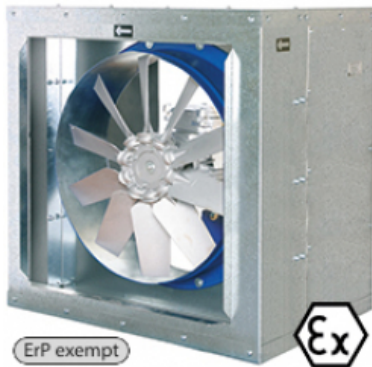


BOX HBX 45 T4 (A5:6) 0,37kW 40°

GENERAL DATA



ATEX INLINE SOUNDPROOF CABINET AXIAL

MANUFACTURING FEATURES

- BOX: Soundproof galvanised steel box with thermo-acoustic insulation, Bs1d0 fire class. Easy motor access and fan maintenance through removable panels.
- Internal fan coil round frame reinforced with intermediate rib and sparking aluminum ring. Modular design of the motor impeller assembly allows complete versatility in case of any change. Aluminum impeller variable pitch angle. Corrosion-resistant powder coat polyester resin.
- ATEX asynchronous squirrel-cage motor with IP-55 protection and class F insulation. Manufactured with standard voltages: 230/400V 50Hz in three phase motors up to 4kW and 400/690V 50Hz for higher powers.

ATEX certified Ex-d: II 2G EX-d

Ex-e: II 2G Ex-e

Ex-nA: II 3GD ExnA

APPLICATIONS

Designed for wall or duct installation, they are suitable for:

- Air renewal in buildings and industries.
- Smoke extraction (max 45-50°C).
- Ventilation in indoor environments classified as ATEX
- Maximum working temperature: 50°C

UNDER REQUEST

- B form or 100% reversible impeller.
- 60 Hz fans and special voltages.
- Atex classification for other areas.
- Bigger fan sizes.

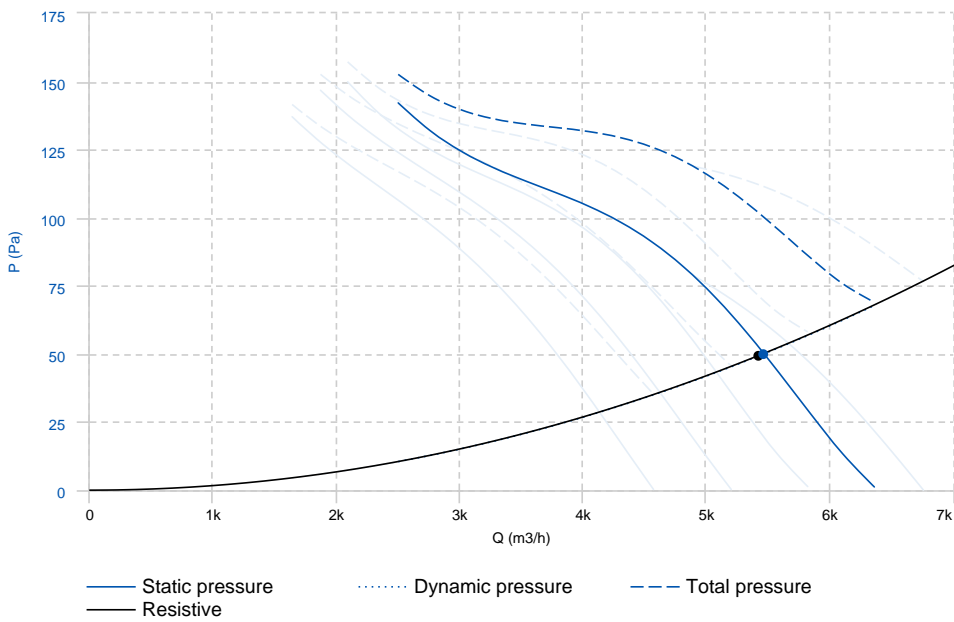
ORGANISM: L.O.M.

CERTIFICAT N°: LOM 17.755X-C

In compliance with the Directive 2014/34/UE

PERFORMANCE CURVE

20°C 0m 1.2 Kg/m³



Design point	
Flow (m3/h)	5424.06
Pressure (Pa)	49.46
Service point	
Angle	40
T.max (°C)	60
Q (m3/h)	5463.55
Ps (Pa)	50.18
Pd (Pa)	50.02
Pt (Pa)	100.2
Speed (m/s)	9.13
Security coefficient	1.2
Efficiency (%)	50.16
Pwmec (kW)	0.31
Precom (kW)	0,37

TECHNICAL DATA

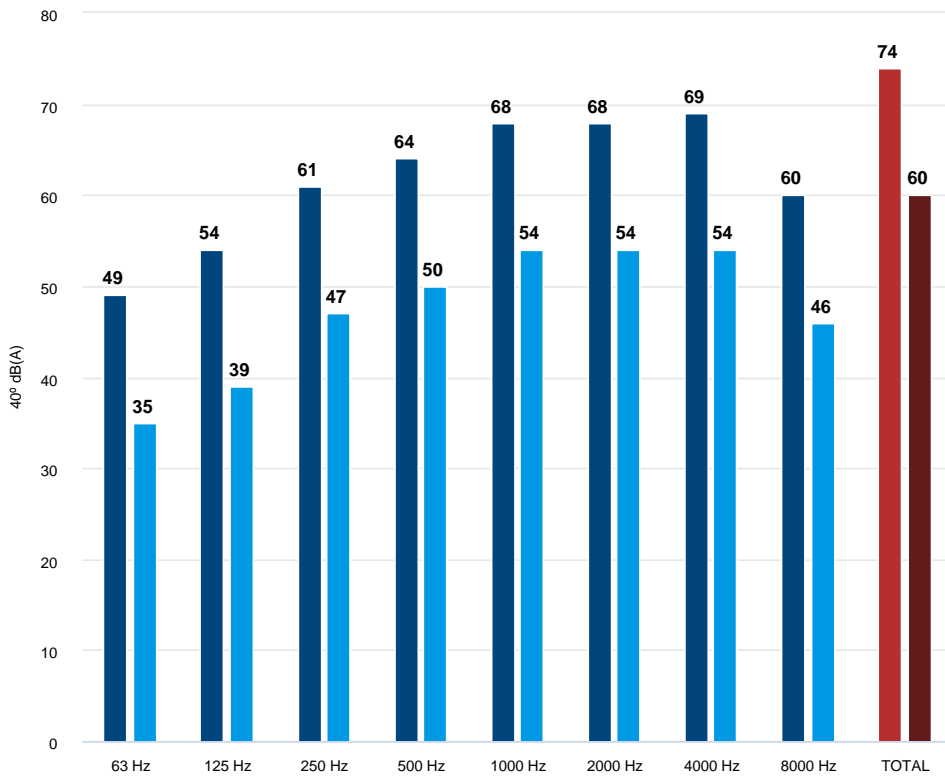
Fan

RPM	Approx. weight	70.7 kg	Max. Flow	6350 m3/h
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Motor

Power	0,37 kW	RPM	1410	I max. (400V)	1,2 A	Size	71
Approx. weight	7 kg	Efficiency (%)	66 %	FP	0.73		

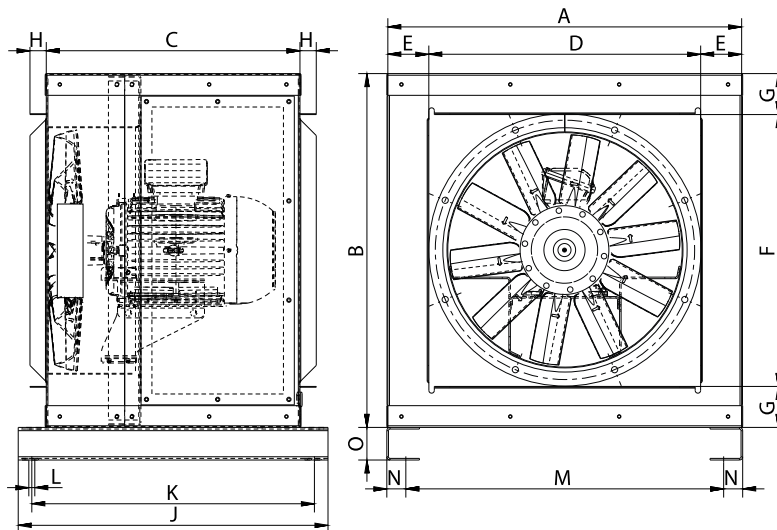
ACOUSTIC DATA



Sound power	
63 Hz	49
125 Hz	54
250 Hz	61
500 Hz	64
1000 Hz	68
2000 Hz	68
4000 Hz	69
8000 Hz	60
TOTAL	74

Sound pressure 1.5m (in)	
63 Hz	35
125 Hz	39
250 Hz	47
500 Hz	50
1000 Hz	54
2000 Hz	54
4000 Hz	54
8000 Hz	46
TOTAL	60

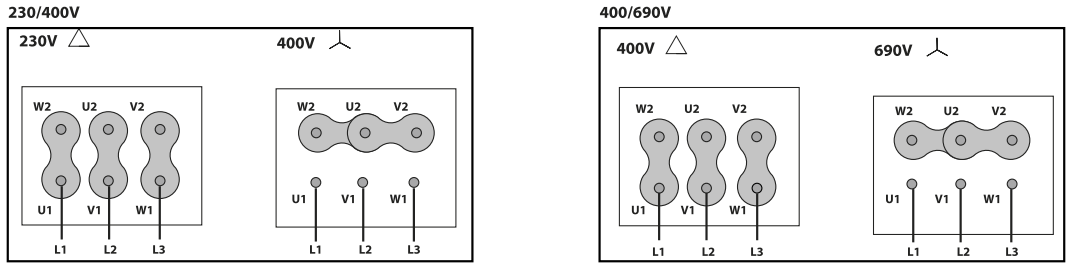
DIMENSIONS



Dimensions (mm)

A	651	B	651	C	467	D	500	E	75
F	500	G	75	H	30	J	570	K	520
L	11	M	585	N	35	O	60		


WIRING DIAGRAM




ACCESSORIES



**ANTI-VIBRATION JOINT
JE 45
REF: 300719201**



**ANTI-VIBRATION RUBBER BLOCK
AVR (GENERIC)**



**FREQUENCY SPEED CONTROLLER
SFC (GENERIC)**



**ANTI-VIBRATION SPRING BLOCK
AVS (GENERIC)**



**ATEX SWITCH
INT ATEX (GENERIC)**