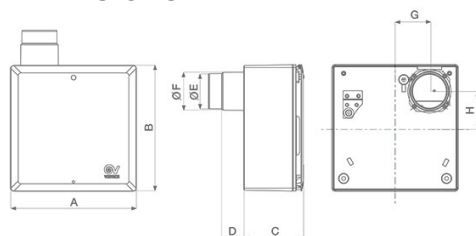
DIBt DIBt

CB TEST CERTIFICATE

TECHNICAL AND PERFORMANCE DATA

Frequency (Hz)	50	Voltage (V)	220-240
Insulation class	II°	Weight (Kg)	2,33
IP	45	Max airflow at Max speed (l/s)	27,8
Max absorbed current at Max speed (A)	0,17	Max airflow at Max speed (m³/h)	100
Max absorbed power at Max speed (W)	26	Max pressure at Max speed (mmH2O)	36
Max ambient temperature for continuous operation (°C)	50	Max pressure at Max speed (Pa)	353
Nominal diameter (mm)	80	Max RPM	1570
Ø Discharge hole (mm)	70	Sound power at Min speed LWA [dB(A)]	48
		Sound pressure at 3m at Max speed Lp [dB (A)]	30,5

DIMENSIONS



Size A (mm)	262
Size B (mm)	262
Size C (mm)	115,5
Size D (mm)	80
Size E (mm)	73
Size F (mm)	79
Size G (mm)	71,5
Size H (mm)	90

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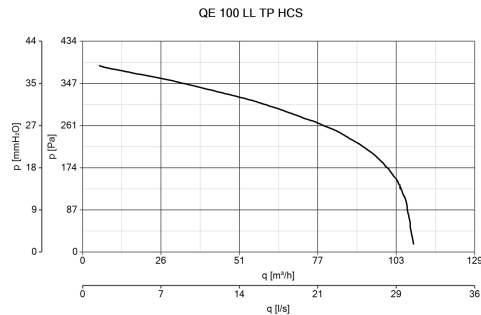
DESCRIPTION

- Scroll and front panel made of self-extinguishing ABS, rated V0.
 - Motor housing and filter frame made of ABS plastic.
 - 1 speed AC motor, shaft on ball bearings, coupled to a forward curved centrifugal impeller, PBT made.
 - Nominal airflow: 100 m³/h
 - G2 filter, with a clogged filter mechanic alarm fully compliant with ErP reg. N° 1253/2014/UE, in force since 1st January 2018.
 - Timer EVO mode: the switching on/off of the extractor fan is realized through the light control; the on-board electronic allows to set, during the installation, the starting/stopping delay when the product is switched on/off (the respective delays can be set at 0, 45, 90 or 120 seconds and at 6, 10, 15 or 21 minutes).
- HCS mode: the switching on/off of the extractor fan is realized according with ambient relative humidity values detected by the HCS sensor (Humidity Control System) integrated in the on-board electronic. The system operates with two different modes, ensuring the

best environmental conditions:

- o Exceeding the threshold: the product starts to run when ambient relative humidity exceeds a given threshold, which can be set by the installer at four values: 60%, 70%, 80%, 90% RH (70% is the factory setting). The fan stops its running when the RH level falls below the 15% of the pre-set RH value, or after two hours of continuous running.
- o Rapid increase of the RH value: the product automatically starts as a result of a sudden RH increase (> 20% in 10 minutes), and immediately stops to extract air when the RH level falls below the 15% of the pre-set RH value, or after two hours of continuous running.
- o Possibility of connection to an external switch to manually control the product, independently from the RH value detected in the air (for example to avoid the switch on of the extractor fan when the outdoor humidity is too high).

CURVES



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