SB 200



Efficiency class

B SB 200 C + accessories*

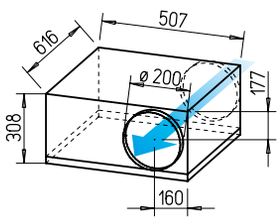
Virtually silent with high volume output and pressure performance. Ideal for cleaning and inspection.

SVS 200



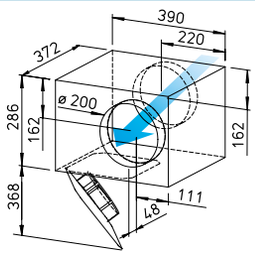
Lowest installation height. Ideal for limited installation spaces. With sound-insulating mineral wool lining for particularly low-noise operation.

Dimensions SB 200



Dim. in mm

Dimensions SVS 200



Dim. in mm

Common features SB and SVS

- **Installation**
  No restrictions in any position (horizontal, vertical, diagonal) through corresponding installation for supply or extract ventilation (exception: SVS must not be installed with the retractable motor-impeller unit upward).
- **Motor**
  Enclosed, ball bearing mounted external rotor motor with humidity protection, insulation class F, for continuous operation and maintenance-free.

Description SilentBox

- **Casing**
  Designed as a silencer. Equipped with abrasion-resistant, sound-absorbing mineral fibre boards (50 mm). Removable cover with locking clamp. Freely accessible fan. Removable motor-impeller unit, the removal area must be considered. Inlet and outlet side connectors with rubber lip seal corresponds to standard duct Ø. All parts made of galvanised steel sheet.
- **Impeller**
  With backward curved blades made of high-quality plastic. Inlet via nozzle.
- **Electrical connection**
  Terminal box (IP54) mounted to external cable (aprx. 60 cm long).
- **Motor protection**
  Through built-in thermal contacts wired in series to the winding, which automatically activated and deactivate again after cooling.
- **Power control**
  From 0 – 100 % possible using electronic controller or step transformer (see table).
- **Protection category**
  IP44.

Description SlimVent SVS

- **Casing**
  Extremely flat casing with sound-insulating, over 50 mm thick mineral wool lining and glass fibre surface. The acoustic box placed in front of the fan wheel significantly reduces the inlet-side noises. The radiated noises are reduced to a lesser extent (see noise data above the performance diagrams).
- The retractable motor-impeller unit allows inspection and cleaning without dismantling the system components. The removal area of the motor-impeller unit must be considered.
- **Impeller**
  Energy-saving centrifugal impeller with backward curved blades made of high-quality plastic. Dynamically balanced for low-noise operation.
- **Electrical connection**
  Terminal box (IP54) mounted to external cable.
- **Motor protection**
  Through built-in thermal contacts wired in series to the winding, automatic deactivation and reactivation after cooling.
- **Power control**
  From 0 – 100 % using electronic controller or step transformer (see table).
- **Protection category**
  IP44 with connected duct system.

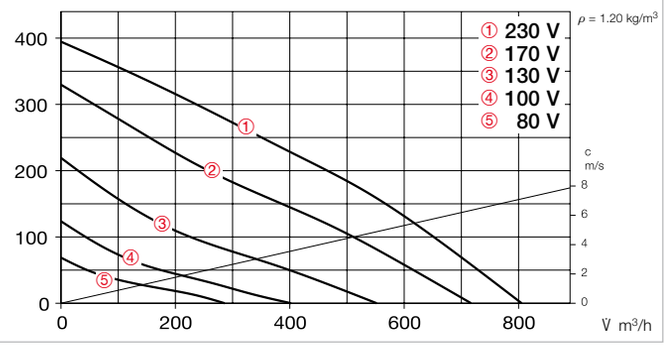
Type	Ref. no.	Flow rate Free blowing	Rated speed	Sound press. case radiation	Power consum.	Power consump. at rated voltage	Power consump. with control	Wiring diagram	Max air flow temp. at rated voltage	Max air flow temp. with control	Wgt net aprx.	Transformer speed controller 5-step	Ref. no.	Electronic[1] Speed controll., cont. var. flush-mount. / surf-mount.	Ref. no.
		V̇ m³/h	min⁻¹	db(A) in 1m	W	A	A	No.	+ °C	+ °C	kg	Type		Type	
Type SB, SB, Single-phase alternating current, 230 V, 50 Hz, Capacitor motor, IP33															
SB 200 C	09510	810	2520	44	105	0.46	0.46	508	70	70	19.0	**TSW 1.5**	01495	**ESU 1 / ESA 1**	00236 / 00238
SB 200 D	09564	1030	2700	48	160	0.69	0.83	508	70	50	19.7	**TSW 1.5**	01495	**ESU 1 / ESA 1**	00236 / 00238
Type SVS, Single-phase alternating current, 230 V, 50 Hz, Capacitor motor, IP33															
SVS 200 K	00132	940	2710	55	163	0.71	0.83	508	70	50	9.2	**TSW 1.5**	01495	**ESU 1 / ESA 1**	00236 / 00238

[1] Transformer control units must be provided in noise-relevant cases. Electronic phase angle control can cause disturbing magnetisation humming.

* See ErP product data sheet at www.HeliosSelect.de.

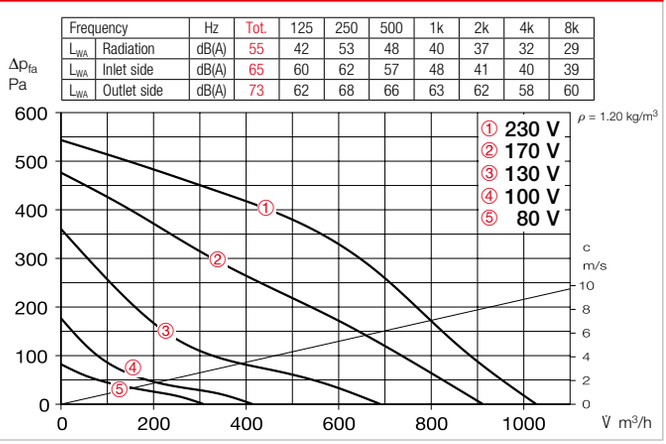
Performance curves SB 200 C

Frequency		Hz	Tot.	125	250	500	1k	2k	4k	8k
L_{WA}	Radiation	dB(A)	51	37	51	40	36	36	29	28
L_{WA}	Inlet side	dB(A)	62	58	58	49	42	41	38	33
L_{WA}	Outlet side	dB(A)	69	59	65	61	57	60	56	49



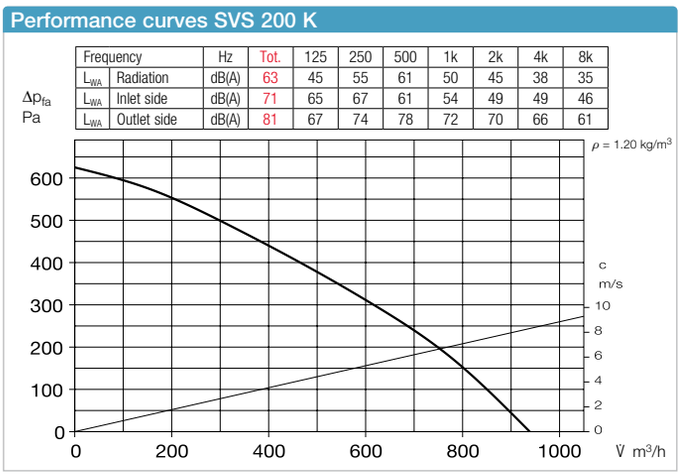
Performance curves SB 200 D

Frequency		Hz	Tot.	125	250	500	1k	2k	4k	8k
L_{WA}	Radiation	dB(A)	55	42	53	48	40	37	32	29
L_{WA}	Inlet side	dB(A)	65	60	62	57	48	41	40	39
L_{WA}	Outlet side	dB(A)	73	62	68	66	63	62	58	60



Performance curves SVS 200 K

Frequency		Hz	Tot.	125	250	500	1k	2k	4k	8k
L_{WA}	Radiation	dB(A)	63	45	55	61	50	45	38	35
L_{WA}	Inlet side	dB(A)	71	65	67	61	54	49	49	46
L_{WA}	Outlet side	dB(A)	81	67	74	78	72	70	66	61



Noise

The total level and range are specified above the performance diagram for

- ☐ Case-radiated sound power.
- ☐ Inlet/outlet side sound power in dB(A).
- ☐ The case-radiated noise as sound pressure at **1 m** (free field conditions) are also specified in the type table.

Accessory details	Page
Filters, heating elements and silencers	483 ff.
Temperature control systems for heating elements	489, 493 ff.
Flexible ventilation ducts, ventilation grilles, fittings, roof outlets	563 ff.
Disc valves	584 ff.
Universal control system, electronic controllers, speed potentiometer	615 ff.

References	Page
Techn. description	362
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Accessories

Flexible connecting sleeve
FM 200 Ref. no. 01670
Includes 2 hose clamps; for installation between fan and duct system. Prevents structure-borne noise transmission and bridges installation tolerances.
2 pcs required for inlet and outlet side application.



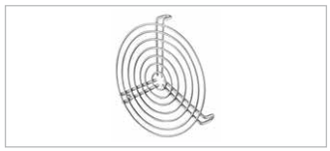
External wall shutter
VK 200 Ref. no. 00758
Automatic made of plastic, light grey.



External wall cover grille
RAG 200 Ref. no. 00750
For placement in front of air inlet and outlet openings in facades. Made of plastic, light grey.



Protection grille
SGR 200 Ref. no. 05066
For inlet and outlet side installation. Made of galvanised steel.



Duct shutter
RSK 200 Ref. no. 05074
Automatic, made of metal.



Flexible cross talk silencer
FSD 200 Ref. no. 00679
Made of aluminium pipe with double-sided plug-in connectors. Sound insulation lining 50 mm thick, installation length 1 m.



Air filter box
LFBR 200 Coarse 70%* 08579
LFBR 200 ePM1 50%* 08533
Air filter with large surface area, for installation in pipeline.



Electric heating element
EHR-R 1.2/200 1.2 kW No. 09436
EHR-R 2/200 2.0 kW No. 09437
EHR-R 5/200 5.0 kW No. 08711
– with integrated temp. control
EHR-R 5/200 TR 5.0 kW No. 05295
Room or duct sensor (TFK/TFR, Accessories) required.



Temperature control system for electric heating element EHR-R
EHS Ref. no. 05002

Warm water heating element
WHR 200 Ref. no. 09482
Compact heat exchanger for installation in duct system.



Temperature control system for warm water heating element
WHST 300 T38 No. 08817



* See product page 486 for detailed description.