Technical Data Sheet

CODE 11542

QE 100/60 LL TP HCS

Centrifugal duct fans

Certifications

IMQ

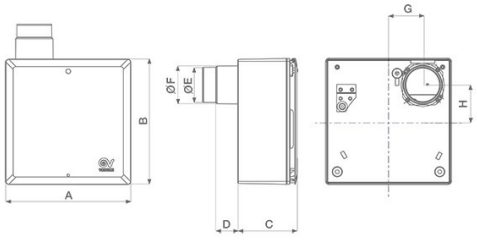
CE

TECHNICAL AND PERFORMANCE DATA

Absorbed power 1st speed (W)	16
Frequency (Hz)	50
Insulation Class	II°
IP	45
Max ambient temperature for continuous operation (°C)	50
Max. absorbed Current at max. speed (A)	0,17
Max. absorbed Current at min. speed (A)	0,14
Max. absorbed power at max speed (W)	26
Nominal Diameter (mm)	80
Ø Discharge Hole (mm)	70
Voltage (V)	220-240
Weight (Kg)	2,33
Delivery 1st speed (l/s)	16,7

Delivery 1st speed (m³/h)	60
Max delivery at max speed (l/s)	27,8
Max delivery at max speed (m³/h)	100
Pressure - 1st speed (mmH20)	35
Pressure - 1st speed (Pa)	343
Pressure max - max speed (mmH20)	36
Pressure max - max speed (Pa)	353
RPM max	1570
RPM min	1170
Sound power Lw [dB(A)] - min speed	45,5
Sound power Lw [dB(A)] - max speed	52
Sound pressure level Lp in free field [dB(A)] 3 m max speed	31,5
Sound pressure level Lp in free field [dB(A)] 3 m min speed	25

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

PER INFORMAZIONI:
Servizio al Cliente: tel +39 02 90699395 premendo 1 dopo messaggio registrato (consulenza su prodotti e impianti)
Pre & Post Vendita: fax +39 02 90699302
Email prevendita: prevendita@vortice-italy.com

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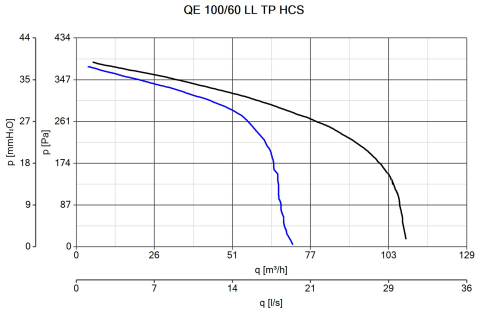
Centrifugal duct fans

DESCRIPTION

• Scroll and front panel made of self-extinguishing ABS, rated V0.
• Motor housing and filter frame made of ABS plastic.
• 2 speed AC motor, shaft on ball bearings, coupled to a forward curved centrifugal impeller, PBT made.
• Nominal airflows: 100 / 60 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 HR value detected in the air (for example to avoid the switch on of the extractor fan when the outdoor humidity is too high).
o Is also possible to set, during the installation, the continuous running operation mode at minimum speed (Continuous Ventilation of the room), moving to the higher speed selection through the switching on/off of the light control and so to the values detected by the HR sensor (Boost mode).

CURVES



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