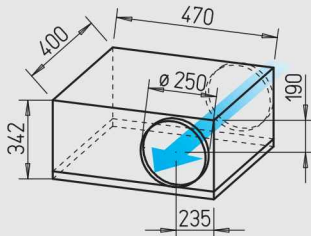


SilentBox® SB 250 C



Virtually noise-free with high air flow volumes against high resistances. Ideal for maintenance and cleaning.

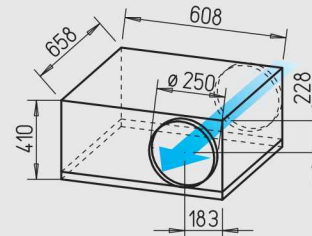


Dim. in mm

SilentBox® SB 250 E



Virtually noise-free with high air flow volumes against high resistances. Ideal for maintenance and cleaning.



Dim. in mm

■ Similarities
SB 250 C and E

□ Installation

Installation in any position without restriction – horizontally, vertically or pitched – suitable for intake or extract.

□ Motor

Totally enclosed external rotor motor with ball bearings, impregnated windings insulation class F, designed for continuous operation, maintenance free and interference-free.

□ Motor protection

With thermal contacts wired in series with the windings. To reset the thermal contacts the main supply must be switched off and on.

□ Speed control

Stepless 0 – 100 % by use of electronic controller or 5 step transformer controller (see table).

□ Electrical connection

Terminal box (IP 54) is supplied with a 60 cm long electric cable.

□ Protection class

IP 44.

■ Specification SB 250 C

□ Casing

Like an internal attenuator. Acoustically lined with abrasive resistant 50 mm thick mineral fibreboard. For quick release clamps permit easy access to motor scroll and impeller set. Extractable motor and impeller unit. Spigots on intake and exhaust twin-seal rubber gaskets fit standard ducts. All parts manufactured from galvanised sheet steel.

□ Impeller

Low noise forward curved centrifugal impeller, housed within an aerodynamically shaped scroll from galvanised steel. Bell mouth shaped inlet ring to achieve optimum air flow.

■ Specification SB 250 E

□ Casing

Acoustically lined with abrasive resistant 50 mm thick mineral fibreboard. Four quick release clamps permit easy access to motor scroll and impeller set. Swing out motor and impeller unit. Spigots on intake and exhaust twin-seal rubber gaskets fit standard ducts. All parts manufactured from galvanised sheet steel.

□ Impeller

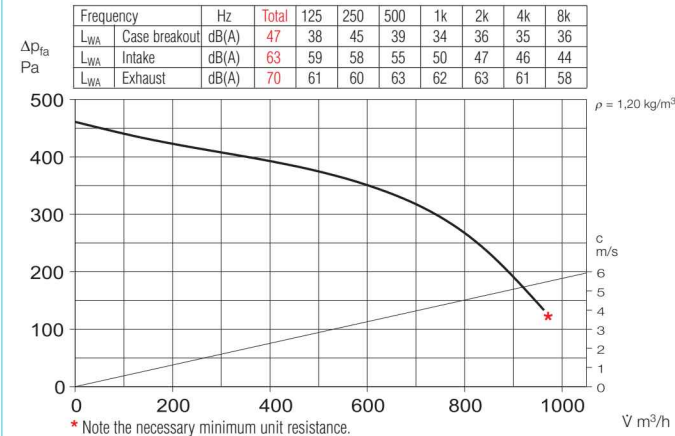
Low noise forward curved centrifugal impeller, housed within an aerodynamically shaped scroll from galvanised steel. Bell mouth shaped inlet ring to achieve optimum air flow.

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Modular system	294

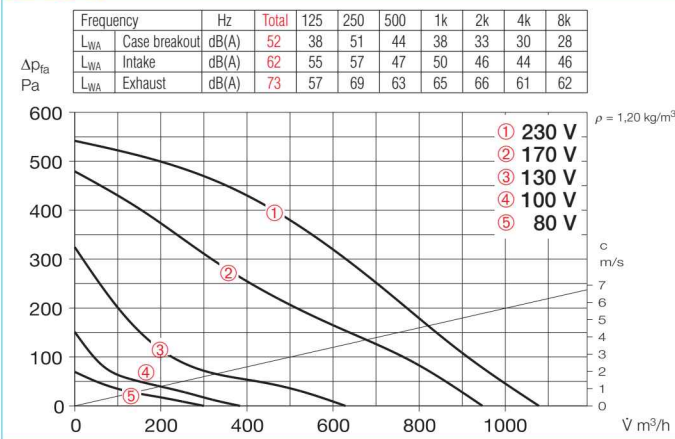
Type	Ref. no.	Air flow volume (FID)	R.P.M.	Sound press. case breakout	Motor power	Current		Wiring diagram	max. air flow temp.		Weight net approx.	Transformer-speed controller 5-step		Electronic* speed controller, stepless flush / surface	
						full load	control		full load	control		Type	Ref. no.	Type	Ref. no.
Type SilentBox® SB, 1 ph. motor, 230 V, 50 Hz, capacitor motor, IP 44 (C), IP 33 (E)															
SB 250 C	9512	960	2120	43	255	1.13	1.13	508	50	50	18.0	TSW 1,5	1495	ESU 3 / ESA 3	0237 / 0239
SB 250 E	9565	1080	2690	45	165	0.71	0.86	508	70	50	33.4	TSW 1,5	1495	ESU 1 / ESA 1	0236 / 0238

* In noise relevant cases, transformer controllers must be provided. An electronic controller can trigger a distracting magnetisation noise.

SB 250 C



SB 250 E



Sound levels

Total sound power levels and the spectrum figures in dB(A) are given for

- Sound level case breakout
- Sound level intake/exhaust

The type table also shows

- Sound pressure case breakout and intake air noise specified as sound pressure in 1 m (free field conditions).

It should be noted that the intake sound level is less than the exhaust sound level.

Accessory details Page

Filters, heater batteries and attenuators	421 on
Temperature control systems for heater batteries	427, 431 on
Flexible ventilation ducting, Grilles, adaptors, roof terminations	487 on
Valves	508 on
Speed controllers, switches	525 on

Accessories

Flexible sleeve

Type FM 250 Ref. no. 1672
Supplied with two hose clips as standard; for installation between fan and duct system. Prevents sound and vibration transmission to ducting and corrects small site misalignments. For intake or extract two sleeves are needed for complete isolation.



Gravity shutter

Type VK 250 Ref. no. 0759
Automatic made from polymer, light grey.



Fixed grille

Type RAG 250 Ref. no. 0751
For covering air inlets and outlets on facades. Made from polymer, light grey.



Guard

Type SGR 250 Ref. no. 5067
For intake and extract installation. Made from galvanised steel.



Backdraught shutter

Type RSK 250 Ref. no. 5673
Automatic, made from metal.



Flexible circular attenuator

Type FSD 250 Ref. no. 0680
Spigotted aluminium attenuator with 50 mm insulation. Length 1 m.



Air filter box

LFBR 250 G4 Ref. no. 8580
LFBR 250 F7 Ref. no. 8534
Air filter with large surface area for installation in ducting.

Electric heater battery

EHR-R 6/250 6,0 kW No. 8712
– with integrated temp. control
EHR-R 6/250 TR 6,0 kW No. 5296
Room or duct sensor (TFK/TFR, accessories) required.



Temperature control system for electric heater battery EHR-R
Type EHS Ref. no. 5002



Warm water heater battery

Type WHR 250 Ref. no. 9483
Compact heat exchanger for in-line installation.



Temperature control system for warm water heater battery
Type WHS HE Ref. no. 8319

