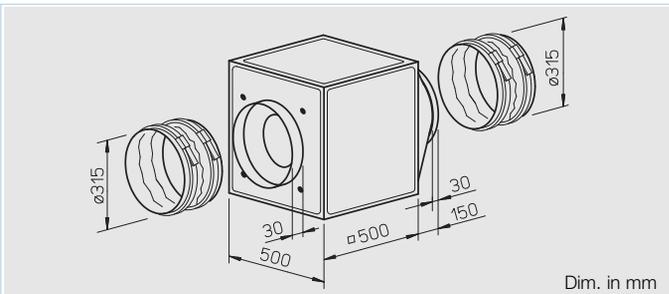
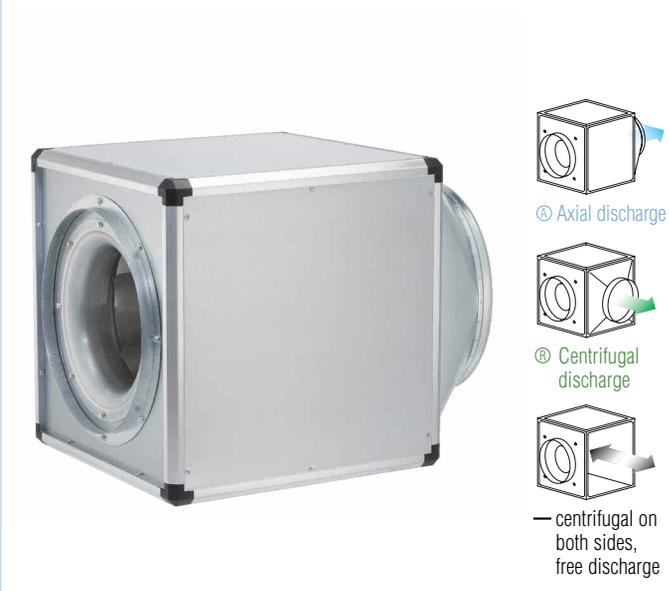
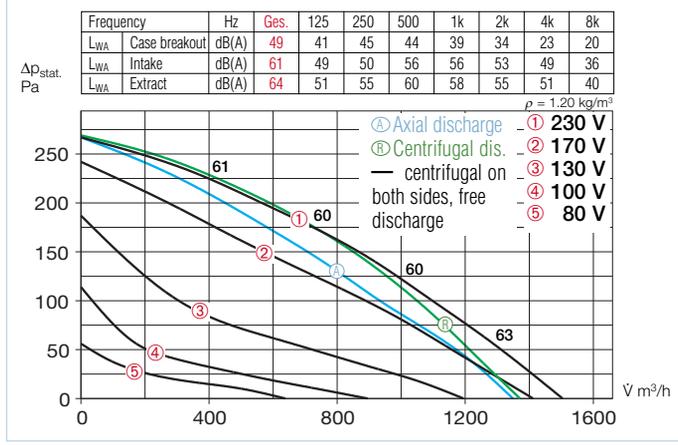


Models GB..



GBW 315/4



**■ Specification**  
**■ Casing**

Self-supporting frame construction from aluminium hollow profiles. Double-walled side panels from galvanised sheet steel, lined with 20 mm thick temperature insulation and 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 by standard crane hooks.

**□ Impeller**

Smooth running centrifugal highly efficient impeller with backward curved blades from steel on galvanised steel disc, direct driven. Energy efficient with a low noise development. Dynamically balanced together with the motor to DIN ISO 1940 Pt.1 – class 6.3.

**□ Motor**

Maintenance-free and speed controllable external rotor motor, protection to IP 44. With ball bearings and radio suppressed as standard.

**□ Electrical connection**

Terminal box fitted on the motor as standard, protection to IP 54.

**□ Motor protection**

Motors have thermal contacts wired in series with the windings which automatically reset.

**□ Speed control**

Speed controllable through voltage reduction by 5 step transformer controller or electronic speed controller. Duties at different speeds are given in the performance curve.

**□ Assembly**

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 louvers (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 tables above the performance curve. Beside, the sound power level (on intake) is stated over the rated characteristic curve. In the table below you can also find the  
 – case breakout level at 4 m (freefield conditions).

**■ Accessories**

**Anti vibration mounts** for installation indoors. Set of 4.

**SDD-U** Ref. No. 5627

**Wall bracket** for wall mounting.

**GB-WK 315** Ref. No. 5625

**External weather louvers** to cover exhaust opening

**GB-WSG 315** Ref. No. 5638

**Outdoor cover hood** for outdoor installation.

**GB-WSD 315** Ref. No. 5747

**Condensate collector** with condensate spigot for pipe connection.

**GB-KW 315** Ref. No. 5643

| Information                                     | Pages  |
|---|--------|
| Design of systems, acoustic                     | 12 on  |
| General techn. information, speed control       | 17 on  |
| Accessory-Details                               | Pages  |
| Speed controller and full motor protection unit | 397 on |

| Type  | Ref. No. | Air flow volume (FID)<br>V m³/h | R.P.M.<br>min⁻¹ | Sound press. level case breakout<br>dB(A) at 4 m | Motor power (nominal)<br>kW | Current full load<br>A | Current speed controlled<br>A | Wiring diagram<br>No. | Maximum air flow temperature full load<br>+°C | Nominal weight (net)<br>kg | 5 step transformer controller without motor protect. unit<br>Type | Ref. No.            |
|---|----------|---------------------------------|-----------------|--|-----------------------------|------------------------|-------------------------------|-----------------------|---|----------------------------|---|---------------------|
| <b>1 Phase motor, 230 V / 1 ph. / 50 Hz, capacitor motor, protection to IP 44</b> |          |                                 |                 |  |                             |                        |                               |                       |   |                            |   |                     |
| <b>GBW 315/4</b>  | 5510     | 1490                            | 1325            | 29   | 0.135                       | 0.58                   | 0.60                          | 923                   | 55  | 55                         | 31  | <b>TSW 1.5</b> 1495 |