SB EC 315



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

EC

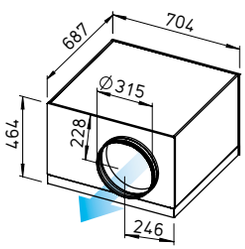
SVS EC 315



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

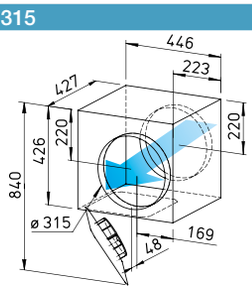
EC

Dimensions SB EC 315



Dim. in mm

Dimensions SVS EC 315



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 (aprx. 60 cm long).
- **Protection category**
  IP54 with connected duct system.

Description SlimVent SVS EC

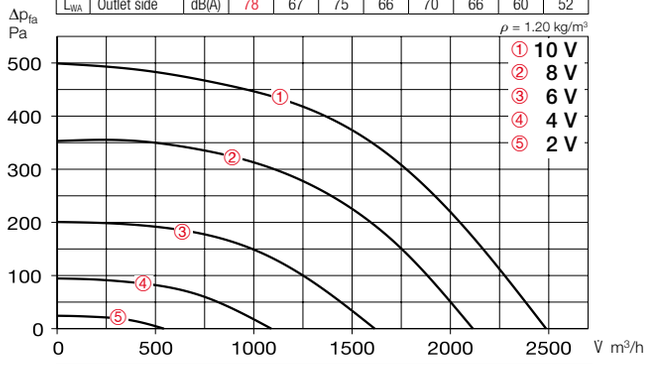
- **Casing**
  Extremely flat casing with sound-insulating, over 50 mm thick mineral wool lining and glass fibre surface. The acoustic box placed in front of the fan wheel significantly reduces the inlet-side noises. The radiated noises are reduced to a lesser extent (see noise data above the performance 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																
SB EC 315 A	06157	315	2490	1660	49	0.36	1.56	979	60	35	**EUR EC** [1)2)]	01347	**PU 10** [1)]	01734	**PA 10** [1)]	01735
SB EC 315 B	09628	315	3280	2210	53	0.85	3.73	979	60	38	**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 315 A	06126	315	1690	2330	50	0.21	1.66	979	60	16.5	**EUR EC** [1)2)]	01347	**PU 10** [1)]	01734	**PA 10** [1)]	01735
SVS EC 315 B [3)]	00667	315	1940	2880	52	0.32	2.46	979	60	16.1	**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 315 A

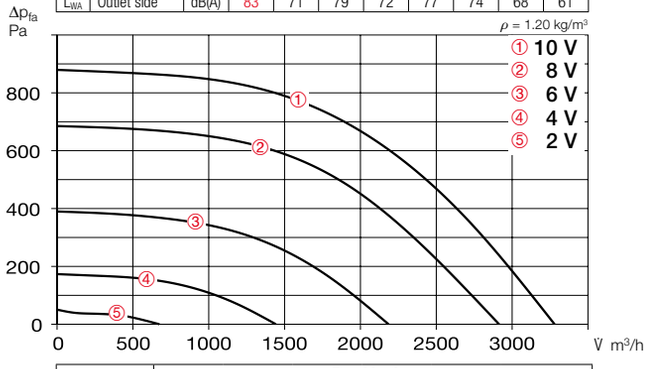
Frequency		Hz	Tot.	125	250	500	1k	2k	4k	8k
L_{WA}	Radiation	dB(A)	57	46	56	43	39	34	32	28
L_{WA}	Inlet side	dB(A)	70	62	68	49	45	49	45	39
L_{WA}	Outlet side	dB(A)	78	67	75	66	70	66	60	52



	Free blowing					
Voltage V	**n** min⁻¹	**V̇** m³/h	**P** W	**I** A	**Lp** dB(A)	**SFP** kW/m³/s
10	1660	2490	310	1.4	49	0.45
8	1420	2120	200	0.9	46	0.34
6	1070	1620	100	0.5	39	0.22
4	730	1090	40	0.2	31	0.13

Performance curves SB EC 315 B

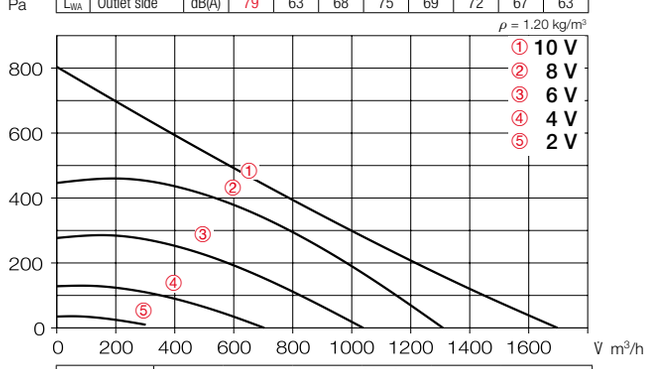
Frequency		Hz	Tot.	125	250	500	1k	2k	4k	8k
L_{WA}	Radiation	dB(A)	61	52	59	52	49	42	38	34
L_{WA}	Inlet side	dB(A)	73	67	70	58	53	58	53	47
L_{WA}	Outlet side	dB(A)	83	71	79	72	77	74	68	61



	Free blowing					
Voltage V	**n** min⁻¹	**V̇** m³/h	**P** W	**I** A	**Lp** dB(A)	**SFP** kW/m³/s
10	2210	3280	740	3.3	53	0.81
8	1960	2910	520	2.3	51	0.64
6	1470	2190	230	1.0	47	0.38
4	980	1440	80	0.5	37	0.20

Performance curves SVS EC 315 A

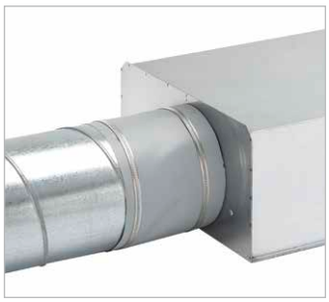
Frequency		Hz	Tot.	125	250	500	1k	2k	4k	8k
L_{WA}	Radiation	dB(A)	58	39	50	55	49	46	41	37
L_{WA}	Inlet side	dB(A)	68	60	63	55	58	60	58	52
L_{WA}	Outlet side	dB(A)	79	63	68	75	69	72	67	63



	Free blowing					
Voltage V	**n** min⁻¹	**V̇** m³/h	**P** W	**I** A	**Lp** dB(A)	**SFP** kW/m³/s
10	2690	1700	210	1.7	50	0.44
8	2130	1310	110	0.88	48	0.30
6	1670	1040	55	0.47	42	0.19
4	1130	700	20	0.20	36	0.10

Accessories

Flexible connecting sleeve
FM 315 Ref. no. 01674
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.



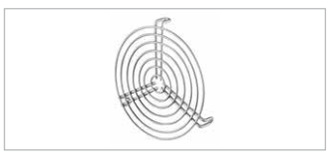
External wall shutter
VK 315 Ref. no. 00760
Automatic made of plastic, light grey.



External wall cover grille
RAG 315 Ref. no. 00752
For placement in front of air inlet and outlet openings in facades. Made of plastic, light grey.



Protection grille
SGR 315 Ref. no. 05068
For inlet and outlet side installation. Made of galvanised steel.



Duct shutter
RSK 315 Ref. no. 05674
Automatic, made of metal.



Flexible cross talk silencer
FSD 315 Ref. no. 00681
Made of aluminium pipe with double-sided plug-in connectors. Sound insulation lining 50 mm thick, installation length 1 m.



Air filter box
LFBR 315 Coarse 70%* 08581
LFBR 315 ePM1 50%* 08535
Air filter with large surface area, for installation in pipeline.



Electric heating element
EHR-R 6/315 6.0 kW No. 08713
– with integrated temp. control
EHR-R 6/315 TR 6.0 kW No. 05301
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 315 Ref. no. 09484
Compact heat exchanger for installation in duct system.



Temperature control system for warm water heating element
WHS HE Ref. no. 08319



* See product page 486 for detailed description.