

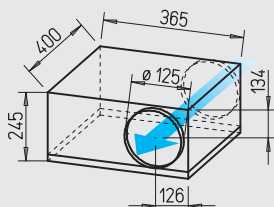
SilentBox® SB



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



Efficiency class
F

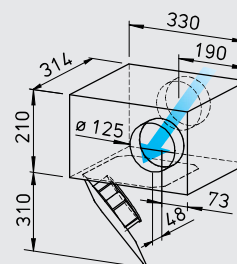


Dim, in mm

SlimVent SVS



Ultra low profile. Ideal for applications with limited installation space. With sound-insulating mineral wool lining for particularly noise-free operation.



Dim, in mm

■ **Similarities SB and SVS**

□ **Installation**

Installation in any position without restriction – horizontally, vertically or pitched – suitable for intake or extract (Exception: SVS must not be installed with the swing-out motor-impeller unit facing upward).

□ **Motor**

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

■ **Specification SilentBox®**

□ **Casing**

Like an internal attenuator, 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. Spigots on intake and exhaust fit 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.

□ **Electrical connection**

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

□ **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 % using electronic controller or 5 step transformer controller (see table).

□ **Protection class**

IP 44

■ **Specification SlimVent SVS**

□ **Casing**

Extremely flat casing in longer design with more than 50 mm thick sound-absorbing mineral wool lining and glass fibre surface. The acoustic box which is placed in front of the fan reduces the sound level for the intake significantly. The sound pressure level is reduced to a smaller extent (see sound levels in the tables above the performance curves).

□ The swing out motor and impeller unit permits maintenance and cleaning without disassembly of system components. The swing-out range must be considered for the inspection flap.

□ **Impeller**

Energy-saving centrifugal impeller with backward curved blades from high quality polymer. Dynamically balanced for low noise operation.

□ **Electrical connection**

Terminal box (IP 54) mounted on running cable.

□ **Motor protection**

With thermal contacts wired in series with the windings which automatically reset after cooling.

□ **Speed control**

Stepless 0 – 100 % by use of electronic controller or 5 step transformer controller (see table) or 2 speed operation with DS 2/2 (accessories).

Type DS 2/2 Ref. no. 1267

□ **Protection class**

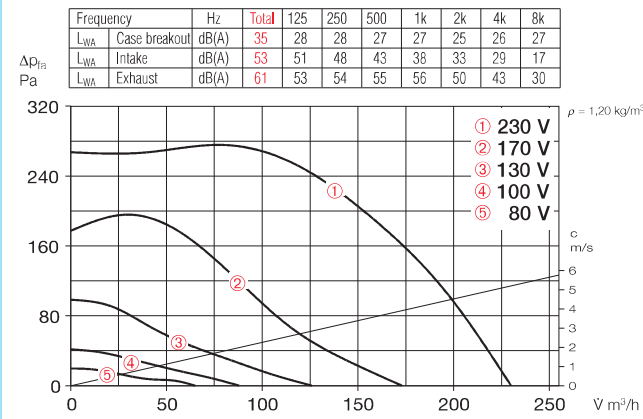
When installed in ducting the fan is rated IP 44.

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.
		∇ m ³ /h	min ⁻¹	db(A) in 1 m	W	A	A	No.	+°C	+°C	kg	Type	Ref. no.	Type	Ref. no.
Type SilentBox® SB, 1 ph. motor, 230 V, 50 Hz, capacitor motor, IP 44															
SB 125 A	9506	230	1130	28	61	0.27	0.27	508	80	80	12.0	TSW 0,3	3608	ESU 1 / ESA 1	0236 / 0238
SB 125 C	9562	440	1850	37	122	0.53	0.53	508	65	65	12.0	TSW 1,5	1495	ESU 1 / ESA 1	0236 / 0238
Type SVS, 1 ph. motor, 230 V, 50 Hz, capacitor motor, IP 33															
SVS 125 B	0130	400/270 ¹⁾	2570/1710 ¹⁾	45/36 ¹⁾	61/45 ¹⁾	0.27/0.20 ¹⁾	0.26 ¹⁾	934.1	60	60	5.9	TSW 1,5	1495	ESU 1 / ESA 1	0236 / 0238

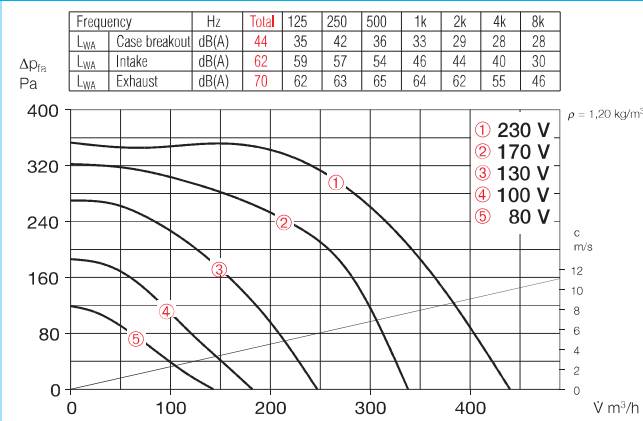
¹⁾ Values refer to the two speed stages (see characteristic curve).

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

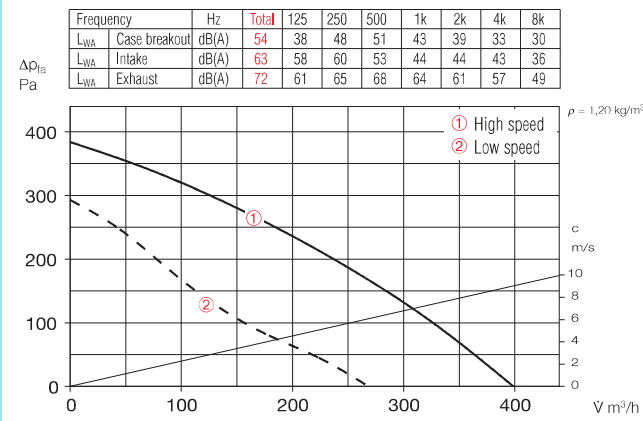
SB 125 A



SB 125 C



SVS 125 B



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).

For the SB types, it should be noted that the intake sound level is less than the exhaust sound level.

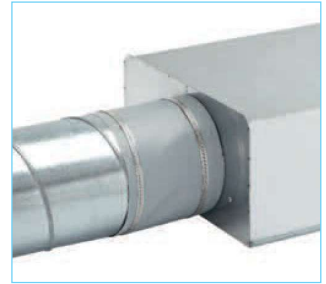
Accessory details Page

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 125 Ref. no. 1682
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 125 Ref. no. 0857
Automatic made from polymer, white.



Fixed grille

Type G 160 Ref. no. 0893
Made from polymer, white.



Guard

Type SGR 125 Ref. no. 5064
For intake and extract installation. Made from powder-coated steel wire.



Backdraught shutter

Type RSKK 125 Ref. no. 5107
Automatic, made from polymer.



Flexible circular attenuator

Type FSD 125 Ref. no. 0677
Spigotted aluminium attenuator with 50 mm insulation. Length 1 m.



Air filter box

LFBR 125 G4 Ref. no. 8577
LFBR 125 F7 Ref. no. 8531
Air filter with large surface area for installation in ducting.



Electric heater battery

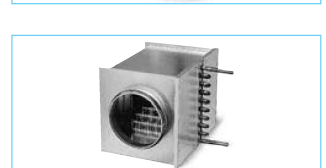
EHR-R 0,8/125 0,8 kW No. 8709
EHR-R 1,2/125 1,2 kW No. 9433
– with integrated temp. control
EHR-R 0,8/125 TR 0,8 kW No. 5293
Room or duct sensor (TFK/TFR, accessories) required.



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

Warm water heater battery

Type WHR 125 Ref. no. 9480
Compact heat exchanger for in-line installation.



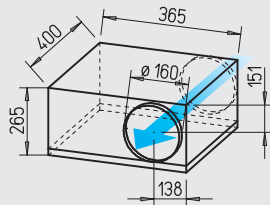
Temperature control system for warm water heater battery
Type WHST 300 T38 No. 8817



SilentBox® SB



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

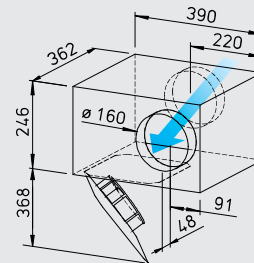


Dim, in mm

SlimVent SVS



Ultra low profile. Ideal for applications with limited installation space. With sound-insulating mineral wool lining for particularly noise-free operation.



Dim, in mm

Similarities SB and SVS

Installation

Installation in any position without restriction – horizontally, vertically or pitched – suitable for intake or extract (Exception: SVS must not be installed with the swing-out motor-impeller unit facing upward).

Motor

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

Sound levels See page 359.

Specification SilentBox®

Casing

Like an internal attenuator. 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. 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.

Electrical connection

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

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 % using electronic controller or 5 step transformer controller (see table).

Protection class

IP 44

Specification SlimVent SVS

Casing

Extremely flat casing in longer design with more than 50 mm thick sound-absorbing mineral wool lining and glass fibre surface. The acoustic box which is placed in front of the fan reduces the sound level for the intake significantly. The sound pressure level is reduced to a smaller extent (see sound levels in the tables above the performance curves).

The swing out motor and impeller unit permits maintenance and cleaning without disassembly of system components. The

swing-out range must be considered for the inspection flap.

Impeller

Energy-saving centrifugal impeller with backward curved blades from high quality polymer. Dynamically balanced for low noise operation.

Electrical connection

Terminal box (IP 54) mounted on running cable.

Motor protection

With thermal contacts wired in series with the windings which automatically reset after cooling.

Speed control

Stepless 0 – 100 % by use of electronic controller or 5 step transformer controller (see table) or 2 speed operation with DS 2/2 (accessories).

Type DS 2/2 Ref. no. 1267

Protection class

When installed in ducting the fan is rated IP 44.

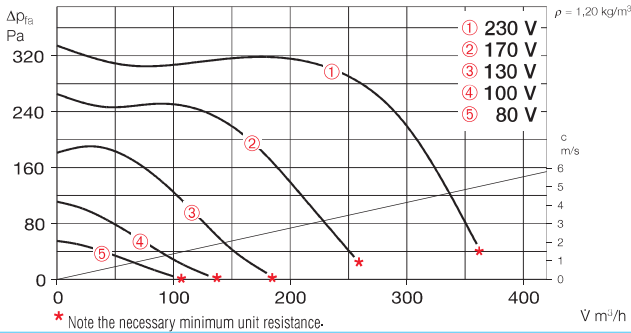
Type	Ref. no.	Air flow volume (FID)	R.P.M.	Sound press. case breakout	Motor power	Current		Wiring diagram	max. air flow temp.		Weight net approx.	Transformer-speed controller 5-step		Electronic* speed controller, stepless flush / surface	
						full load	control		full load	control		Type	Ref. no.	Type	Ref. no.
		∇ m³/h	min⁻¹	db(A) in 1 m	W	A	A	No.	+°C	+°C	kg	Type	Ref. no.	Type	Ref. no.
Type SilentBox® SB, 1 ph. motor, 230 V, 50 Hz, capacitor motor, IP 44 (B), IP 33 (D)															
SB 160 B	9508	360	1650	36	105	0.46	0.46	508	65	65	13.0	TSW 1,5	1495	ESU 1 / ESA 1	0236 / 0238
SB 160 D	9563	580	2220	43	164	0.72	0.72	508	60	60	10.3	TSW 1,5	1495	ESU 1 / ESA 1	0236 / 0238
Type SVS, 1 ph. motor, 230 V, 50 Hz, capacitor motor, IP 33															
SVS 160 K	0131	440/300 ¹⁾	2560/1730 ¹⁾	44/35 ¹⁾	61/45 ¹⁾	0.26/0.20 ¹⁾	0.26 ¹⁾	934.1	60	60	7.6	TSW 1,5	1495	ESU 1 / ESA 1	0236 / 0238
SVS 160 L	2653	670/390 ¹⁾	2520/1530 ¹⁾	50/39 ¹⁾	108/69 ¹⁾	0.47/0.30 ¹⁾	0.45 ¹⁾	934.1	60	60	7.8	TSW 1,5	1495	ESU 1 / ESA 1	0236 / 0238

¹⁾ Values refer to the two speed stages (see characteristic curve).

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

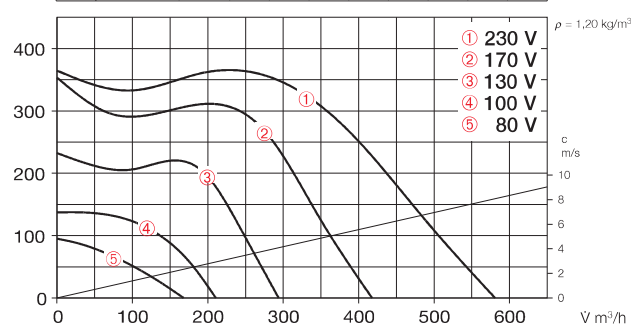
SB 160 B

Frequency	Hz	Total	125	250	500	1k	2k	4k	8k
L _{WA} Case breakout	dB(A)	43	40	39	34	32	28	27	27
L _{WA} Intake	dB(A)	61	59	56	50	44	39	35	26
L _{WA} Exhaust	dB(A)	68	61	61	62	61	58	53	44



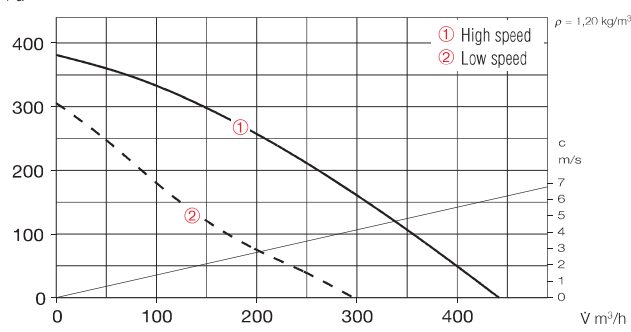
SB 160 D

Frequency	Hz	Total	125	250	500	1k	2k	4k	8k
L _{WA} Case breakout	dB(A)	50	47	44	41	34	32	30	28
L _{WA} Intake	dB(A)	67	65	60	53	44	48	46	45
L _{WA} Exhaust	dB(A)	79	68	71	72	69	71	69	69



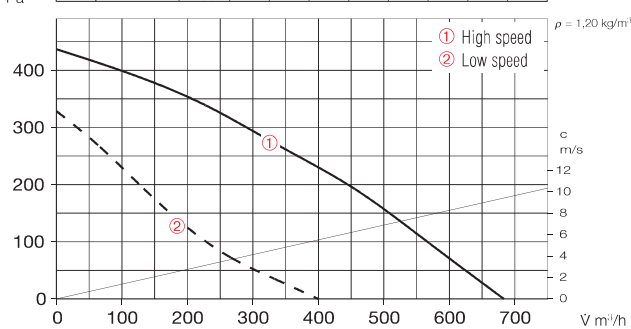
SVS 160 K

Frequency	Hz	Total	125	250	500	1k	2k	4k	8k
L _{WA} Case breakout	dB(A)	52	38	47	50	40	37	32	31
L _{WA} Intake	dB(A)	63	58	61	50	40	45	44	38
L _{WA} Exhaust	dB(A)	70	60	66	65	59	56	56	48



SVS 160 L

Frequency	Hz	Total	125	250	500	1k	2k	4k	8k
L _{WA} Case breakout	dB(A)	58	40	53	55	46	44	38	31
L _{WA} Intake	dB(A)	66	60	64	58	50	47	48	35
L _{WA} Exhaust	dB(A)	75	62	67	73	66	63	63	51

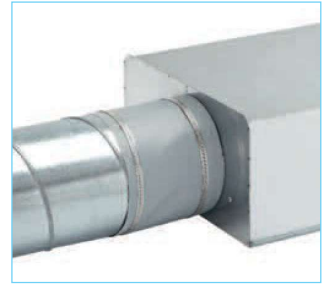


Accessories

Flexible sleeve

Type FM 160 Ref. no. 1684

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 160 Ref. no. 0892

Automatic made from polymer, white.



Fixed grille

Type G 160 Ref. no. 0893

Made from polymer, white.



Guard

Type SGR 160 Ref. no. 5069

For intake and extract installation. Made from galvanised steel.



Backdraught shutter

Type RSK 160 Ref. no. 5669

Automatic, made from metal.



Flexible circular attenuator

Type FSD 160 Ref. no. 0678

Spigotted aluminium attenuator with 50 mm insulation. Length 1 m.



Air filter box

LFBR 160 G4 Ref. no. 8578

LFBR 160 F7 Ref. no. 8532

Air filter with large surface area for installation in ducting.



Electric heater battery

EHR-R 1,2/160 1,2 kW No. 9434

EHR-R 2,4/160 2,4 kW No. 9435

EHR-R 5/160 5,0 kW No. 8710

– with integrated temp. control

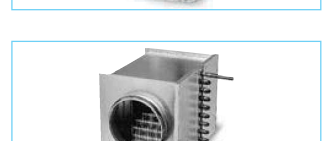
EHR-R 2,4/160 TR 2,4 kW No. 5294

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 160 Ref. no. 9481

Compact heat exchanger for in-line installation.



Temperature control system for warm water heater battery

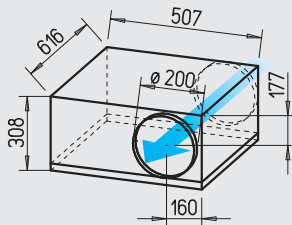
Type WHST 300 T38 No. 8817



SilentBox® SB



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



Dim, in mm

■ Similarities SB and SVS

□ Installation

Installation in any position without restriction – horizontally, vertically or pitched – suitable for intake or extract (Exception: SVS must not be installed with the swing-out motor-impeller unit facing upward).

□ Motor

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

■ Specification SilentBox®

□ Casing

Like an internal attenuator, 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.

Spigots on intake and exhaust twin-seal rubber gaskets fit standard ducts. All parts manufactured from galvanised sheet steel.

□ Impeller

With backward curved high-quality polymer blades. Inflow via inlet cone.

□ Electrical connection

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

□ 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 % using electronic controller or 5 step transformer controller (see table).

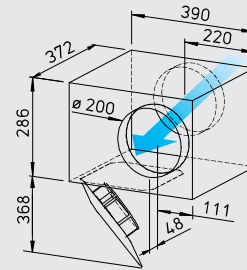
□ Protection class

IP 44

SlimVent SVS



Ultra low profile. Ideal for applications with limited installation space. With sound-insulating mineral wool lining for particularly noise-free operation.



Dim, in mm

■ Specification SlimVent SVS

□ Casing

Extremely flat casing in longer design with more than 50 mm thick sound-absorbing mineral wool lining and glass fibre surface. The acoustic box which is placed in front of the fan reduces the sound level for the intake significantly. The sound pressure level is reduced to a smaller extent (see sound levels in the tables above the performance curves).

The swing out motor and impeller unit permits maintenance and cleaning without disassembly of system components. The swing-out range must be considered for the inspection flap.

□ Impeller

Energy-saving centrifugal impeller with backward curved polymer blades from high quality polymer. Dynamically balanced for low noise operation.

□ Electrical connection

Terminal box (IP 54) mounted on running cable.

□ Motor protection

With thermal contacts wired in series with the windings which automatically reset after cooling.

□ Speed control

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

□ Protection class

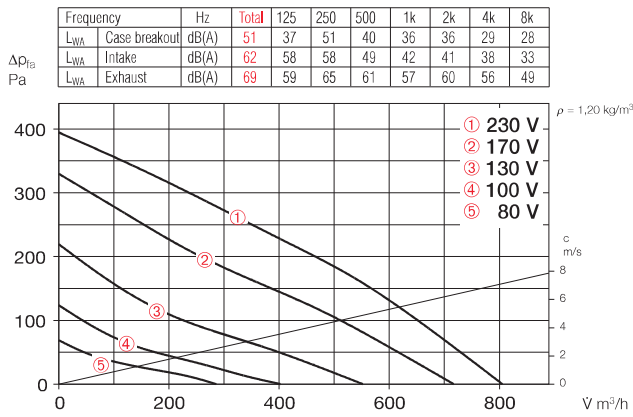
When installed in ducting the fan is rated IP 44.

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Modular system	294

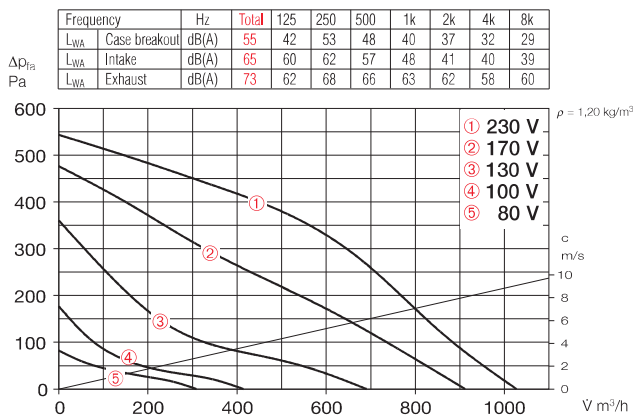
Type	Ref. no.	Air flow volume (FID)	R.P.M.	Sound press. case breakout	Motor power	Current		Wiring diagram	max. air flow temp.		Weight net approx.	Transformer-speed controller 5-step		Electronic* speed controller, stepless flush / surface	
						full load	control		full load	control		Type	Ref. no.	Type	Ref. no.
Type SilentBox® SB, 1 ph. motor, 230 V, 50 Hz, capacitor motor, IP 33															
SB 200 C	9510	810	2520	44	105	0.46	0.46	508	70	70	19.0	TSW 1,5	1495	ESU 1 / ESA 1	0236 / 0238
SB 200 D	9564	1030	2700	48	160	0.69	0.83	508	70	50	19.7	TSW 1,5	1495	ESU 1 / ESA 1	0236 / 0238
Type SVS, 1 ph. motor, 230 V, 50 Hz, capacitor motor, IP 33															
SVS 200 K	0132	940	2710	55	163	0.71	0.83	508	70	50	9.2	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.

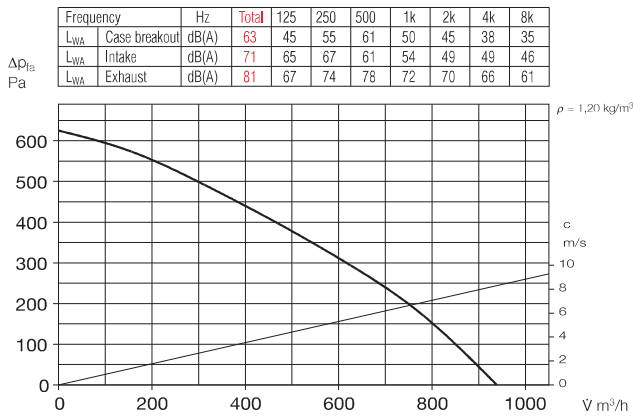
SB 200 C



SB 200 D



SVS 200 K



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).

For the SB types, it should be noted that the intake sound level is less than the exhaust sound level.

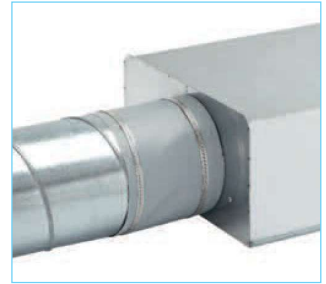
Accessory details Page

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 200 Ref. no. 1670
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 200 Ref. no. 0758
Automatic made from polymer, light grey.



Fixed grille

Type RAG 200 Ref. no. 0750
For covering air inlets and outlets on facades. Made from polymer, light grey.



Guard

Type SGR 200 Ref. no. 5066
For intake and extract installation. Made from galvanised steel.



Backdraught shutter

Type RSK 200 Ref. no. 5074
Automatic, made from metal.



Flexible circular attenuator

Type FSD 200 Ref. no. 0679
Spigotted aluminium attenuator with 50 mm insulation. Length 1 m.



Air filter box

LFBR 200 G4 Ref. no. 8579
LFBR 200 F7 Ref. no. 8533
Air filter with large surface area for installation in ducting.



Electric heater battery

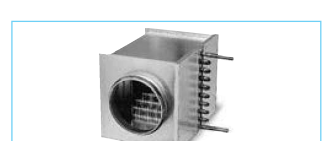
EHR-R 1,2/200 1,2 kW No. 9436
EHR-R 2/200 2,0 kW No. 9437
EHR-R 5/200 5,0 kW No. 8711
– with integrated temp. control
EHR-R 5/200 TR 5,0 kW No. 5295
Room or duct sensor (TFK/TFR, accessories) required.



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

Warm water heater battery

Type WHR 200 Ref. no. 9482
Compact heat exchanger for in-line installation.



Temperature control system for warm water heater battery
Type WHST 300 T38 No. 8817

