

**GB 560**



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

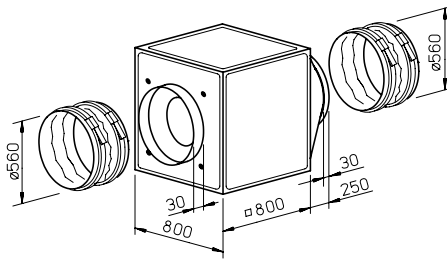
**GB 560 T120**



For the delivery of contaminated, humid and hot air up to max. 120 °C. Motor located outside of air flow.

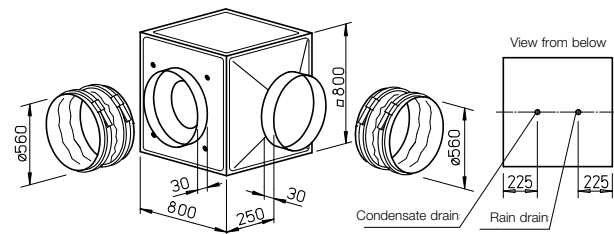


**Dimensions GB 560**



Dim. in mm

**Dimensions GB 560 T120**



Dim. in mm

**Special features of the GB T120 series**

- 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 GB T120**

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).

**Special features of the GB series**

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).

**Description for both series**

- **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 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, radio interference-free.

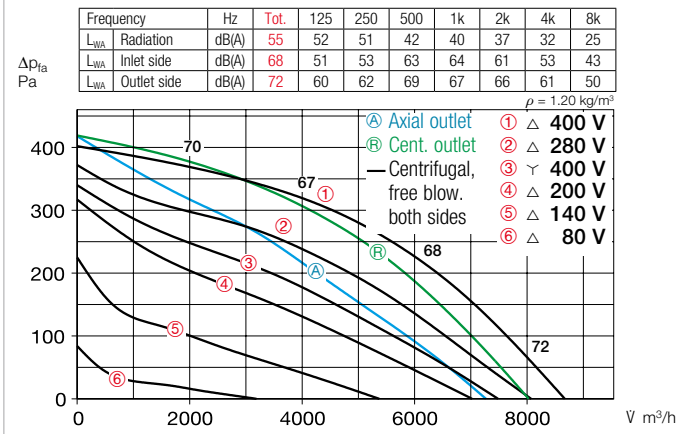
**Electrical connection**

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

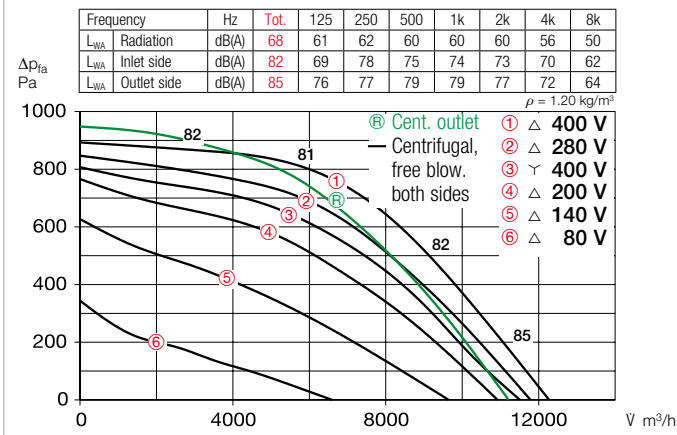
Type	Ref. no.	Max. flow rate	Rated speed	Case-rad. sound pressure	Power consumption	Current consumption at rated voltage	Current consumption in control mode	Wiring diagram	Max. air flow temperature at Rat. vol.	Max. air flow temperature at Control	Weight net aprx.	Speed controller 5-step		Mot. prot. circ. break. for connecting built-in thermal contacts			
												with motor prot. circuit breaker	without motor prot. circuit breaker		Type	Ref. no.	Type
V m³/h																	
min <sup>-1</sup>																	
dB(A) in 4m																	
kW																	
A																	
A																	
No.																	
+ °C																	
+ °C																	
kg																	
<b>Alternating current, 1~, 230 V, 50 Hz, Capacitor motor, protection category IP54</b>																	
GBW 560/4	05508	9150	1410	45	1.83	7.93	11.1	865	45	45	92	MWS 10	01946	TSW 10	01498	MW <sup>1)</sup>	01579
<b>Two-speed, three-phase current motor, 3~, 400 V, 50 Hz, Y/Δ connection, protection category IP54</b>																	
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	1110/1350	44	1.70/2.60	2.80/4.80	4.90	867	50	40	90	RDS 7	01578	TSD 7.0	01504	MD	05849
<b>T120 Two-speed, three-phase current motor, 3~, 400 V, 50 Hz, Y/Δ connection, protection category IP54</b>																	
GBD 560/4/4 T120	05778	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.

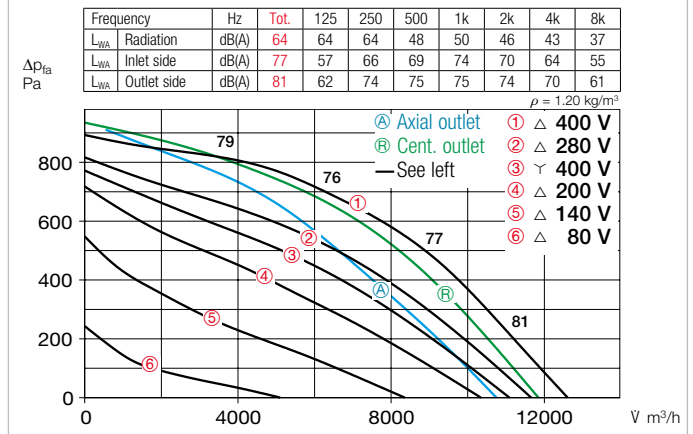
Performance curves GBD 560/6/6



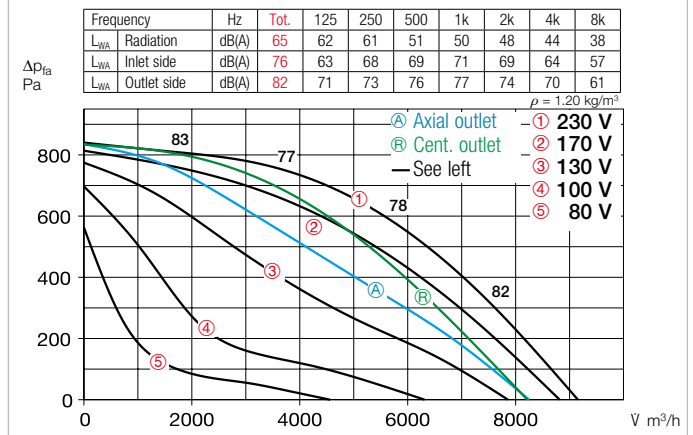
Performance curves GBD 560/4/4 T120



Performance curves GBD 560/4/4



Performance curves GBW 560/4



■ 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 ∇/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.

■ 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 ∇/Δ switchable three-phase current fans.

**DS 2<sup>2)</sup>** Ref. no. 01351

<sup>2)</sup> 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

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