

■ Specification

■ Casing

Self-supporting frame construction made from hollow aluminium profiles. Lined with 20 mm thick double-walled side panels made from galvanised sheet steel, sound and thermally insulated with flame-retardant mineral wool. Intake cone for ideal airflow, spigot and flexible connector for duct connection. With discharge adapter (from square to circular) on the pressure side for low-loss discharge and flexible sleeve to reduce vibration transmission. Simple positioning with standard crane hooks.

□ Impeller

Free-running high-performance centrifugal fan made from steel with backward curved blades on a galvanised steel plate, direct driven. Energy efficient with low noise development. Dynamically balanced together with the motor according to DIN ISO 1940 T.1 – grade 6.3.

□ Motor

Through maintenance-free, speed controllable external rotor motor protected to IP 44. Ball bearing mounted, interference-free.

□ Electrical connection

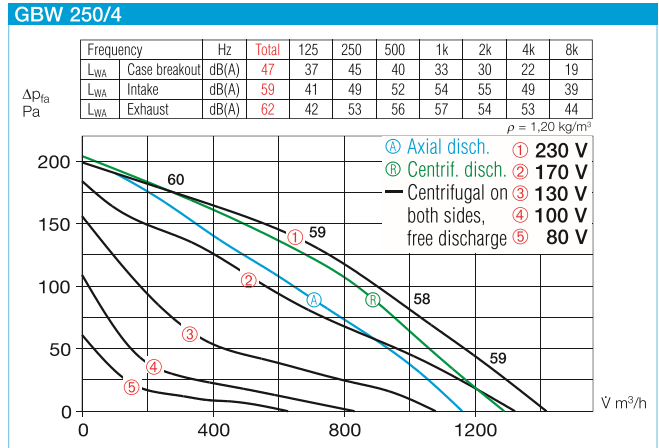
Standard terminal box (IP 54) on motor.

□ Motor protection

Through built-in thermal contacts wired in series with the winding, switches off and on automatically after cooling.

□ Speed control

Through voltage reduction by means of 5-step transformer or electronic speed controller. The performance stages are specified in the performance curve.



□ Installation

Arbitrary installation position and flexible assembly by five possible discharge directions via the discharge adapter.

For wall mounting the wall bracket (accessories) has to be used. Outdoor installation is possible using outdoor cover hood and external weather louvres (accessories).

■ Sound levels

Total sound power levels and the spectrum figures in dB(A) are given for:

- Sound level case breakout
 - Sound level intake
 - Sound level exhaust
- In the table below as well as underneath the performance curve you can find additionally the sound pressure levels at 4 m (free field conditions).

■ Accessories

Anti vibration mounts for installation indoors. 1 set = 4 pcs.

SDD-U Ref. no. 5627

Wall bracket for wall mounting.

GB-WK 250 Ref. no. 5625

External weather louvre to cover exhaust opening.

GB-WSG 250 Ref. no. 5637

Outdoor cover hood for protected outdoor installation.

GB-WSD 250 Ref. no. 5746

Condensate collector with condensate spigot (centre) for pipe connection.

GB-KW 250 Ref. no. 5642

Information	Page
Information for planning	10 on
General techn. information, speed control	15 on
Accessory-Details	Page
Speed switch, controller	525 on

Type	Ref. no.	Air flow volume max.	R.P.M.	Sound press. case breakout	Motor power	Current full load	Current controlled	Wiring diagram	max. air flow temperature at full load	Weight net approx.	5-step transformer-speed switch without full motor protection	Type	Ref. no.
		V m ³ /h	min ⁻¹	dB(A) in 4 m	kW	A	A	No.	+°C	+°C	kg		
Single phase motor, 1-, 230 V, 50 Hz, capacitor motor, protection to IP 44													
GBW 250/4	5509	1500	1290	27	0.11	0.44	0.48	864	65	65	20.0	TSW 1,5	1495