GB 315



Ⓐ Axial outlet

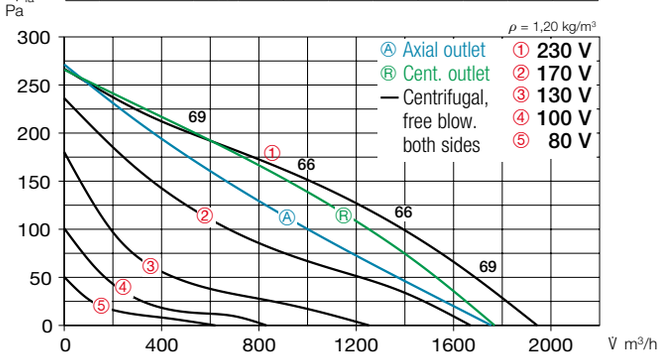
Ⓡ Centr. outlet

— Centrifugal, free blowing both sides

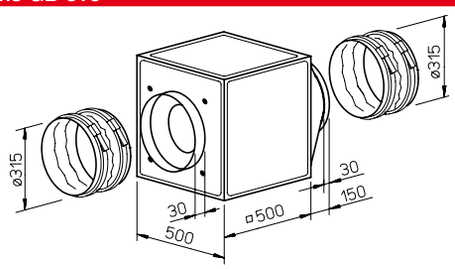
Any installation position and location due to five possible outlet directions.

Performance curves GBW 315/4

Frequency		Hz	Tot.	125	250	500	1k	2k	4k	8k
L_{WA}	Radiation	dB(A)	46	40	44	34	29	23	13	9
L_{WA}	Inlet side	dB(A)	58	38	51	55	52	51	47	41
L_{WA}	Outlet side	dB(A)	66	46	61	62	59	54	47	42



Dimensions GB 315



Dim. in mm

Casing
Self-supporting frame construction made of aluminium hollow profiles. Double-walled, 20 mm thick side panels made of galvanised steel sheet, sound and heat insulated by non-flammable mineral wool lining.
Nozzle on inlet side for optimal inflow as well as connectors and flexible connecting sleeve (for the respective max. permissible air flow temperature) for duct connection. Moulded part (square to round) on outlet side for low-loss outflow and flexible connecting sleeve to prevent structure-borne noise transmission.
Simple positioning with standard crane hook.

Impeller
Free-running high performance centrifugal impeller made of steel with backward curved blades, directly driven. Energy-efficient with low noise emission. Dynamically balanced together with the motor in accordance with DIN ISO 21940-11 – quality grade 6.3.

Drive
Through maintenance-free, speed-controllable external rotor motor in protection category IP44.
Ball bearing mounted, radio interference-free.

Electrical connection
Standard terminal box (IP54) on motor.

Motor protection
Through built-in thermal contacts wired in series to the winding, automatic deactivation and reactivation after cooling.

Power control
Speed-controllable through voltage reduction using a 5-step transformer.
Performance levels are shown in the performance curve as an example.

Installation
Any installation position and flexible installation due to five possible outlet directions of the outlet fitting.
The wall bracket (accessories) must be used for wall installation.
Protected outdoor installation possible with weather protection cover and grille (accessories)

Noise
The total level and range are specified above the performance diagram for:
☐ Case-radiated sound power
☐ Inlet side sound power
☐ Outlet side sound power
The inlet side sound power level is also specified above the nominal performance curve in the performance diagram.
☐ The case-radiated noise as sound pressure at 4 m (free field conditions) is also specified in the type table.

Accessories

Vibration dampers for indoor installation. 1 set = 4 pcs.
SDD-U Ref. no. 05627

Wall bracket for wall installation.
GB-WK 315 Ref. no. 05625

Weather protection grille for outlet-side coverage.
GB-WSG 315 Ref. no. 05638

Weather protection cover for protected outdoor installation.
GB-WSD 315 Ref. no. 05747

Condensate tray with drain connectors (central) for duct/hose connection.
GB-KW 315 Ref. no. 05643

References	Page
Planning information	14 ff.
General techn. information, power control	19 ff.
Accessory details	**Page**
Speed contr., controllers	601 ff.

Type	Ref. no.	Max. flow rate	Rated speed	Case-rad. sound pressure	Power consumption	Current consumption at rated voltage	Current consumption in control mode	Wiring diagram	Maximum air flow temp. at Rat. vol.	Maximum air flow temp. at control	Weight net aprx.	Transformer speed controller 5-step without motor protection circuit breaker Type	Ref. no.
		V̇ m³/h	min⁻¹	dB(A) in 4m	kW	A	A	No.	+ °C	+ °C	kg		
Alternating current, 1~, 230 V, 50 Hz, Capacitor motor, protection category IP44													
GBW 315/4	05510	1940	1200	24	0.124	0.56	0.56	923	60	60	30.0	**TSW 1.5**	01495