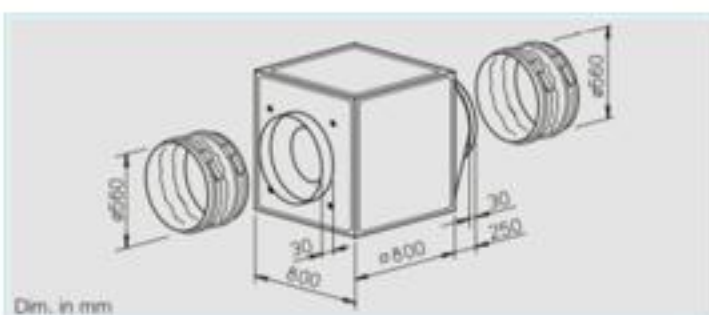
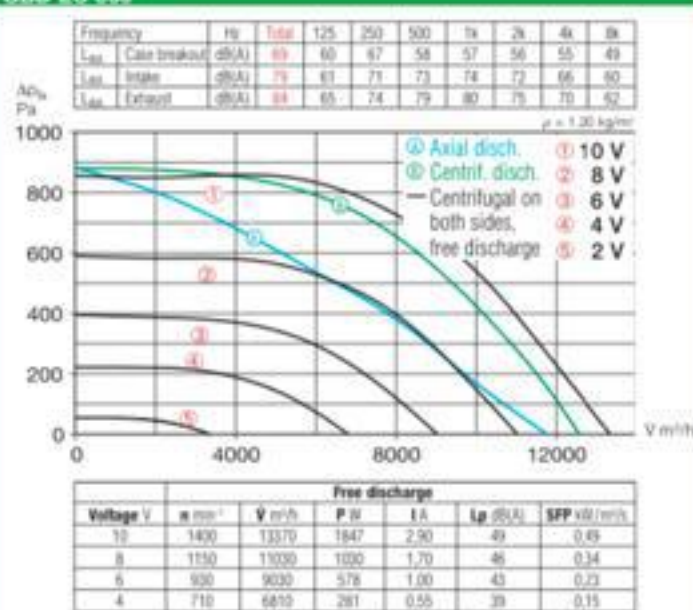


GB EC

Arbitrary installation position and assembly in five possible discharge directions.



GBD EC 560



■ 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 backward curved centrifugal impeller from aluminium, direct driven. Energy efficient with a low noise development. Dynamically balanced together with the motor to DIN ISO 1940 Pt.1 – class 2.5.

■ Motor

Energy saving, speed controllable EC-external rotor motors with highest efficiency, protection to IP 54. With ball bearings, maintenance-free and interference-free.

■ Electrical connection

Standard terminal box (IP 54) is mounted with a permanently attached cable.

■ Motor protection

Integrated electronic temperature monitoring for EC motor and electronics.

■ Speed control

Stepless speed control with potentiometer or stepless speed control with universal control system (see table). Duties at different speeds are exemplarily given 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 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 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 560 Ref. no. 5626

External weather louvre to cover exhaust opening.

GB-WSG 560 Ref. no. 5640

Outdoor cover hood for protected outdoor installation.

GB-WSD 560 Ref. no. 5749

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

GB-KW 560 Ref. no. 5645

Accessory details	Page
Universal control system, electronic controller, speed-potentiometer	539 on

Type	Ref. no.	Connection Ø	Air flow volume (FID)	R.P.M.	Sound press. case breakout	Motor power	Current	Wiring diagram	max. air flow temperature	Weight ref. approx.	Universal control system	Speed-potentiometer flush	Speed-potentiometer surface
		mm	V m³/h	min⁻¹	dB(A) in 4 m	kW	A	No.	°C	kg	Type Ref. no.	Type Ref. no.	Type Ref. no.
Three phase motor, 3-, 400 V, 50/60 Hz, EC motor, protection to IP 54													
GBD EC 560	5814	560	13370	1400	49	2.80	4.30	976	50	83.0	EUR EC ^{1) 2)} 1347	PU 24 ¹⁾ 1736	PA 24 ¹⁾ 1737

¹⁾ several EC fans can normally be connected ²⁾ alternative electronic differential pressure/temp. controller (EDR/ETR, No. 1437/1438) or three-step speed switch (SU/SA, No. 4266/4267), see accessories