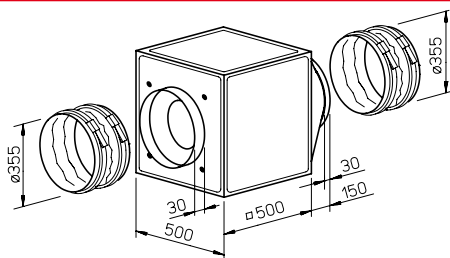


GB 355



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

Dimensions GB 355



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).

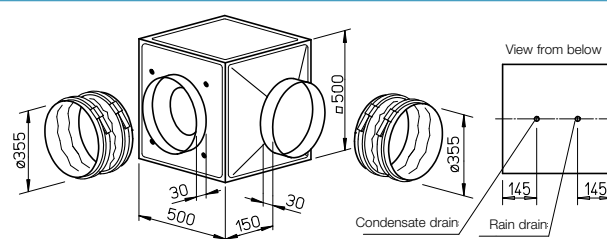
GB 355 T120



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



Dimensions GB 355 T120



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

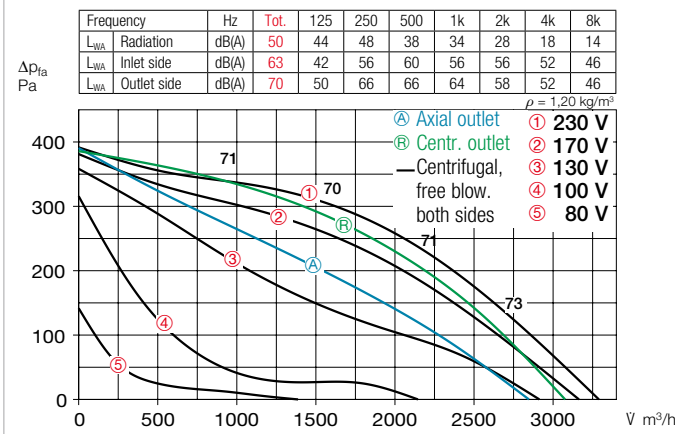
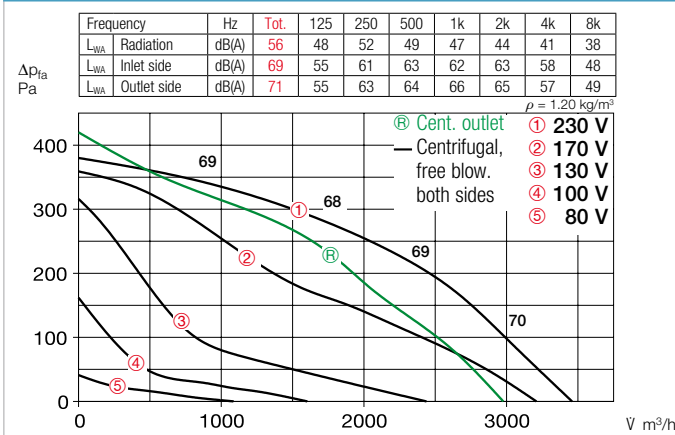
Free-running high performance centrifugal impeller with backward curved plastic blades (aluminium impellers for GB T120), directly driven. Energy-efficient with low noise emission. Dynamically balanced together with the motor in accordance with DIN ISO 21940-11 – quality grade 6.3.

■ Drive

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

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 appr.	Speed controller 5-step with motor prot. circuit breaker	Speed controller 5-step without motor prot. circuit breaker	Mot. prot. circ. break. for connecting built-in thermal contacts
		V 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 355/4	05511	3280	1410	33	0.28	1.35	1.90	864	60	60	32.0	MWS 3 01948	TSW 3.0 01496	MW ¹⁾ 01579
Two-speed, three-phase current motor, 3~, 400 V, 50 Hz, Y/Δ connection, protection category IP54														
GBD 355/4/4	05512	3030/3320	1200/1390	32	0.21/0.28	0.36/0.67	0.67	867	60	60	32.0	RDS 1 01314	TSD 1.5 01501	MD 05849
GB 355 T120 Alternating current, 1~, 230 V, 50 Hz, Capacitor motor, protection category IP54														
GBW 355/4 T120	05770	3460	1340	36	0.32	1.55	1.75	935	120	120	38.0	MWS 3 01948	TSW 3.0 01496	MW ¹⁾ 01579
GB 355 T120 Two-speed, three-phase current motor, 3~, 400 V, 50 Hz, Y/Δ connection, protection category IP54														
GBD 355/4/4 T120	05771	2990/3470	1100/1360	36	0.22/0.33	0.40/0.75	0.75	947	120	120	38.0	RDS 1 01314	TSD 0.8 01500	MD 05849

1) Incl. operating switch

Performance curves GBW 355/4

Performance curves GBW 355/4 T120

Electrical connection

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

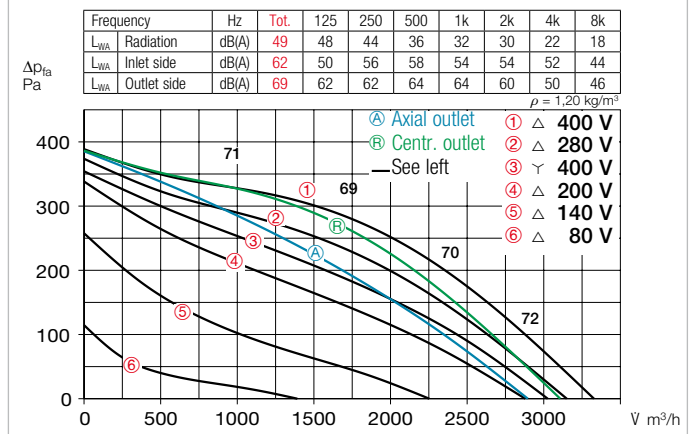
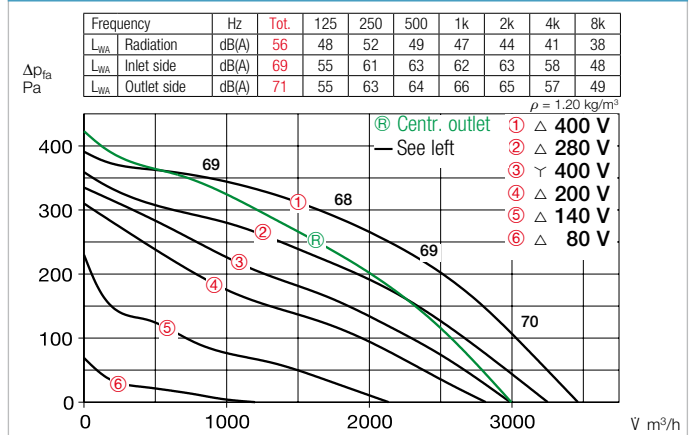
Noise

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 355/4/4

Performance curves GBD 355/4/4 T120

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 355 Ref. no. 05625

Weather protection grille for outlet-side coverage.

GB-WSG 355 Ref. no. 05638

Weather protection cover for protected outdoor installation.

GB-WSD 355 Ref. no. 05747

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 355 Ref. no. 05643

(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.