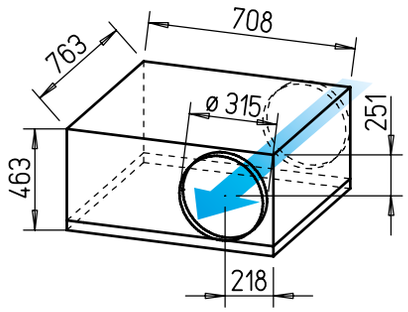
SBD 315



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

Dimensions SBD 315



Dim. in mm

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.
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. Dynamically balanced for low-noise operation. Inlet via nozzle.

Motor
Enclosed, ball bearing mounted external rotor motor with humidity protection, insulation class F, for continuous operation and maintenance-free.

Motor protection
With external thermal contacts on the terminal block, which must be wired to the motor protection circuit breaker (see type table).

Power control
Possible through voltage reduction using 5-step transformer or electronic (continuously variable).

Electrical connection
Terminal box (IP54) mounted to external cable (ca. 60 cm long).

Protection category
IP54.

Installation
No restrictions in any position (horizontal, vertical, diagonal) through corresponding installation for supply or extract ventilation.

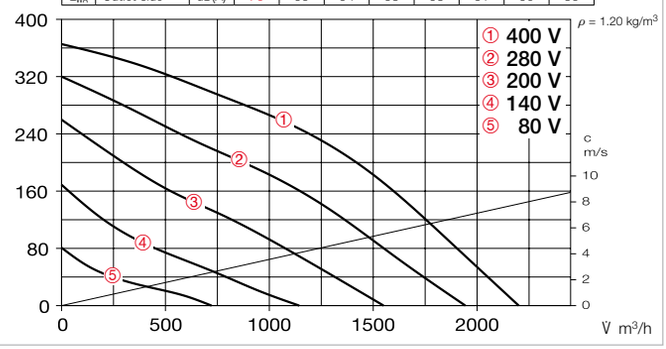
Noise
The total level and range are specified above the performance diagram for
- ☐ Case-radiated sound power
- ☐ Inlet/outlet side sound power in dB(A).
- ☐ The case-radiated noise as sound pressure at 1 m (free field conditions) are also specified in the type table.

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	Weight net approx.	Speed controller 5-step without motor prot. circ. breaker	Ref. no.	Speed controller 5-step with motor prot. circ. breaker	Ref. no.
		V̇ m³/h	min⁻¹	db(A) in 1m	W	A	A	No.	+ °C	+ °C	kg	Type	Ref. no.	Type	Ref. no.
Type SBD, Three-phase current motor, 230/400 V, 50 Hz, IP54															
SBD 315 A	09718	2200	1350	47	215	0.73/0.42	0.44	860	60	60	46.0	**TSD 0.8**[1]	01500	**RDS 1**	01314

1) Motor protection circuit breaker required, Type MD, No. 05849, see accessories.

Performance curves SBD 315 A

Frequency		Hz	Tot.	125	250	500	1k	2k	4k	8k
L_{WA}	Radiation	dB(A)	54	51	51	37	36	31	29	28
L_{WA}	Inlet side	dB(A)	64	62	57	41	35	35	32	29
L_{WA}	Outlet side	dB(A)	70	68	64	53	53	51	50	38



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.

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.



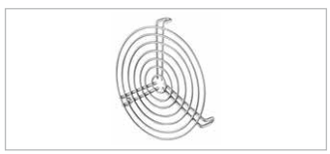
External wall shutter
VK 315 Ref. no. 00760
Automatic made of plastic, light grey.



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.