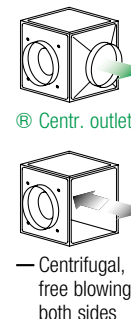
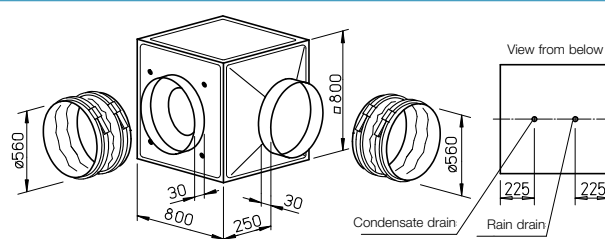


GB 560 T120



Dimensions GB 560 T120



Dim. in mm

- Designed for the delivery of contaminated, humid and hot air up to max. 120 °C.
- Motor located outside of air flow.
- Thermally insulated partition between motor and impeller, made of galvanised steel sheet, with 20 mm thick, non-flammable mineral wool.
- Complete motor-impeller unit can be removed without dismantling the system components.
- Inspection cover with handle, easily removable for cleaning and maintenance.
- Condensate tray with condensate drain as standard. Hole provided for rain drain (accessories) for outdoor installation.

Installation position with condensate drain below. Flexible installation due to three possible centrifugal outlet directions of the outlet fitting.
Protected outdoor installation possible with weather protection cover and grille (accessories).

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).

■ 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.

Free-running high performance centrifugal impeller made of aluminium 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 2.5.

Drive

Through maintenance-free, speed-controllable external rotor motor or IEC standard motor in protection category IP54. Ball bearing mounted.

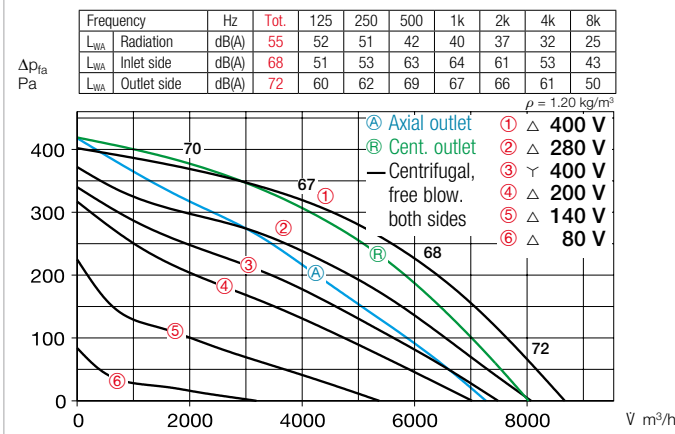
■ Electrical connection

Standard terminal box (IP54) on motor; on the motor support plate for GB T120.

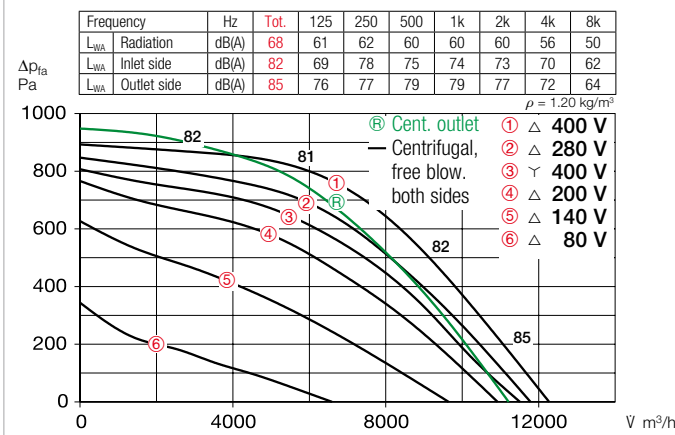
Type	Ref. no.	Max. flow rate	Rated speed	Case-rad. sound pressure	Power consumption	Current consumption		Wiring diagram	Max. air flow temperature at		Weight net aprx.	Speed controller 5-step				Mot. prot. circ. break. for connecting built-in thermal contacts	
						at rated voltage	in control mode		Rat. vol.	Control		with motor prot. circuit breaker	without motor prot. circuit breaker	Ref. no.	Ref. no.		
		l m³/h	min ⁻¹	dB(A) in 4m	kW	A	A	No.	+ °C	+ °C	kg	Type	Ref. no.	Type	Ref. no.	Type	Ref. no.
Alternating current, 1~, 230 V, 50 Hz, Capacitor motor, protection category IP54																	
GBW 560/4	05508	9150	1410	45	1.83	7.93	11.1	865	45	45	92	MWS 10	01946	TSW 10	01498	MW ¹⁾	01579
Two-speed, three-phase current motor, 3~, 400 V, 50 Hz, γ/Δ connection, protection category IP54																	
GBD 560/6/6	05522	7500/8670	705/885	35	0.51/0.80	0.90/1.85	1.90	867	50	50	80	RDS 4	01316	TSD 3.0	01502	MD	05849
GBD 560/4/4	05521	11100/12610	1100/1350	44	1.70/2.60	2.80/4.80	4.90	867	50	40	90	RDS 7	01578	TSD 7.0	01504	MD	05849
 T120 Two-speed, three-phase current motor, 3~, 400 V, 50 Hz, γ/Δ connection, protection category IP54																	
GBD 560/4/4 T120	05578	11520/12300	1250/1400	48	1.85/2.50	3.20/6.80	6.80	520	120	120	105	RDS 7	01578	TSD 7.0	01504	MD	05849

1) Incl. operating switch.

Performance curves GBD 560/6/6



Performance curves GBD 560/4/4 T120



Motor protection

With external thermal contacts on the terminal block, which must be wired to the motor protection circuit breaker.

Power control

All types are speed-controllable using voltage reduction by means of transformer (accessories). The 3~ types can also be operated at two speeds using a γ/Δ switch or motor protection circuit breaker M 4. Performance levels are shown in the performance diagram.

Noise

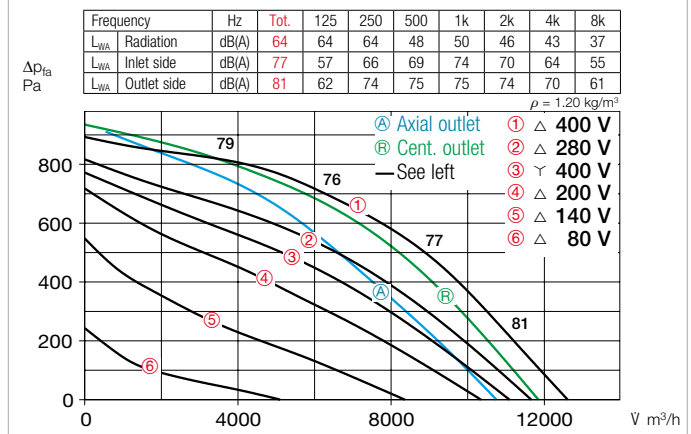
The total level and range are specified above the performance diagram for:

- ☐ Case-radiated sound power
- ☐ Inlet side sound power
- ☐ Outlet side sound power

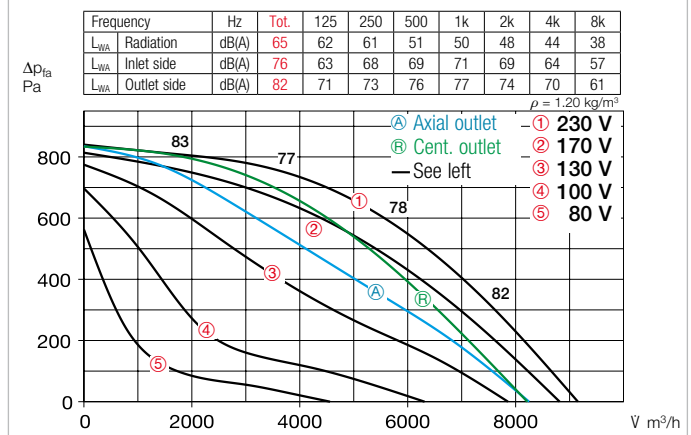
The inlet side sound power level is also specified above the nominal performance curve in the performance diagram.

- ☐ The case-radiated noise as sound pressure at 4 m (free field conditions) is also specified in the type table.

Performance curves GBD 560/4/4



Performance curves GBW 560/4



Accessories for both series

Vibration dampers for indoor installation. 1 set = 4 pcs.

SDD-U Ref. no. 05627

Wall bracket for wall installation.

GB-WK 560 Ref. no. 05626

Weather protection grille for outlet-side coverage.

GB-WSG 560 Ref. no. 05640

Weather protection cover for protected outdoor installation.

GB-WSD 560 Ref. no. 05749

Speed switch and on/off switch

for two-speed γ/Δ switchable three-phase current fans.

DS 2²⁾ Ref. no. 01351

²⁾ required motor protection circuit breaker: Type MD, No. 05849.

Special accessories

☐ for GB series

Condensate tray with drain connectors (central) for duct/hose connection.

GB-KW 560 Ref. no. 05645

(a condensate tray with condensate drain is included in delivery for GB T120).

☐ for GB T120 series

Rain drain for outdoor installation (Hole in casing base already provided).

GB-RA Ref. no. 09418

References	Page
Planning information	14 ff.
General techn. information, power control	19 ff.
Accessory details	Page
Speed controllers and motor prot. circ. breakers	601 ff.