SB EC 200



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

EC

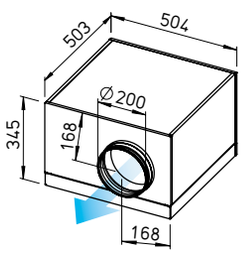
SVS EC 200



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

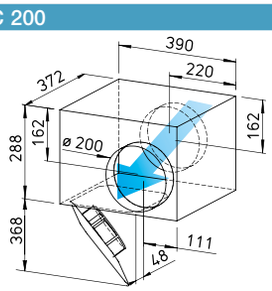
EC

Dimensions SB EC 200



Dim. in mm

Dimensions SVS EC 200



Dim. in mm

Common features SilentBox SB EC and SlimVent SVS EC

- **Installation**
  No restrictions in any position (horizontal, vertical, diagonal) through corresponding installation for supply or extract ventilation. Mounting bracket included in delivery.
- **Drive**
  Energy-saving, speed-controllable EC external rotor motor in protection category IP44 with high efficiency. Maintenance-free and ball bearing mounted. Motor and impeller dynamically balanced for low-noise operation.
- **Power control**
  Continuously variable speed control with internal (delivery) or external potentiometer or continuously variable speed control with universal control system (see table). Performance levels are shown in the performance curve as an example.
- **Motor protection**
  Integrated electronic temperature monitoring system for EC motor and electronics.
- **Noise**
  See page 419.

Description SilentBox EC

- **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. Inlet via nozzle.
- **Electrical connection**
  Terminal box (IP54) mounted to external cable.
- **Protection category**
  IP44 with connected duct system.

Description SlimVent SVS EC

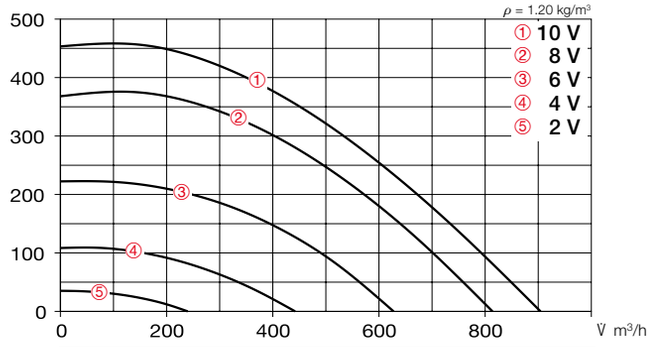
- **Casing**
  Extremely flat casing with sound-insulating, over 50 mm thick mineral wool lining and glass fibre surface. The acoustic box placed in front of the fan wheel significantly reduces the inlet-side noises. The radiated noises are reduced to a lesser extent (see noise data above the performance 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.
- **Electrical connection**
  Terminal box (IP54) mounted to external cable.
- **Protection category**
  IP44 with connected duct system.

Type	Ref. no.	Connection Ø	Flow rate Free blowing	Rated speed	Sound press. case radiation	Power consum.	Current consum.	Wiring diagram	Max. air flow temp.	Wgt net aprx.	Universal control system		Speed potentiometer flush-mount.		surf-mount.	
		mm	V̇ m³/h	min⁻¹	dB(A) in 1 m	kW	A	No.	+ °C	kg	Type	Ref. no.	Type	Ref. no.	Type	Ref. no.
Type SB EC, Single-phase alternating current, 230 V, 50/60 Hz, EC motor, IP54 (A), IP44 (B)																
SB EC 200 A	06138	200	900	2830	39	0.12	1.00	979	60	17	**EUR EC** [1)2)]	01347	**PU 10** [1)]	01734	**PA 10** [1)]	01735
SB EC 200 B	09626	200	970	2890	42	0.15	1.20	979	60	17	**EUR EC** [1)2)]	01347	**PU 10** [1)]	01734	**PA 10** [1)]	01735
Type SVS EC, Single-phase alternating current, 230 V, 50/60 Hz, EC motor, IP44																
SVS EC 200 A [3)]	03390	200	910	2780	49	0.12	1.02	979	60	8.1	**EUR EC** [1)2)]	01347	**PU 10** [1)]	01734	**PA 10** [1)]	01735
SVS EC 200 B	00019	200	1010	2880	52	0.15	1.22	979	60	8.3	**EUR EC** [1)2)]	01347	**PU 10** [1)]	01734	**PA 10** [1)]	01735

[1)] Multiple EC fans can normally be connected. [2)] alternative electronic diff. pressure/ temperature controller (EDR/ETR, No. 01437/01438) or three level speed switch (SU/SA, No. 04266/04267), see accessories.
[3)] Performance diagram at www.HeliosSelect.de.

Performance curves SB EC 200 A

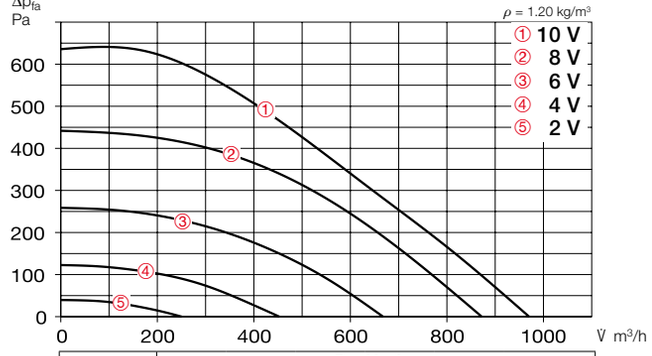
Frequency		Hz	Tot.	125	250	500	1k	2k	4k	8k
L_{WA}	Radiation	dB(A)	47	40	43	42	36	32	29	29
L_{WA}	Inlet side	dB(A)	63	60	58	54	46	45	44	42
L_{WA}	Outlet side	dB(A)	72	64	62	67	60	65	61	52



	Free blowing					
Voltage V	**n** min⁻¹	**V̇** m³/h	**P** W	**I** A	**Lp** dB(A)	**SFP** kW/m³/s
10	2900	900	110	0.9	39	0.44
8	2620	810	80	0.7	38	0.35
6	2010	630	40	0.3	34	0.23
4	1390	440	20	0.2	30	0.16

Performance curves SB EC 200 B

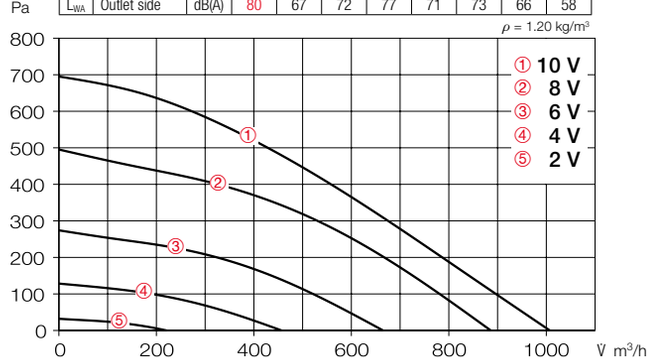
Frequency		Hz	Tot.	125	250	500	1k	2k	4k	8k
L_{WA}	Radiation	dB(A)	50	42	48	42	38	33	30	30
L_{WA}	Inlet side	dB(A)	66	62	62	55	46	45	42	38
L_{WA}	Outlet side	dB(A)	73	65	70	66	61	63	58	50



	Free blowing					
Voltage V	**n** min⁻¹	**V̇** m³/h	**P** W	**I** A	**Lp** dB(A)	**SFP** kW/m³/s
10	2920	970	150	1.2	42	0.55
8	2550	870	100	0.8	40	0.41
6	1920	670	40	0.4	38	0.21
4	1280	450	20	0.2	29	0.16

Performance curves SVS EC 200 B

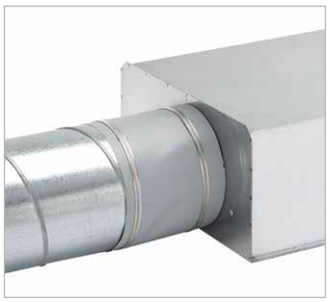
Frequency		Hz	Tot.	125	250	500	1k	2k	4k	8k
L_{WA}	Radiation	dB(A)	60	40	52	58	48	48	39	31
L_{WA}	Inlet side	dB(A)	69	63	65	61	55	54	53	45
L_{WA}	Outlet side	dB(A)	80	67	72	77	71	73	66	58



	Free blowing					
Voltage V	**n** min⁻¹	**V̇** m³/h	**P** W	**I** A	**Lp** dB(A)	**SFP** kW/m³/s
10	2890	1010	150	1.18	52	0.53
8	2540	890	100	0.83	49	0.40
6	1900	665	45	0.39	42	0.24
4	1300	460	20	0.17	34	0.16

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.



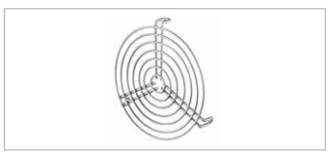
External wall shutter
VK 200 Ref. no. 00758
Made of plastic, light grey.



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.