



Acoustic Line from Helios.  
Ventilation doesn't get any quieter.

LOW-NOISE



Acoustic Line in-line fans guarantee the lowest possible sound level for the intake side and casing-borne noise. They are suitable for use in the residential, commercial and industrial sectors and equipped with impellers capable of high-performance that are simultaneously energy-efficient and quiet impellers. Casing designed for sound insulation with 50 mm thick mineral wool lining also ensure particularly quiet operation.

HELIOS SILENTBOX®



Ø 125 to 400 mm  
V = 230 – 4760 m³/h

The Helios SilentBox® is the clever solution for exhaust air and outdoor air ventilation systems with specific requirements on the noise level. With a sound-insulated casing for almost silent operation. The removable casing cover and the removable fan unit are ideal when it comes to maintenance and cleaning.

HELIOS SLIMVENT



Ø 125 to 315 mm  
V = 400 – 1630 m³/h

The flat SlimVent models are only slightly larger than the duct diameter and allow for simple, space-saving installation in any chosen location. The high pressure allows for longer stretches of ducting and overcomes further system resistance. Minimal noise levels are achieved thanks to the complete mineral wool lining.





In-line fans

Acoustic Line

Energy-efficient  
EC version

**344<sup>on</sup>**

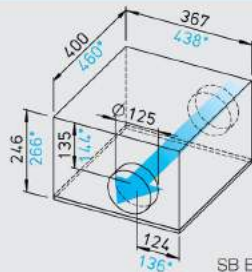
Acoustic Line

Standard AC types

**358<sup>on</sup>**

**SilentBox® SB EC**

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

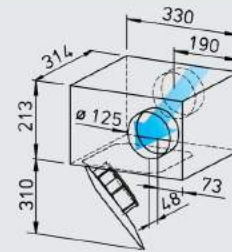


Dim. in mm

SB EC 125 A, \*SB EC 125 B

**SlimVent SVS EC**

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**

**SilentBox® SB EC and SlimVent SVS EC**

□ **Installation**

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

□ **Motor**

Energy saving, speed controllable EC-external rotor motors with highest efficiency, protection to IP 44 (SB EC 125 A IP 54). With ball bearings, maintenance-free and interference-free. Dynamically balanced for low noise operation.

□ **Speed control**

Stepless speed control with potentiometer or stepless speed control with universal control system (see table). Duties at different speeds are exemplarily given in the performance curve.

□ **Motor protection**

Integrated electronic temperature monitoring for EC-motor and electronics.

□ **Sound levels**

See page 351.

■ **Specification SilentBox® EC**

□ **Casing**

Like an internal attenuator. Acoustically lined with abrasive resistant 50 mm thick mineral fibreboard. Four quick release clamps permit easy access to the impeller set. Motor-impeller unit can be pulled out, the pull-out range must be considered. Spigots on intake and exhaust twin-seal rubber gaskets fit standard ducts. All parts manufactured from galvanised sheet steel.

□ **Impeller**

With backward curved impeller. Inflow via inlet cone. SB EC 125 A forward curved

impeller in aerodynamically optimised volute casing, galvanised sheet steel.

□ **Electrical connection**

Terminal box (IP 54) mounted on running cable.

□ **Protection class**

With a connected pipe system IP 44 (SB EC 125 A IP 54).

■ **Specification SlimVent SVS EC**

□ **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 level of the case breakout 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 of the motor-impeller unit must be considered.

□ **Impeller**

Energy-saving centrifugal impeller with backward curved blades from high quality polymer.

□ **Electrical connection**

Terminal box (IP 54) mounted on running cable.

□ **Protection class**

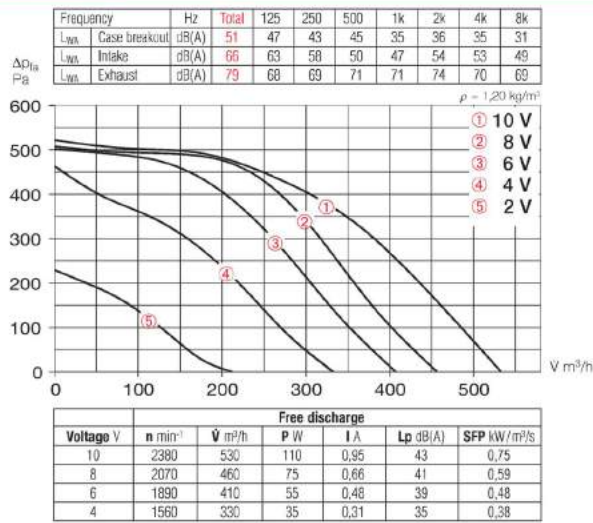
With a connected pipe system IP 44.

Type	Ref. no.	Connection Ø	Air flow volume (FID)	R.P.M.	Sound press. case breakout	Motor power	Current	Wiring diagram	max. air flow temperature	Weight net approx.	Universal control system		Speed-potentiometer flush		surface	
											Type	Ref. no.	Type	Ref. no.	Type	Ref. no.
<b>Type SilentBox® SB EC, 1 ph. motor, 230 V, 50/60 Hz, EC motor, IP 54 (A), IP 44 (B)</b>																
SB EC 125 A	6132	125	530	2790	43	0.12	1.00	979	60	10.0	EUR EC <sup>1)2)</sup> 1347	PU 10 <sup>1)</sup>	1734	PA 10 <sup>1)</sup>	1735	
SB EC 125 B	9624	125	600	3680	45	0.12	0.93	979	60	12.0	EUR EC <sup>1)2)</sup> 1347	PU 10 <sup>1)</sup>	1734	PA 10 <sup>1)</sup>	1735	
<b>Type SVS EC, 1 ph. motor, 230 V, 50/60 Hz, EC motor, IP 44</b>																
SVS EC 125	0016	125	590	3670	54	0.12	0.93	979	60	5.8	EUR EC <sup>1)2)</sup> 1347	PU 10 <sup>1)</sup>	1734	PA 10 <sup>1)</sup>	1735	

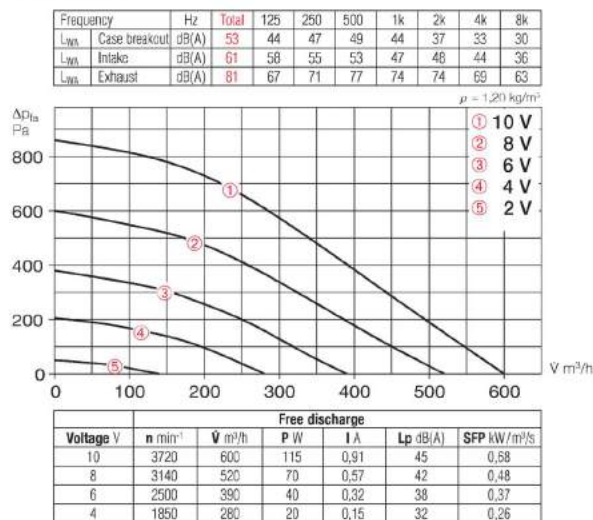
<sup>1)</sup> Several EC fans can normally be connected. <sup>2)</sup> alternative electronic differential pressure/temp. controller (EDR/ETR, No. 1437/1438) or three step speed controller (SU/SA, No. 4266/4267), see accessories.



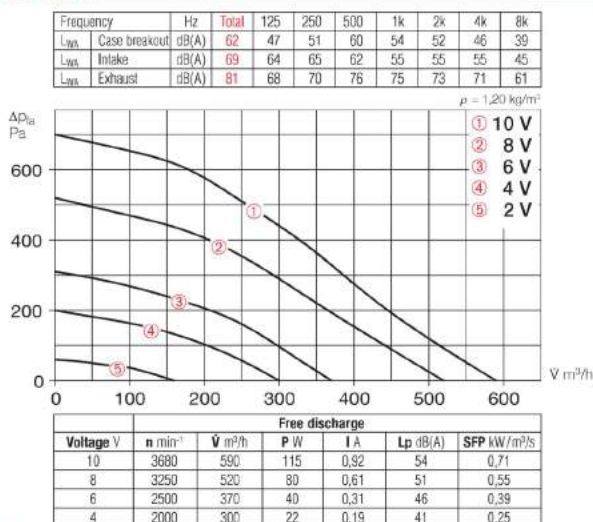
### SB EC 125 A



### SB EC 125 B



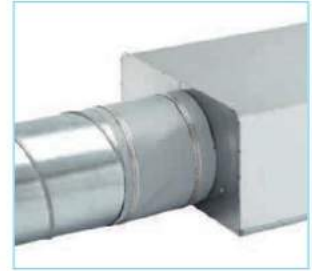
### SVS EC 125



### 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.



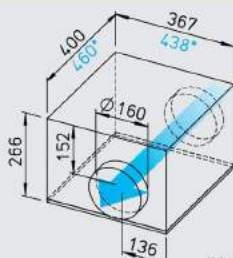
#### Temperature control system for

warm water heater battery  
**Type WHST 300 T38** No. 8817



### SilentBox® SB EC

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

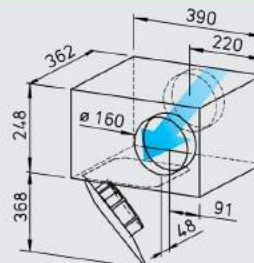


Dim. in mm

SB EC 160 A, \*SB EC 160 B

### SlimVent SVS EC

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 SilentBox® SB EC and SlimVent SVS EC

##### Installation

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

##### Motor

Energy saving, speed controllable EC-external rotor motors with highest efficiency, protection to IP 44 (SB EC 160 A IP 54). With ball bearings, maintenance-free and interference-free. Dynamically balanced for low noise operation.

##### Speed control

Stepless speed control with potentiometer or stepless speed control with universal control system (see table). Duties at different speeds are exemplarily given in the performance curve.

##### Motor protection

Integrated electronic temperature monitoring for EC-motor and electronics.

##### Sound levels

See page 351.

#### Specification SilentBox® EC

##### Casing

Like an internal attenuator. Acoustically lined with abrasive resistant 50 mm thick mineral fibreboard. Four quick release clamps permit easy access to the impeller set. Motor-impeller unit can be pulled out, the pull-out range must be considered. Spigots on intake and exhaust fitted with twin-seal rubber gaskets fit standard ducts. All parts manufactured from galvanised sheet steel.

##### Impeller

With backward curved impeller. Inflow via inlet cone. SB EC 160 A forward curved

impeller in aerodynamically optimised volute casing, galvanised sheet steel.

##### Electrical connection

Terminal box (IP 54) mounted on running cable.

##### Protection class

With a connected pipe system IP 44 (SB EC 160 A IP 54).

#### Specification SlimVent SVS EC

##### 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 level of the case breakout 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 of the motor-impeller unit must be considered.

##### Impeller

Energy-saving centrifugal impeller with backward curved blades from high quality polymer.

##### Electrical connection

Terminal box (IP 54) mounted on running cable.

##### Protection class

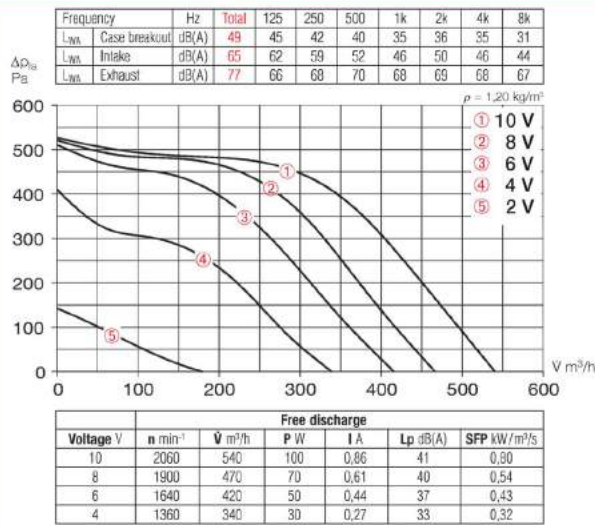
With a connected pipe system IP 44.

Type	Ref. no.	Connection Ø	Air flow volume (FID)	R.P.M.	Sound press. case breakout	Motor power	Current	Wiring diagram	max. air flow temperature	Weight net approx.	Universal control system		Speed-potentiometer flush		Speed-potentiometer surface	
											Type	Ref. no.	Type	Ref. no.	Type	Ref. no.
mm																
			∇ m³/h	min⁻¹	dB(A) in 1 m	kW	A	No.	+ °C	kg	Type	Ref. no.	Type	Ref. no.	Type	Ref. no.
<b>Type SilentBox® SB EC, 1 ph. motor, 230 V, 50/60 Hz, EC motor, IP 54 (A), IP 44 (B)</b>																
SB EC 160 A	6136	160	540	2640	41	0.12	0.98	979	60	10.0	EUR EC <sup>1) 2)</sup>	1347	PU 10 <sup>1)</sup>	1734	PA 10 <sup>1)</sup>	1735
SB EC 160 B	9625	160	670	3630	45	0.11	0.89	979	60	12.0	EUR EC <sup>1) 2)</sup>	1347	PU 10 <sup>1)</sup>	1734	PA 10 <sup>1)</sup>	1735
<b>Type SVS EC, 1 ph. motor, 230 V, 50/60 Hz, EC motor, IP 44</b>																
SVS EC 160 A <sup>3)</sup>	0017	160	620	3650	55	0.12	0.93	979	60	8.0	EUR EC <sup>1) 2)</sup>	1347	PU 10 <sup>1)</sup>	1734	PA 10 <sup>1)</sup>	1735
SVS EC 160 B	0018	160	800	3100	55	0.13	1.04	979	60	7.6	EUR EC <sup>1) 2)</sup>	1347	PU 10 <sup>1)</sup>	1734	PA 10 <sup>1)</sup>	1735

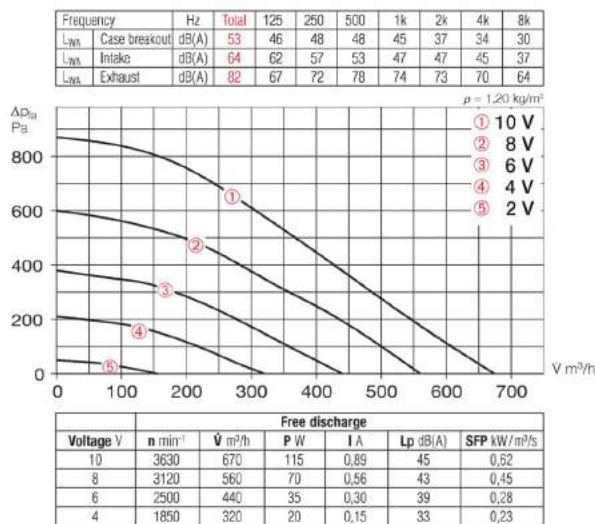
<sup>1)</sup> Several EC fans can normally be connected. <sup>2)</sup> alternative electronic differential pressure/temp. controller (EDR/ETR, No. 1437/1438) or three step speed controller (SU/SA, No. 4266/4267), see accessories. <sup>3)</sup> See performance curve on www.HeliosSelect.de



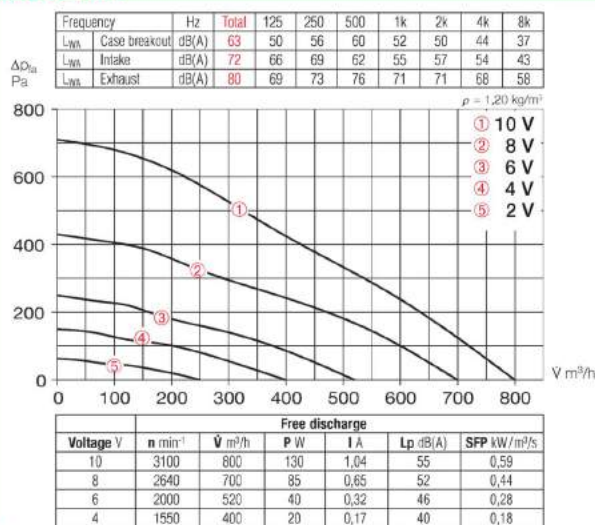
### SB EC 160 A



### SB EC 160 B



### SVS EC 160 B



### 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.

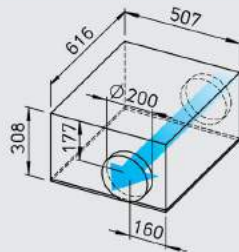


Temperature control system for warm water heater battery  
**Type WHST 300 T38** No. 8817



**SilentBox® SB EC**

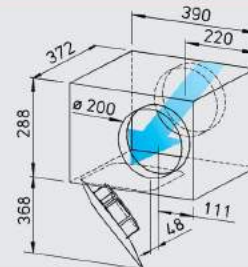
Virtually noise-free with high air flow volumes against high resistances. Ideal for maintenance and cleaning.



Dim. in mm

**SlimVent SVS EC**

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 SilentBox® SB EC and SlimVent SVS EC**

- Installation**  
Installation in any position without restriction – horizontally, vertically or pitched – suitable for intake or extract. Mounting bracket included in delivery.
- Motor**  
Energy saving, speed controllable EC-external rotor motors with highest efficiency, protection to IP 44 (SB EC 200 A IP 54). With ball bearings, maintenance-free and interference-free. Dynamically balanced for low noise operation.
- Speed control**  
Stepless speed control with potentiometer or stepless speed control with universal control system (see table). Duties at different speeds are exemplarily given in the performance curve.

- Motor protection**  
Integrated electronic temperature monitoring for EC-motor and electronics.
- Sound levels**  
See page 351.

**Specification SilentBox® EC**

- Casing**  
Like an internal attenuator. Acoustically lined with abrasive resistant 50 mm thick mineral fibreboard. Four quick release clamps permit easy access to the impeller set. Motor-impeller unit can swing-out, the swing-out range of the motor-impeller unit must be considered. Spigots on intake and exhaust twin-seal rubber gaskets fit standard ducts. All parts manufactured from galvanised sheet steel.
- Impeller**  
With backward curved impeller. Inflow via inlet cone.

- Electrical connection**  
Terminal box (IP 54) mounted on running cable.
- Protection class**  
With a connected pipe system IP 44 (SB EC 200 A IP 54).

**Specification SlimVent SVS EC**

- 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 level of the case breakout 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 of the

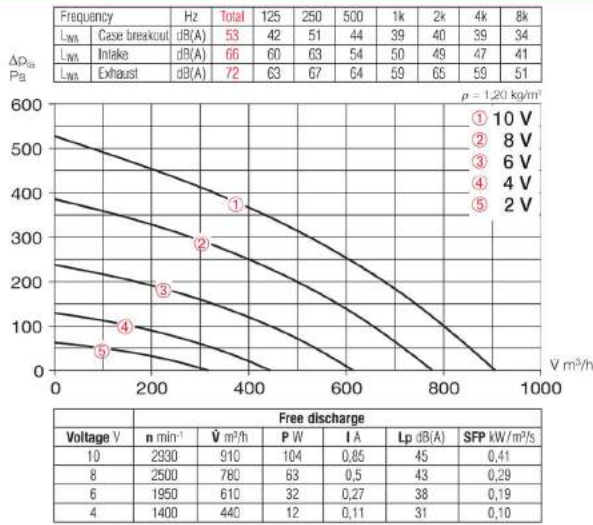
- motor-impeller unit must be considered.
- Impeller**  
Energy-saving centrifugal impeller with backward curved blades from high quality polymer.
- Electrical connection**  
Terminal box (IP 54) mounted on running cable.
- Protection class**  
With a connected pipe system IP 44.

Type	Ref. no.	Connection Ø	Air flow volume (FID)	R.P.M.	Sound press. case breakout	Motor power	Current	Wiring diagram	max. air flow temperature	Weight net approx.	Universal control system		Speed-potentiometer surface			
											Type	Ref. no.	Type	Ref. no.		
<b>Type SilentBox® SB EC, 1 ph. motor, 230 V, 50/60 Hz, EC motor, IP 54 (A), IP 44 (B)</b>																
SB EC 200 A	6138	200	910	2900	45	0.12	0.99	979	60	19.0	EUR EC <sup>1) 2)</sup>	1347	PU 10 <sup>1)</sup>	1734	PA 10 <sup>1)</sup>	1735
SB EC 200 B	9626	200	1160	2890	50	0.16	1.24	979	60	19.0	EUR EC <sup>1) 2)</sup>	1347	PU 10 <sup>1)</sup>	1734	PA 10 <sup>1)</sup>	1735
<b>Type SVS EC, 1 ph. motor, 230 V, 50/60 Hz, EC motor, IP 44</b>																
SVS EC 200	0019	200	1030	2820	55	0.16	1.25	979	60	8.3	EUR EC <sup>1) 2)</sup>	1347	PU 10 <sup>1)</sup>	1734	PA 10 <sup>1)</sup>	1735

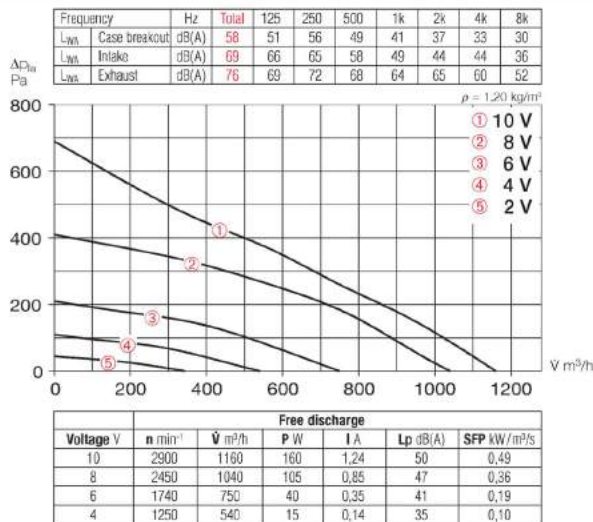
<sup>1)</sup> Several EC fans can normally be connected. <sup>2)</sup> alternative electronic differential pressure/temp. controller (EDR/ETR, No. 1437/1438) or three step speed controller (SU/SA, No. 4266/4267), see accessories.



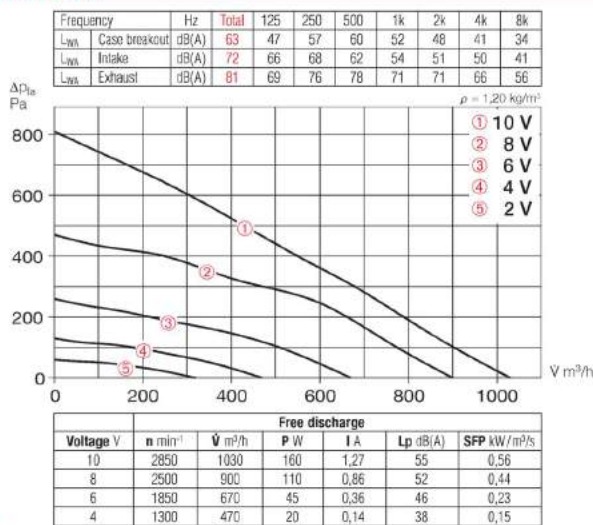
### SB EC 200 A



### SB EC 200 B



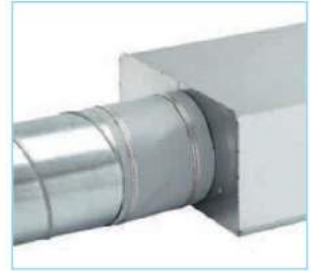
### SVS EC 200



### 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  
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.



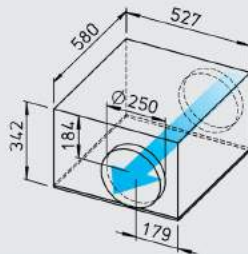
#### Temperature control system for warm water heater battery

**Type WHST 300 T38** No. 8817



### SilentBox® SB EC

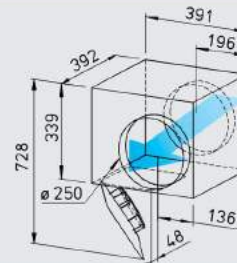
Virtually noise-free with high air flow volumes against high resistances. Ideal for maintenance and cleaning.



Dim. in mm

### SlimVent SVS EC

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 SilentBox® SB EC and SlimVent SVS EC**

□ **Installation**

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

□ **Motor**

Energy saving, speed controllable EC-external rotor motors with highest efficiency, protection to IP 44. With ball bearings, maintenance-free and interference-free. Dynamically balanced for low noise operation.

□ **Speed control**

Stepless speed control with potentiometer or stepless speed control with universal control system (see table). Duties at different speeds are exemplarily given in the performance curve.

□ **Motor protection**

Integrated electronic temperature monitoring for EC-motor and electronics.

■ **Specification SilentBox® EC**

□ **Casing**

Like an internal attenuator. Acoustically lined with abrasive resistant 50 mm thick mineral fibreboard. Four quick release clamps permit easy access to the impeller set. Motor-impeller unit can swing-out, the swing-out range of the motor-impeller unit must be considered. Spigots on intake and exhaust twin-seal rubber gaskets fit standard ducts. All parts manufactured from galvanised sheet steel.

□ **Impeller**

With backward curved impeller. Inflow via inlet cone.

□ **Electrical connection**

Terminal box (IP 54) mounted on running cable.

□ **Protection class**

With a connected pipe system IP 44.

■ **Specification SlimVent SVS EC**

□ **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 level of the case breakout 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 of the

motor-impeller unit must be considered.

□ **Impeller**

Energy-saving centrifugal impeller with backward curved blades from high quality polymer.

□ **Electrical connection**

Terminal box (IP 54) mounted on running cable.

□ **Protection class**

With a connected pipe system IP 44.

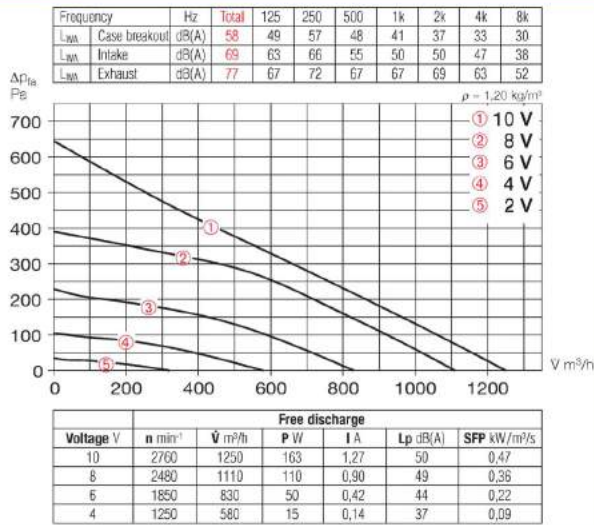
**65% Saving\***  
\* with speed control

Type	Ref. no.	Connection ø	Air flow volume (FD)	R.P.M.	Sound press. case breakout	Motor power	Current	Wiring diagram	max. air flow temperature	Weight not approx.	Universal control system		Speed-potentiometer flush		surface	
											Type	Ref. no.	Type	Ref. no.	Type	Ref. no.
<b>Type SilentBox® SB EC, 1 ph. motor, 230 V, 50/60 Hz, EC motor, IP 44</b>																
SB EC 250	9627	250	1250	2760	50	0.16	1.27	979	60	17.5	EUR EC <sup>1)2)</sup>	1347	PU 10 <sup>1)</sup>	1734	PA 10 <sup>1)</sup>	1735
<b>Type SVS EC, 1 ph. motor, 230 V, 50/60 Hz, EC motor, IP 44</b>																
SVS EC 250	6125	250	1250	2700	51	0.15	1.27	979	50	9.1	EUR EC <sup>1)2)</sup>	1347	PU 10 <sup>1)</sup>	1734	PA 10 <sup>1)</sup>	1735

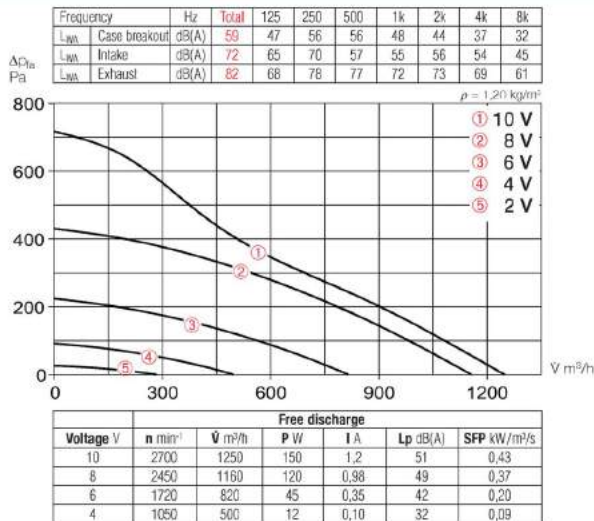
<sup>1)</sup> Several EC fans can normally be connected. <sup>2)</sup> alternative electronic differential pressure/temp. controller (EDR/ETR, No. 1437/1438) or three step speed controller (SU/SA, No. 4266/4267), see accessories.



### SB EC 250



### SVS EC 250



#### Sound levels

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

- Sound level case breakout
- Sound level intake
- Sound level exhaust

In the table below as well as underneath the performance curve you can find additionally the sound pressure level at 1 m (free field conditions).

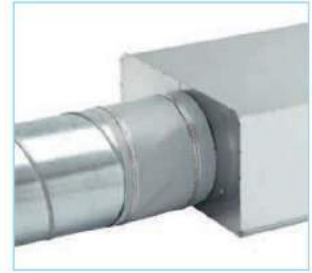
#### Accessory details Page

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
Universal control system, electronic controller, speed-potentiometer	539 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.

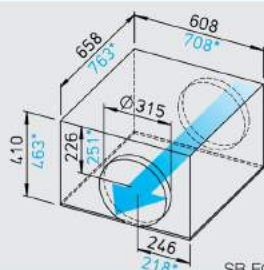


**Temperature control system for warm water heater battery**  
**Type WHS HE** Ref. no. 8319



### SilentBox® SB EC

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

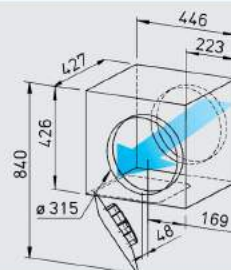


Dim. in mm

SB EC 315 A, \*SB EC 315 B

### SlimVent SVS EC

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**  
**SilentBox® SB EC**  
**and SlimVent SVS EC**

- Installation**  
Installation in any position without restriction – horizontally, vertically or pitched – suitable for intake or extract. Mounting bracket included in delivery.
- Motor**  
Energy saving, speed controllable EC-external rotor motors with highest efficiency, protection to IP 54 (SB EC) or IP 44 (SVS EC). With ball bearings, maintenance-free and interference-free. Dynamically balanced for low noise operation.
- Speed control**  
Stepless speed control with potentiometer or stepless speed control with universal control system (see table). Duties at different speeds are exemplarily given in the performance curve.

- Motor protection**  
Integrated electronic temperature monitoring for EC-motor and electronics.
- Sound levels**  
See page 351.

**Specification SilentBox® EC**

- Casing**  
Like an internal attenuator. Acoustically lined with abrasive resistant 50 mm thick mineral fibreboard. Four quick release clamps permit easy access to the impeller set. Motor-impeller unit can swing-out, the swing-out range of the motor-impeller unit must be considered. Spigots on intake and exhaust twin-seal rubber gaskets fit standard ducts. All parts manufactured from galvanised sheet steel.
- Impeller**  
With backward curved impeller. Inflow via inlet cone.

- Electrical connection**  
Terminal box (IP 54) mounted on running cable (approx. 60 cm long).
- Protection class**  
With a connected pipe system IP 54.

**Specification SlimVent SVS EC**

- 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 level of the case breakout 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 of the motor-impeller unit must be considered.

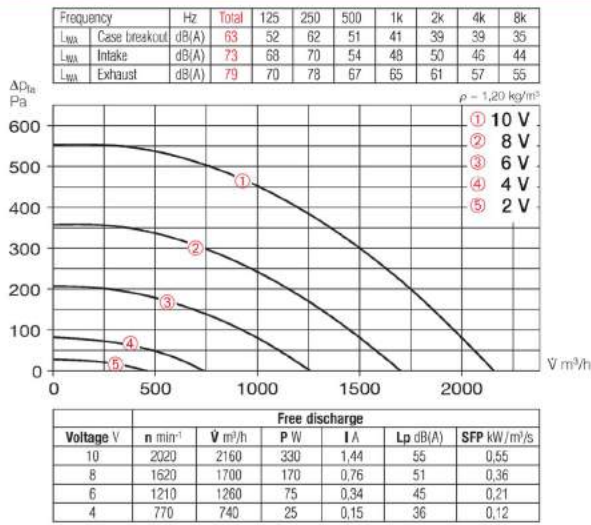
- Impeller**  
Energy-saving centrifugal impeller with backward curved blades from high quality polymer.
- Electrical connection**  
Terminal box (IP 54) mounted on running cable.
- Protection class**  
With a connected pipe system IP 44.

Type	Ref. no.	Connection Ø	Air flow volume (FID)	R.P.M.	Sound press. case breakout	Motor power	Current	Wiring diagram	max. air flow temperature	Weight net approx.	Universal control system		Speed-potentiometer flush		Speed-potentiometer surface	
											Type	Ref. no.	Type	Ref. no.	Type	Ref. no.
<b>Type SilentBox® SB EC, 1 ph. motor, 230 V, 50/60 Hz, EC motor, IP 54</b>																
SB EC 315 A	6157	315	2160	2020	55	0.33	1.50	1066	60	34.0	EUR EC <sup>1) 2)</sup>	1347	PU 10 <sup>1)</sup>	1734	PA 10 <sup>1)</sup>	1735
SB EC 315 B	9628	315	2640	1650	51	0.31	1,36	1066	60	49.0	EUR EC <sup>1) 2)</sup>	1347	PU 10 <sup>1)</sup>	1734	PA 10 <sup>1)</sup>	1735
<b>Type SVS EC, 1 ph. motor, 230 V, 50/60 Hz, EC motor, IP 44</b>																
SVS EC 315	6126	315	1630	2400	51	0.23	0.99	979	45	14.5	EUR EC <sup>1) 2)</sup>	1347	PU 10 <sup>1)</sup>	1734	PA 10 <sup>1)</sup>	1735

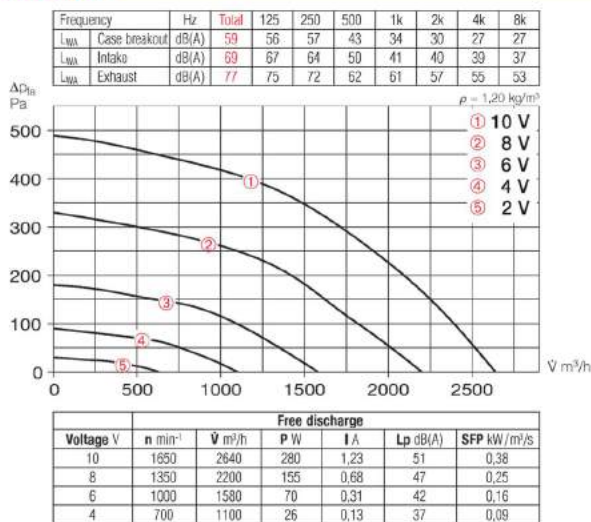
1) Universal EC fans can normally be connected. 2) alternative electronic differential pressure/temp. controller (EDR/ETR, No. 1437/1438) or three step speed controller (SU/SA, No. 4266/4267), see accessories.



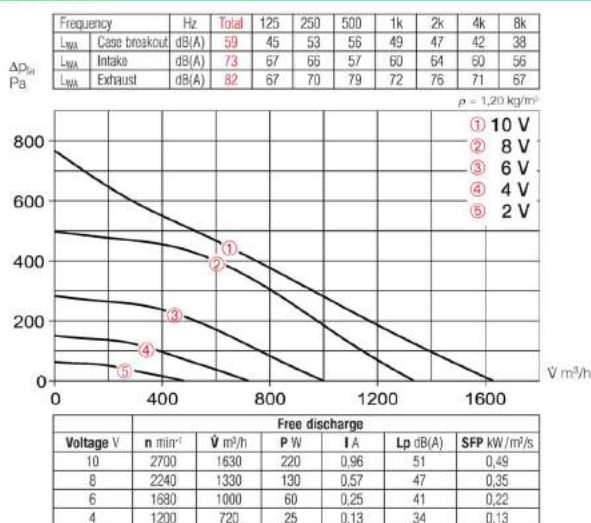
### SB EC 315 A



### SB EC 315 B



### SVS EC 315



### Accessories

#### Flexible sleeve

**Type FM 315** Ref. no. 1674  
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 315** Ref. no. 0760  
Automatic made from polymer, light grey.



#### Fixed grille

**Type RAG 315** Ref. no. 0752  
For covering air inlets and outlets on facades. Made from polymer, light grey.



#### Guard

**Type SGR 315** Ref. no. 5068  
For intake and extract installation. Made from galvanised steel.



#### Backdraught shutter

**Type RSK 315** Ref. no. 5674  
Automatic, made from metal.



#### Flexible circular attenuator

**Type FSD 315** Ref. no. 0681  
Spigotted aluminium attenuator with 50 mm insulation. Length 1 m.



#### Air filter box

**LFBR 315 G4** Ref. no. 8581  
**LFBR 315 F7** Ref. no. 8535  
Air filter with large surface area, for installation in ducting.



#### Electric heater battery

**EHR-R 6/315** 6,0 kW No. 8713  
- with integrated temp. control  
**EHR-R 6/315 TR** 6,0 kW No. 5301  
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 315** Ref. no. 9484  
Compact heat exchanger for in-line installation.



#### Temperature control system for warm water heater battery

**Type WHS HE** Ref. no. 8319

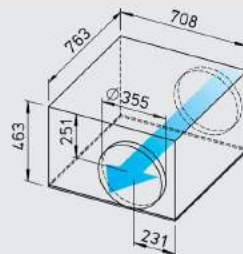


EC in-line fans



SilentBox® SB EC acoustieline

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



Dim. in mm

■ Specification

□ Casing

Like an internal attenuator. Acoustically lined with abrasive resistant 50 mm thick mineral fibreboard. Four quick release clamps permit easy access to the impeller set. Motor-impeller unit can swing-out, the swing-out range of the motor-impeller unit must be considered. Spigots on intake and exhaust twin-seal rubber gaskets fit standard ducts. All parts manufactured from galvanised sheet steel.

□ Impeller

With backward curved impeller. Inflow via inlet cone.

□ Motor

Energy saving, speed controllable EC-external rotor motors with highest efficiency, protection to IP 54. With ball bearings, maintenance-free and interference-free. Dynamically balanced for low noise operation.

□ Motor protection

Integrated electronic temperature monitoring for EC-motor and electronics.

□ Speed control

Stepless speed control with potentiometer or stepless speed control with universal control system (see table). Duties at different speeds are exemplarily given in the performance curve.

□ Electrical connection

Terminal box (IP 54) mounted on running cable (approx. 60 cm long).

□ Protection class

With a connected pipe system IP 54.

□ Installation

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

■ Sound levels

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

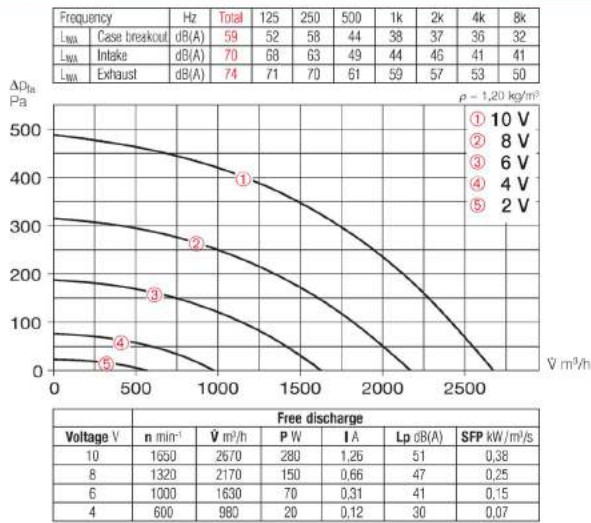
- Sound level case breakout
  - Sound level intake
  - Sound level exhaust
- In the table below as well as underneath the performance curve you can find additionally the sound pressure level at 1 m (free field conditions).

Type	Ref. no.	Connection Ø	Air flow volume (FID)	R.P.M.	Sound press. case breakout	Motor power	Current	Wiring diagram	max. air flow temperature	Weight net approx.	Universal control system		Speed-potentiometer flush		Speed-potentiometer surface	
											Type	Ref. no.	Type	Ref. no.	Type	Ref. no.
Type SilentBox® SB EC, 1 ph. motor 230 V, 50/60 Hz, EC motor, IP 54																
SB EC 355	6139	355	2670	1650	51	0.32	1.40	1066	60	37.0	EUR EC <sup>1)2)</sup>	1347	PU 10 <sup>1)</sup>	1734	PA 10 <sup>1)</sup>	1735

<sup>1)</sup> Several EC fans can normally be connected. <sup>2)</sup> alternative electronic differential pressure/temp. controller (EDR/ETR, No. 1437/1438) or three step speed controller (SU/SA, No. 4266/4267), see accessories.



### SB EC 355



### Accessories

**Flexible sleeve**  
**Type FM 355** Ref. no. 1675  
 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 355** Ref. no. 0761  
 Automatic made from polymer, light grey.



**Fixed grille**  
**Type RAG 355** Ref. no. 0753  
 For covering air inlets and outlets on facades. Made from polymer, light grey.



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
Universal control system, electronic controller, speed-potentiometer	539 on

**Backdraught shutter**  
**Type RSK 355** Ref. no. 5650  
 Automatic, made from metal.



**Flexible circular attenuator**  
**Type FSD 355** Ref. no. 0682  
 Spigotted aluminium attenuator with 50 mm insulation. Length 1 m.



**Air filter box**  
**LFBR 355 G4** Ref. no. 8583  
**LFBR 355 F7** Ref. no. 8536  
 Air filter with large surface area and capacity for installation in ducting. Connections with double lip seals, adapted to standard Ø.



**Electric heater battery**  
**EHR-R 355** 9,0 kW No. 8656  
 - with integrated temp. control  
**EHR-R 9/355 TR** 9,0 kW No. 5297  
 Room or duct sensor (TFK/TFR, accessories) required.



**Temperature control system for electric heater battery EHR-R**  
**Type EHSD 16** Ref. no. 5003



**Warm water heater battery**  
**Type WHR 355** Ref. no. 8790  
 Compact heat exchanger for in-line installation.



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

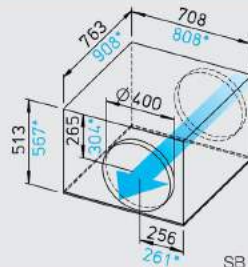


EC in-line fans

**SilentBox® SB EC**



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



Dim. in mm

SB EC 400 A, \*SB EC 400 B



■ **Specification**

□ **Casing**

Like an internal attenuator. Acoustically lined with abrasive resistant 50 mm thick mineral fibreboard. Four quick release clamps permit easy access to the impeller set. Motor-impeller unit can swing-out, the swing-out range of the motor-impeller unit must be considered. Spigots on intake and exhaust twin-seal rubber gaskets fit standard ducts. All parts manufactured from galvanised sheet steel.

□ **Impeller**

With backward curved impeller. Inflow via inlet cone.

□ **Motor**

Energy saving, speed controllable EC-external rotor motors with highest efficiency, protection to IP 54. With ball bearings, maintenance-free and interference-free. Dynamically balanced for low noise operation.

□ **Motor protection**

Integrated electronic temperature monitoring for EC-motor and electronics.

□ **Speed control**

Stepless speed control with potentiometer or stepless speed control with universal control system (see table). Duties at different speeds are exemplarily given in the performance curve.

□ **Electrical connection**

Terminal box (IP 54) mounted on running cable (approx. 60 cm long).

□ **Protection class**

With a connected pipe system IP 54.

□ **Installation**

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

■ **Sound levels**

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

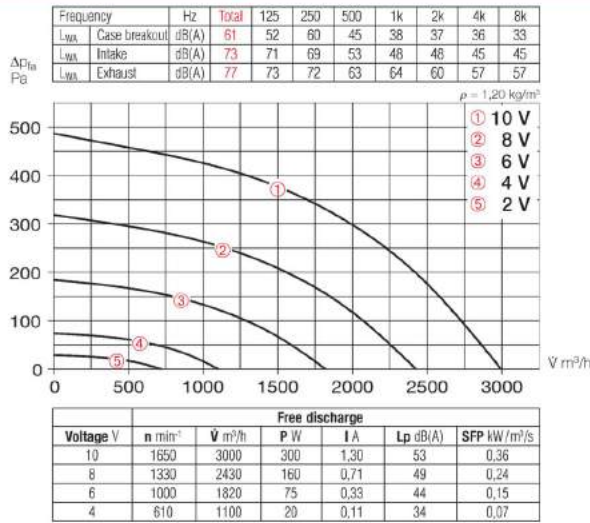
- Sound level case breakout
  - Sound level intake
  - Sound level exhaust
- In the table below as well as underneath the performance curve you can find additionally the sound pressure level at 1 m (free field conditions).

Type	Ref. no.	Connection Ø	Air flow volume (FID)	R.P.M.	Sound press. case breakout	Motor power	Current	Wiring diagram	max. air flow temperature	Weight net approx.	Universal control system		Speed-potentiometer flush		Speed-potentiometer surface	
											Type	Ref. no.	Type	Ref. no.	Type	Ref. no.
Type SilentBox® SB EC, 1 ph. motor, 230 V, 50/60 Hz, EC motor, IP 54																
SB EC 400 A	6140	400	3000	1650	53	0.34	1.50	1066	60	45.0	EUR EC <sup>1) 2)</sup>	1347	PU 10 <sup>1)</sup>	1734	PA 10 <sup>1)</sup>	1735
SB EC 400 B	9629	400	4760	1420	56	0.65	2.98	982	60	60.8	EUR EC <sup>1) 2)</sup>	1347	PU 10 <sup>1)</sup>	1734	PA 10 <sup>1)</sup>	1735

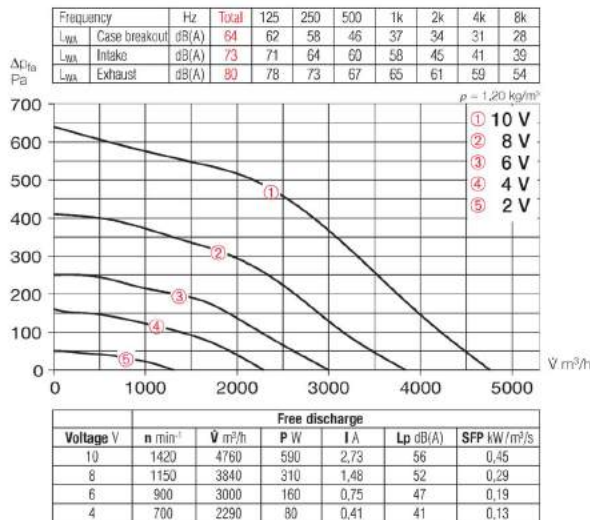
<sup>1)</sup> Several EC fans can normally be connected. <sup>2)</sup> alternative electronic differential pressure/temp. controller (EDR/ETR, No. 1437/1438) or three step speed controller (SU/SA, No. 4266/4267), see accessories.



### SB EC 400 A



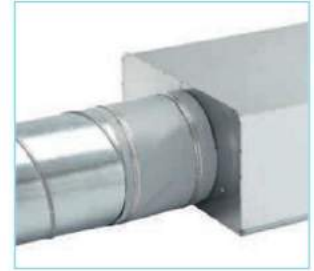
### SB EC 400 B



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
Universal control system, electronic controller, speed-potentiometer	539 on

### Accessories

**Flexible sleeve**  
**Type FM 400** Ref. no. 1676  
 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 400** Ref. no. 0762  
 Automatic made from polymer, light grey.



**Fixed grille**  
**Type RAG 400** Ref. no. 0754  
 For covering air inlets and outlets on facades. Made from polymer, light grey.



**Backdraught shutter**  
**Type RSK 400** Ref. no. 5651  
 Automatic, made from metal.



**Flexible circular attenuator**  
**Type FSD 400** Ref. no. 0683  
 Spigotted aluminium attenuator with 50 mm insulation. Length 1 m.



**Air filter box**  
**LFBR 400 G4** Ref. no. 8582  
**LFBR 400 F7** Ref. no. 8537  
 Air filter with large surface area and capacity for installation in ducting. Connections with double lip seals, adapted to standard Ø.



**Electric heater battery**  
**EHR-R 9/400** 9,0 kW No. 8657  
 – with integrated temp. control  
**EHR-R 9/400 TR** 9,0 kW No. 5299  
 Room or duct sensor (TFK/TFR, accessories) required.



**Temperature control system for electric heater battery EHR-R**  
**Type EHSD 16** Ref. no. 5003



**Warm water heater battery**  
**Type WHR 400** Ref. no. 9524  
 Compact heat exchanger for in-line installation.



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



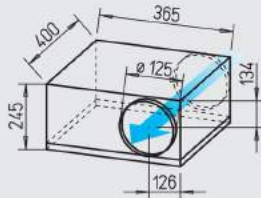


**SilentBox® SB**

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



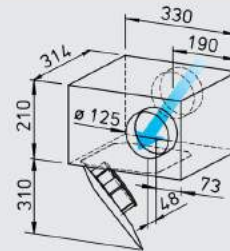
Efficiency class



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 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.

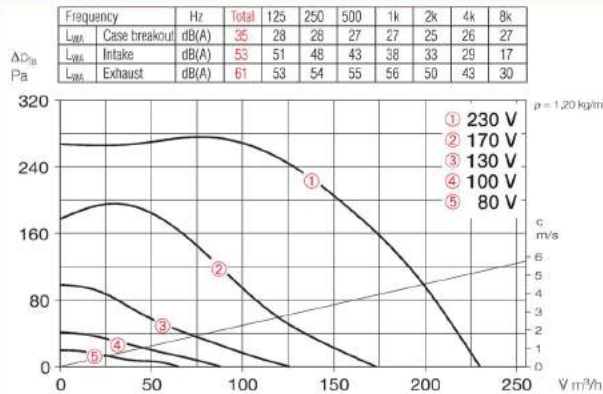
Type	Ref. no.	Air flow volume (FID)	R.P.M.	Sound press. case breakout	Motor power	Current		Wiring diagram	max. air flow temp.		Weight net approx.	Transformer-speed controller 5-step		Electronic* speed controller, stepless flush / surface	
						full load	control		full load	control		Type	Ref. no.	Type	Ref. no.
<b>Type SilentBox® SB, 1 ph. motor, 230 V, 50 Hz, capacitor motor, IP 44</b>															
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
<b>Type SVS, 1 ph. motor, 230 V, 50 Hz, capacitor motor, IP 33</b>															
SVS 125 B	0130	400/270 <sup>1)</sup>	2570/1710 <sup>1)</sup>	45/36 <sup>1)</sup>	61/45 <sup>1)</sup>	0.27/0.20 <sup>1)</sup>	0.26 <sup>1)</sup>	934.1	60	60	5.9	TSW 1,5	1495	ESU 1 / ESA 1	0236 / 0238

<sup>1)</sup> Values refer to the two speed stages (see characteristic curve).

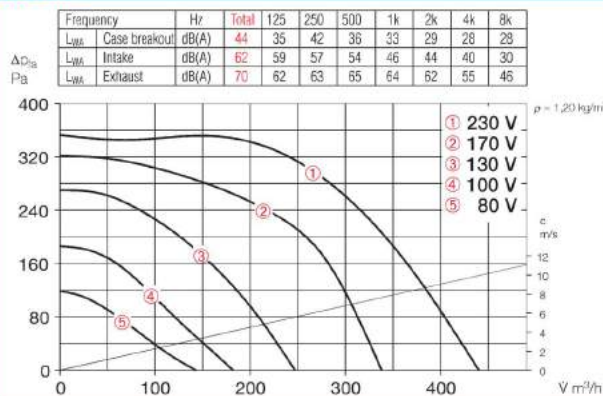
\* In noise-relevant cases, transformer controllers must be provided. An electronic controller can trigger a distracting magnetisation noise.



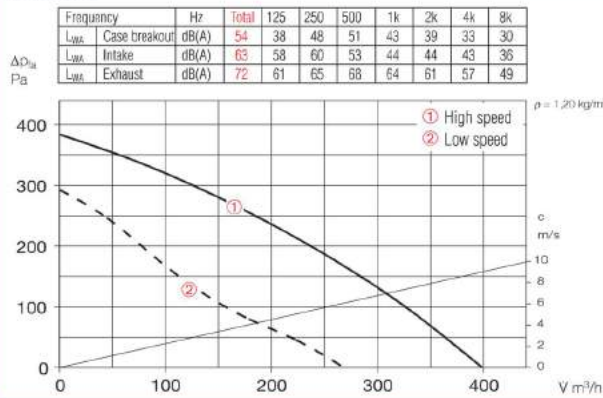
### SB 125 A



### 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.

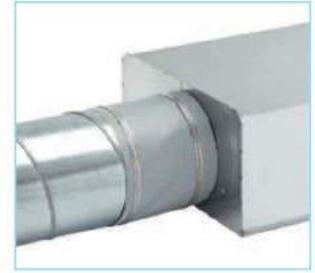
#### ■ Accessory details Page

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.



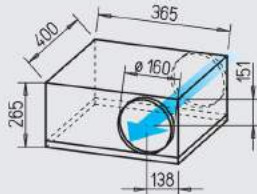
##### Temperature control system for warm water heater battery

**Type WHST 300 T38** No. 8817



**SilentBox® SB**

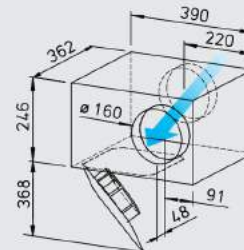
Virtually noise-free with high air flow volumes against high resistances. Ideal for maintenance and cleaning.



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 1m	W	A	A	No.	+°C	+°C	kg	Type	Ref. no.	Type	Ref. no.
<b>Type SilentBox® SB, 1 ph. motor, 230 V, 50 Hz, capacitor motor, IP 44 (B), IP 33 (D)</b>															
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
<b>Type SVS, 1 ph. motor, 230 V, 50 Hz, capacitor motor, IP 33</b>															
SVS 160 K	0131	440/300 <sup>(1)</sup>	2560/1730 <sup>(1)</sup>	44/35 <sup>(1)</sup>	61/45 <sup>(1)</sup>	0.26/0.20 <sup>(1)</sup>	0.26 <sup>(1)</sup>	934.1	60	60	7.6	TSW 1,5	1495	ESU 1 / ESA 1	0236 / 0238
SVS 160 L	2653	670/390 <sup>(1)</sup>	2520/1530 <sup>(1)</sup>	50/39 <sup>(1)</sup>	108/69 <sup>(1)</sup>	0.47/0.30 <sup>(1)</sup>	0.45 <sup>(1)</sup>	934.1	60	60	7.8	TSW 1,5	1495	ESU 1 / ESA 1	0236 / 0238

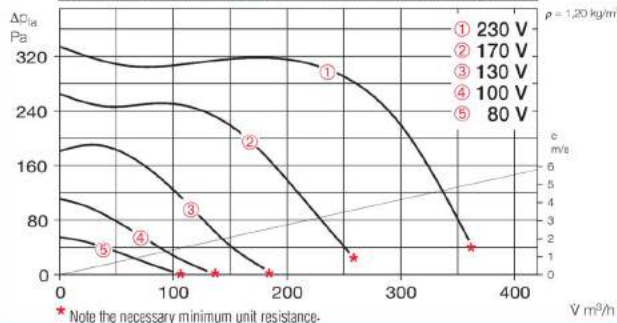
<sup>(1)</sup> Figures refer to the two speed stages (see characteristic curve).

<sup>(2)</sup> In special cases, transformer controllers must be provided. An electronic controller can trigger a distracting magnetisation noise.



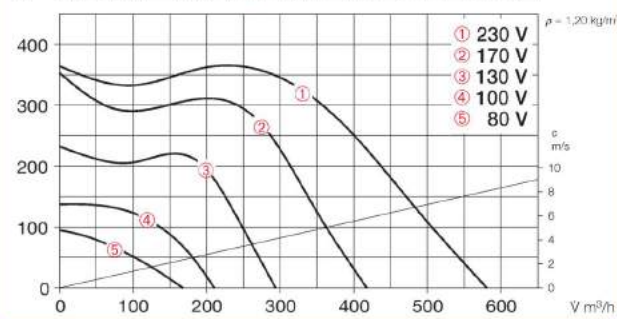
### SB 160 B

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



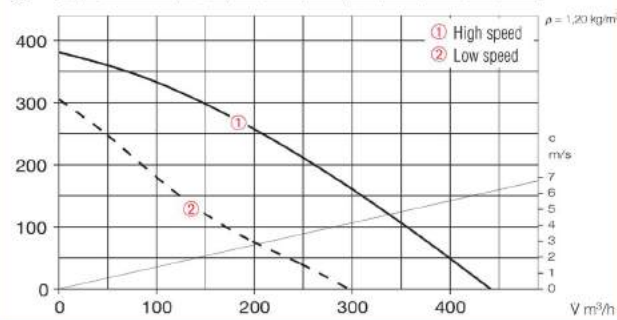
### SB 160 D

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



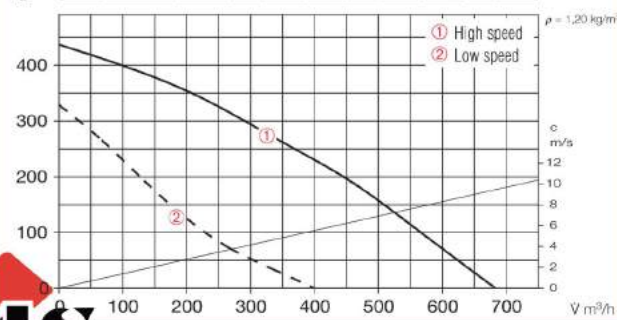
### SVS 160 K

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.



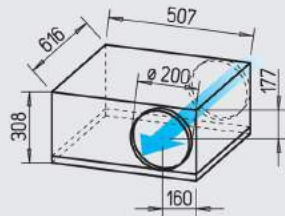
#### Temperature control system for warm water heater battery

Type WHST 300 T38 No. 8817



**SilentBox® SB**

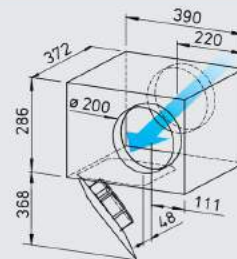
Virtually noise-free with high air flow volumes against high resistances. Ideal for maintenance and cleaning.



Dim. in mm

**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 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

■ **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).

□ **Protection class**

When installed in ducting the fan is rated IP 44.

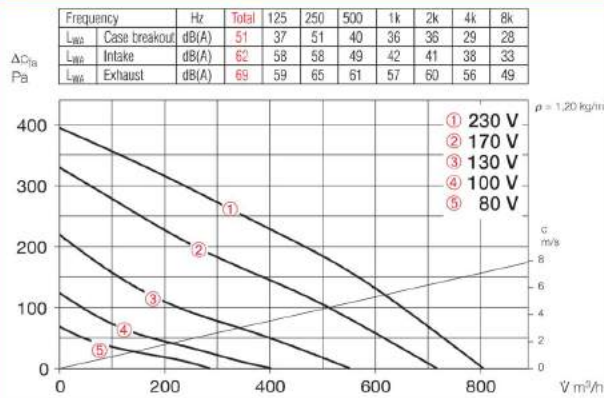
Information	Page
Techn. description	296
Selection chart	297
Information for planning	10 on
Modular system	294

Type	Ref. no.	Air flow volume (FID)	R.P.M.	Sound press. case breakout	Motor power	Current full load	Current control	Wiring diagram	max. air flow temp. full load	max. air flow temp. control	Weight net approx.	Transformer-speed controller 5-step	Electronic* speed controller, stepless flush / surface
		m³/h	min⁻¹	db(A) in 1 m	W	A	A	No.	+°C	+°C	kg	Type Ref. no.	Type Ref. no.
<b>Type SilentBox® SB, 1 ph. motor, 230 V, 50 Hz, capacitor motor, IP 33</b>													
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
<b>Type SVS, 1 ph. motor, 230 V, 50 Hz, capacitor motor, IP 33</b>													
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

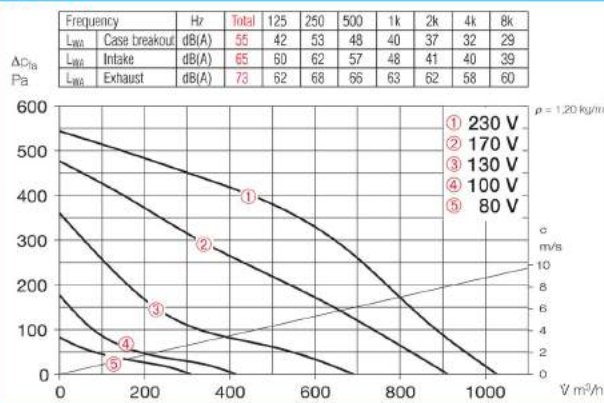
\*In noise relevant cases, transformer controllers must be provided. An electronic controller can trigger a distracting magnetisation noise.



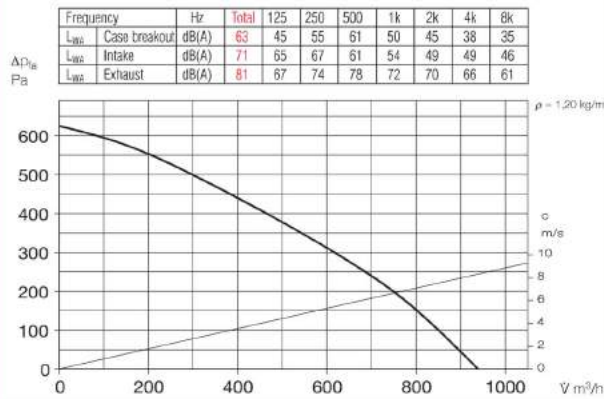
### SB 200 C



### 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.



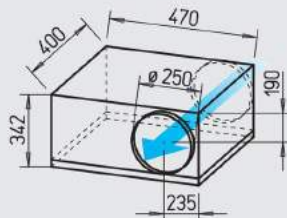
##### Temperature control system for warm water heater battery

**Type WHST 300 T38** No. 8817



**SilentBox® SB 250 C**

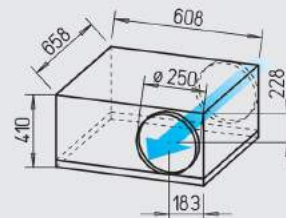
Virtually noise-free with high air flow volumes against high resistances. Ideal for maintenance and cleaning.



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.

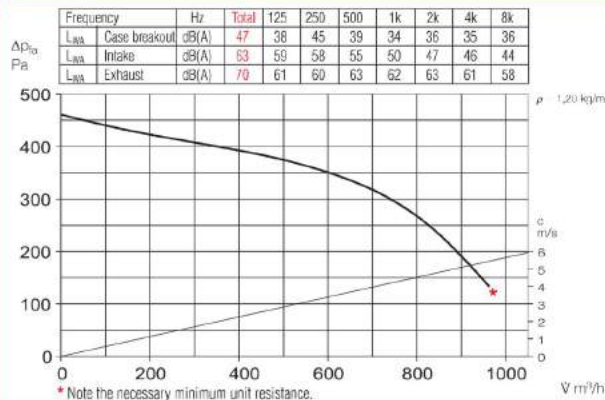
Information	Page
Techn. description	296
Selection chart	297
Information for planning	10 on
Modular system	294

Type	Ref. no.	Air flow volume (FID)	R.P.M.	Sound press. case breakout	Motor power	Current full load	Current control	Wiring diagram	max. air flow temp. full load	max. air flow temp. control	Weight net approx.	Transformer-speed controller 5-step	Electronic* speed controller, stepless flush / surface
		V m <sup>3</sup> /h	min <sup>-1</sup>	db(A) in 1 m	W	A	A	No.	+°C	+°C	kg	Type Ref. no.	Type Ref. no.
<b>Type SilentBox® SB, 1 ph. motor, 230 V, 50 Hz, capacitor motor, IP 44 (C), IP 33 (E)</b>													
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

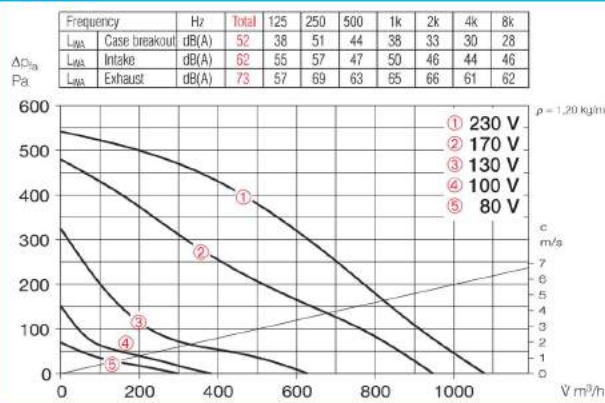
\* In disassemble cases, transformer controllers must be provided. An electronic controller can trigger a distracting magnetisation noise.



### 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.

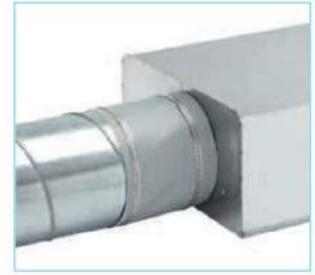
#### ■ Accessory details Page

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. 5087  
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

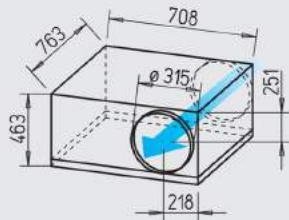




**SilentBox® SB 315 and SBD 315 A**



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

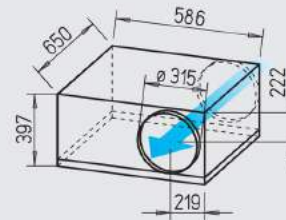


Dim. in mm

**SilentBox® SBD 315 B**



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



Dim. in mm

**Similarities**

SB 315, SBD 315 A and B

**Installation**

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

**Impeller**

SB 315 and SBD 315 A with backward curved high-quality polymer blades. Inflow via inlet cone, SBD 315 B as described on the right.

**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 to the terminal block and must be connected to a motor protection unit (see type table).

**Speed control**

Through voltage reduction by means of 5 step transformer or electronic controller (stepless).

**Electrical connection**

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

**Protection class**

IP 54.

**Specification**

SB 315 and SBD 315 A

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

**Specification SBD 315 B**

**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. Fan and spiral casing freely accessible. 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.

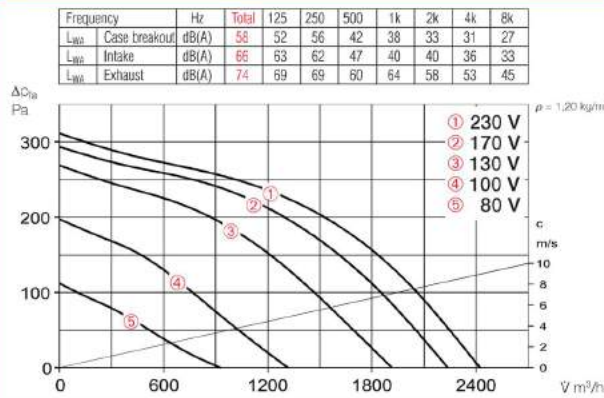
Type	Ref. no.	Air flow volume (FID)	R.P.M.	Sound press. case breakout	Motor power	Current		Wiring diagram	max. air flow temp.		Weight net approx.	Speed controller 5-step			
						full load	control		full load	control		without motor protection unit		with motor protection unit	
		V m <sup>3</sup> /h	min <sup>-1</sup>	db(A) in 1 m	W	A	A	No.	+°C	+°C	kg	Type	Ref. no.	Type	Ref. no.
<b>Type SilentBox® SB, 1 ph. motor, 230 V, 50 Hz, capacitor motor, IP 54</b>															
SB 315	9515	2420	1420	51	310	1.70	1.80	536.1	60	60	45	TSW 3,0 <sup>1)</sup>	1496	—	—
<b>Type SilentBox® SBD, 3 ph. motor, 230/400 V, 50 Hz, IP 54</b>															
SBD 315 A	9718	2200	1350	47	215	0.73/0.42	0.44	860	60	60	46.0	TSD 0,8 <sup>2)</sup>	1500	RDS 1	1314
SBD 315 B	9583	2250	1290	50	640	2.40/1.40	1.40	860	60	60	43.4	TSD 3,0 <sup>2)</sup>	1502	RDS 2	1315

<sup>1)</sup> required full motor protection device, Type MW, No. 1579, see accessories.

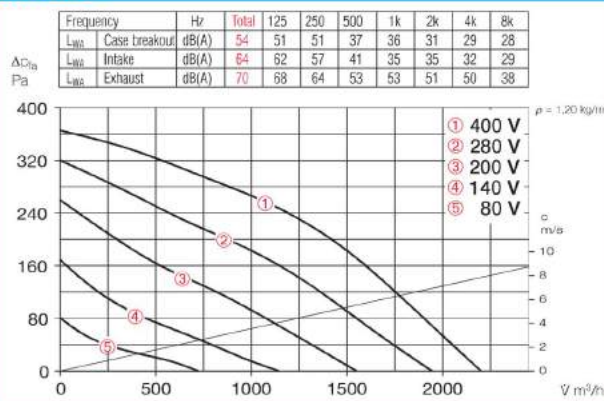
<sup>2)</sup> required full motor protection device, Type MD, No. 5849, see accessories.



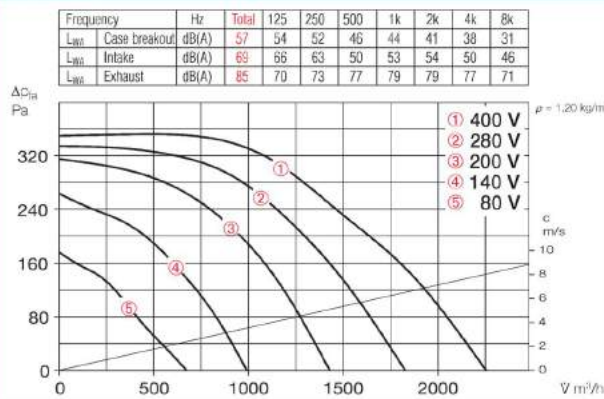
### SB 315



### SBD 315 A



### SBD 315 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).

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 315** Ref. no. 1674  
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 315** Ref. no. 0760  
Automatic made from polymer, light grey.



##### Fixed grille

**Type RAG 315** Ref. no. 0752  
For covering air inlets and outlets on facades. Made from polymer, light grey.



##### Guard

**Type SGR 315** Ref. no. 5068  
For intake and extract installation. Made from galvanised steel.



##### Backdraught shutter

**Type RSK 315** Ref. no. 5674  
Automatic, made from metal.



##### Flexible circular attenuator

**Type FSD 315** Ref. no. 0681  
Spigotted aluminium attenuator with 50 mm insulation. Length 1 m.



##### Air filter box

**LFBR 315 G4** Ref. no. 8581  
**LFBR 315 F7** Ref. no. 8535  
Air filter with large surface area for installation in ducting.



##### Electric heater battery

**EHR-R 6/315** 6,0 kW No. 8713  
– with integrated temp. control  
**EHR-R 6/315 TR** 6,0 kW No. 5301  
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 315** Ref. no. 9484  
Compact heat exchanger for in-line installation.



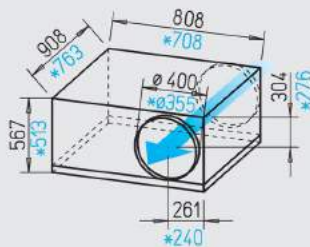
**Temperature control system for warm water heater battery**  
**Type WHS HE** Ref. no. 8319



SilentBox® SB 355 and SB 400



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



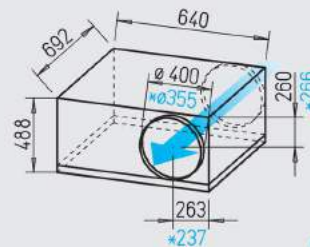
Dim. in mm

\*SB 355, SB 400

SilentBox® SBD 355 and SBD 400



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



Dim. in mm

\*SBD 355, SBD 400

■ Similarities

SB 355 and SB 400,  
SBD 355 and SBD 400

□ Installation

Installation in any position without restriction – horizontally, vertically or pitched – suitable for intake or extract. Make sure that there is free accessibility to the cover. To keep sound levels inside the ventilated rooms as low as possible we recommend the fan is installed as remote as possible.

□ 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 to the terminal block and must be connected to a motor protection unit (see type table).

□ Speed control

Through voltage reduction by means of 5 step transformer or electronic controller (stepless).

□ Electrical connection

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

□ Protection class

IP 54.

□ Sound levels

See page 367.

■ Specification

SB 355 and SB 400

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

□ Impeller

Backward curved high-quality polymer impeller. Inflow via inlet cone.

■ Specification

SBD 355 and SBD 400

□ 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. Fan and spiral casing freely accessible. 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.

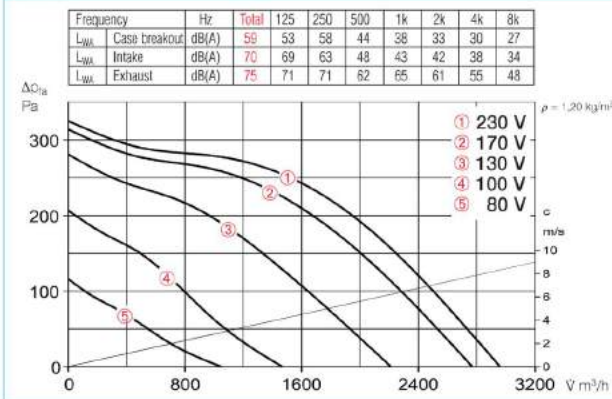
Type	Ref. no.	Air flow volume (FID)	R.P.M.	Sound press. case breakout	Motor power	Current		Wiring diagram	max. air flow temp.		Weight net approx.	Speed controller 5-step			
						full load	control		full load	control		without motor protection unit		with motor protection unit	
		V m <sup>3</sup> /h	min <sup>-1</sup>	db(A) in 1 m	W	A	A	No.	+°C	+°C	kg	Type	Ref. no.	Type	Ref. no.
<b>Type SilentBox® SB, 1 ph. motor, 230 V, 50 Hz, capacitor motor, IP 54</b>															
SB 355	6158	2960	1400	52	345	1.8	1.9	536.1	60	60	47.0	TSW 3.0 <sup>1)</sup>	1496	—	—
SB 400	6159	3930	1320	51	500	2.3	2.5	536.1	60	60	61.0	TSW 3.0 <sup>1)</sup>	1496	—	—
<b>Type SilentBox® SBD, 3 ph. motor, 230/400 V, 50 Hz, IP 54</b>															
SBD 355	9969	3330	1310	51	1470	4.6/2.6	2.8	860	45	45	47.0	TSW 5.5 <sup>2)</sup>	1503	RDS 7	1578
SBD 400	9623	3450	1310	50	1470	4.6/2.6	2.7	860	45	45	47.0	TSW 5.5 <sup>2)</sup>	1503	RDS 7	1578

<sup>1)</sup> required full motor protection device, Type MW, No. 1579, see accessories.

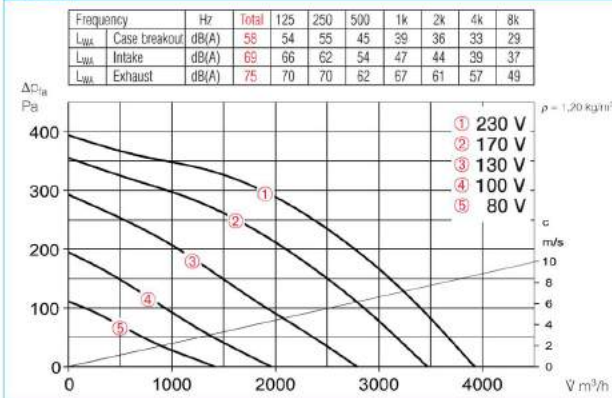
<sup>2)</sup> required full motor protection device, Type MD, No. 5849, see accessories.



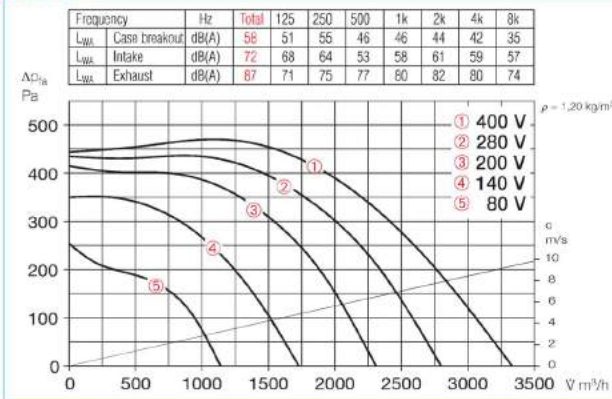
### SB 355



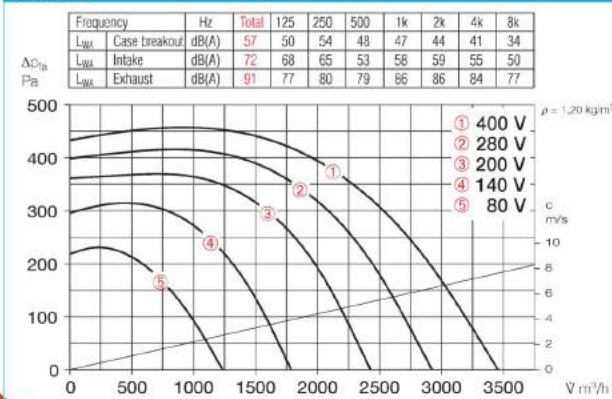
### SB 400



### SBD 355



### SBD 400



### Accessories

#### Flexible sleeve

- Type FM 355 Ref. no. 1675
- Type FM 400 Ref. no. 1676

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 355 Ref. no. 0761
- Type VK 400 Ref. no. 0762

Automatic made from polymer, light grey.



#### Fixed grille

- Type RAG 355 Ref. no. 0753
- Type RAG 400 Ref. no. 0754

For covering air inlets and outlets on facades. Made from polymer, light grey.



#### Backdraught shutter

- Type RSK 355 Ref. no. 5650
- Type RSK 400 Ref. no. 5651

Automatic, made from metal.



#### Flexible circular attenuator

- Type FSD 355 Ref. no. 0682
- Type FSD 400 Ref. no. 0683

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



#### Air filter box

- LFBR 355 G4 Ref. no. 8583
- LFBR 355 F7 Ref. no. 8536
- LFBR 400 G4 Ref. no. 8582
- LFBR 400 F7 Ref. no. 8537

Air filter with large surface area and capacity for installation in ducting. Connections with double lip seals, adapted to standard  $\phi$ .



#### Electric heater battery

- EHR-R 9/355 9,0 kW No. 8656
- EHR-R 9/400 9,0 kW No. 8657
- with integrated temp. control
- EHR-R 9/355 TR 9,0 kW No. 5297
- EHR-R 9/400 TR 9,0 kW No. 5299

Room or duct sensor (TFK/TFR, accessories) required.



#### Temperature control system for electric heater battery EHR-R

- Type EHSD 16 Ref. no. 5003



#### Warm water heater battery

- Type WHR 355 Ref. no. 8790
- Type WHR 400 Ref. no. 9524



#### Temperature control system for warm water heater battery

- Type WHS HE Ref. no. 8319

