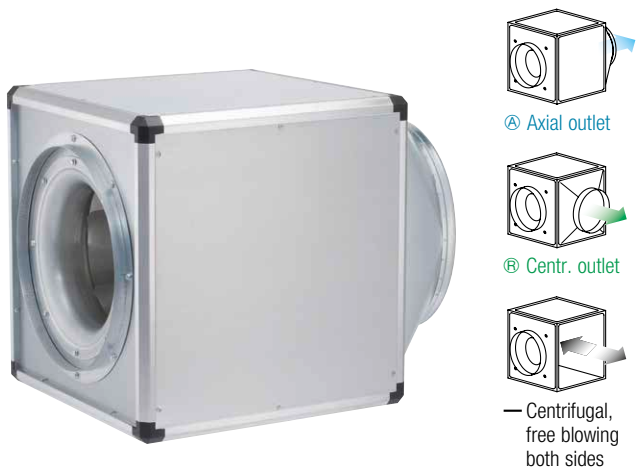
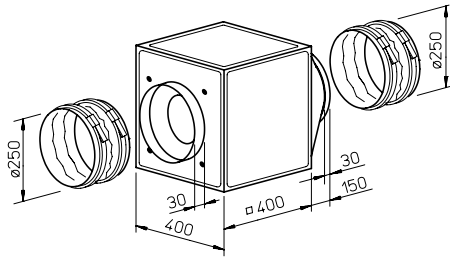


GB 250



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

Dimensions GB 250



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 on galvanised steel plate, directly driven. Energy-efficient with low noise emission.

Dynamically balanced together with the motor in accordance with DIN ISO 21940-11 – quality grade 2.5.

■ 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.

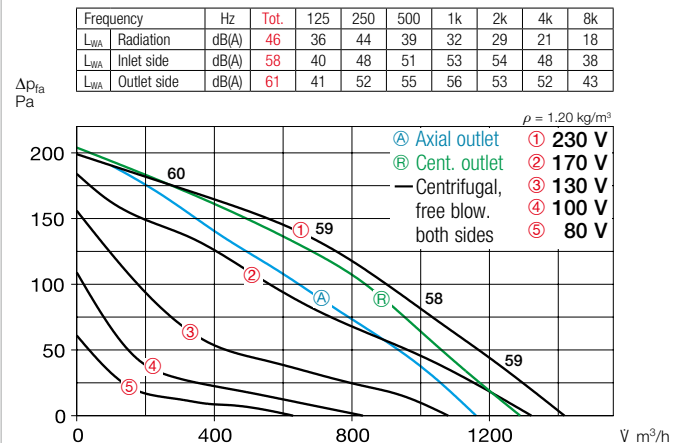
■ Motor protection

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

■ Power control

Through voltage reduction using 5-step transformer or electronically speed-controllable. Performance levels are shown in the performance curve as an example.

Performance curves GBW 250/4



■ 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 250 Ref. no. 05625
- Weather protection grille** for outlet-side coverage.
GB-WSG 250 Ref. no. 05637
- Weather protection cover** for protected outdoor installation.
GB-WSD 250 Ref. no. 05746
- Condensate tray** with drain connectors (central) for duct/hose connection.
GB-KW 250 Ref. no. 05642

References	Page
Planning information	14 ff.
General techn. information, power control	19 ff.
Accessory details	Page
Speed contr., controllers	599 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
		V m³/h	min ⁻¹	dB(A) in 4m	kW	A	A	No.	+ °C	+ °C	kg	Type Ref. no.
Alternating current, 1~, 230 V, 50 Hz, Capacitor motor, protection category IP44												
GBW 250/4	05509	1420	1340	26	0.095	0.44	0.44	923	70	70	18.0	TSW 1.5 01495