SB 125

Efficiency class

D SB + accessories*

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

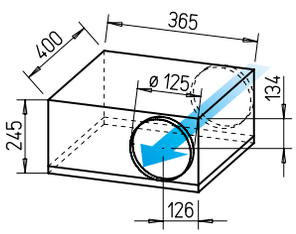
SVS 125

Efficiency class

C SVS + accessories*

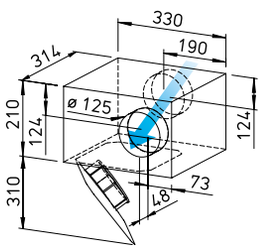
Lowest installation height. Ideal for limited installation spaces. With sound-insulating mineral wool lining for particularly low-noise operation.

Dimensions SB 125



Dim. in mm

Dimensions SVS 125



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, maintenance-free and radio interference-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 and casing spiral. Retractable motor and impeller. Inlet and outlet side connectors with rubber lip seal corresponds to standard duct Ø. All parts made of galvanised steel sheet.

Impeller
Low-noise forward curved impeller in aerodynamically optimised volute casing, made of galvanised steel sheet. 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, automatic deactivation and reactivation 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 % possible using electronic controller or step transformer (see table) or two level operation with type DS 2/2 (accessories).

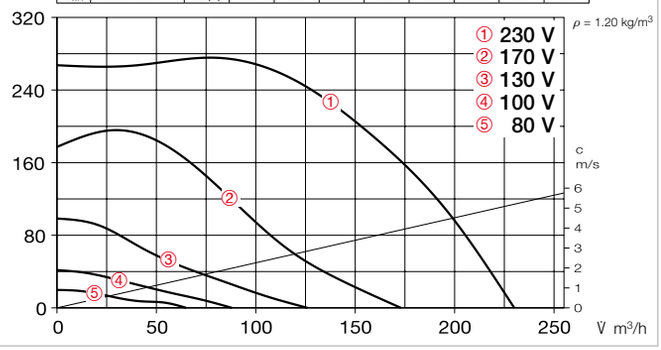
DS 2/2 Ref. no. 01267

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 Type	Ref. no.	Electronic[2] Speed control., cont. var. flush-mount. / surf-mount. Type	Ref. no.
		V̇ m³/h	min⁻¹	db(A) in 1m	W	A	A	No.	+ °C	+ °C	kg				
Type SB, Single-phase alternating current, 230 V, 50 Hz, Capacitor motor, IP44															
SB 125 A	09506	230	1130	28	61	0.27	0.27	508	80	80	12.0	**TSW 0.3**	03608	**ESU 1 / ESA 1**	00236 / 00238
SB 125 C	09562	440	1850	37	122	0.53	0.53	508	65	65	12.0	**TSW 1.5**	01495	**ESU 1 / ESA 1**	00236 / 00238
Type SVS, Single-phase alternating current, 230 V, 50 Hz, Capacitor motor, IP33															
SVS 125 B	00130	400/270 [1]	2570/1710 [1]	45/36 [1]	61/45 [1]	0.27/0.20 [1]	0.26 [1]	934.1	60	60	5.9	**TSW 1.5**	01495	**ESU 1 / ESA 1**	00236 / 00238

[1] Values refer to the two performance levels (see performance diagram). [2] 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.

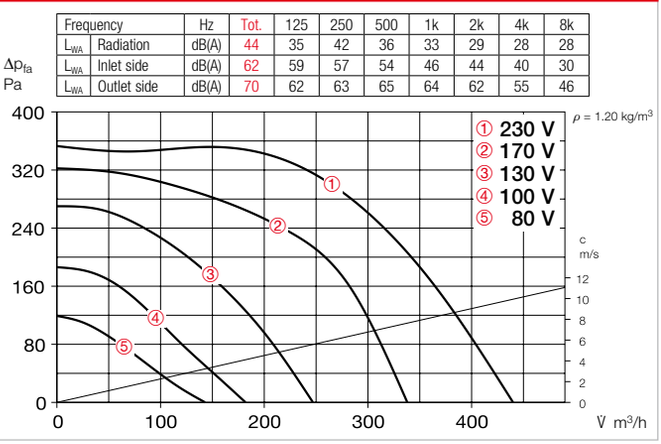
Performance curves SB 125 A

Frequency		Hz	Tot.	125	250	500	1k	2k	4k	8k
L_{WA}	Radiation	dB(A)	35	28	28	27	27	25	26	27
L_{WA}	Inlet side	dB(A)	53	51	48	43	38	33	29	17
L_{WA}	Outlet side	dB(A)	61	53	54	55	56	50	43	30



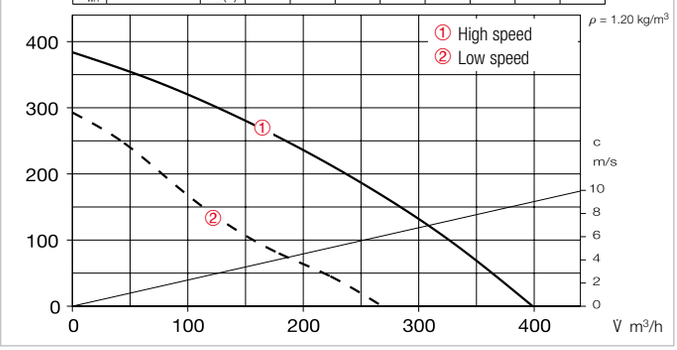
Performance curves SB 125 C

Frequency		Hz	Tot.	125	250	500	1k	2k	4k	8k
L_{WA}	Radiation	dB(A)	44	35	42	36	33	29	28	28
L_{WA}	Inlet side	dB(A)	62	59	57	54	46	44	40	30
L_{WA}	Outlet side	dB(A)	70	62	63	65	64	62	55	46



Performance curves SVS 125 B

Frequency		Hz	Tot.	125	250	500	1k	2k	4k	8k
L_{WA}	Radiation	dB(A)	54	38	48	51	43	39	33	30
L_{WA}	Inlet side	dB(A)	63	58	60	53	44	44	43	36
L_{WA}	Outlet side	dB(A)	72	61	65	68	64	61	57	49



Protection category
IP44 with connected duct system.

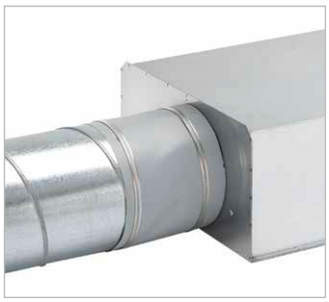
Noise
The total level and range are specified above the performance diagram for
- ☐ Case-radiated sound power.
- ☐ Inlet/outlet side sound power in dB(A).
- ☐ The case-radiated noise as sound pressure at **1 m** (free field conditions) are also specified in the type table.

Accessory details

	Page
Filters, heating elements and silencers	481 ff.
Temperature control systems for heating elements	487, 491 ff.
Flexible ventilation ducts, ventilation grilles, fittings, roof outlets	561 ff.
Disc valves	582 ff.
Universal control system, electronic controllers, speed potentiometer	613 ff.

Accessories

Flexible connecting sleeve
FM 125 Ref. no. 01682
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 125 Ref. no. 00857
Automatic made of plastic, white.

External wall cover grille
G 160 Ref. no. 00893
Made of plastic, white.

Protection grille
SGR 125 Ref. no. 05064
For inlet and outlet side installation. Made of powder-coated steel wire.

Duct shutter
RSKK 125 Ref. no. 05107
Automatic, made of plastic.

Flexible cross talk silencer
FSD 125 Ref. no. 00677
Made of aluminium pipe with double-sided plug-in connectors. Sound insulation lining 50 mm thick, installation length 1 m.

Air filter box
LFBR 125 Coarse 70%* 08577
LFBR 125 ePM1 50%* 08531
Air filter with large surface area, for installation in pipeline.

Electric heating element
EHR-R 0.8/125 0.8 kW No. 08709
EHR-R 1.2/125 1.2 kW No. 09433
– with integrated temp. control
EHR-R 0.8/125 TR 0.8 kW No. 05293
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 125 Ref. no. 09480
Compact heat exchanger for installation in duct system.

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

* See product page 484 for detailed description.