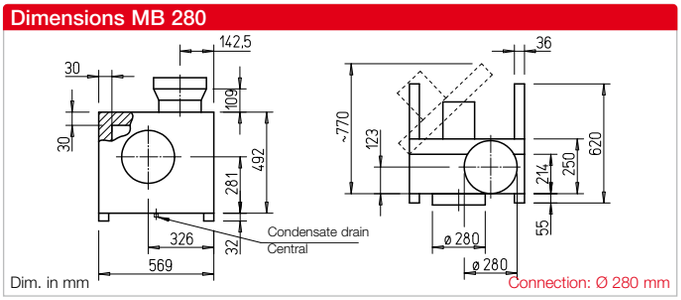
MB 280



(Fig. similar)

Also available in version: Ex

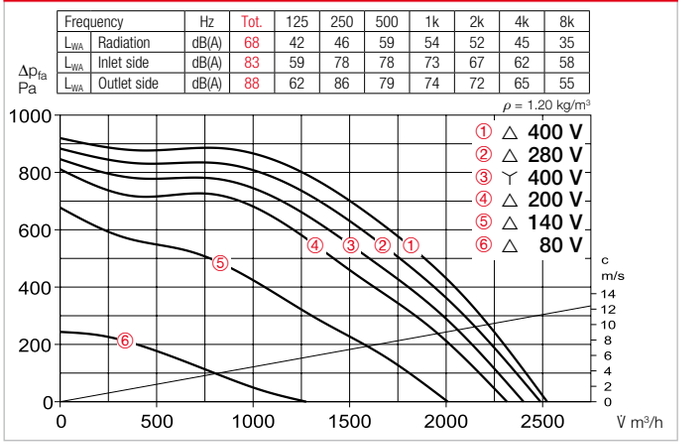
Dimensions MB 280



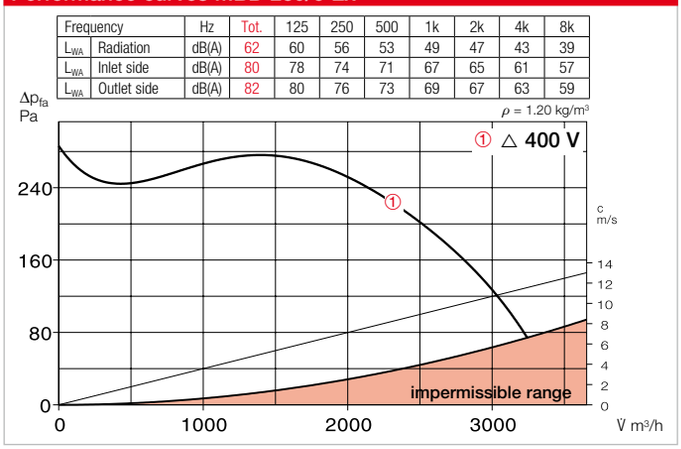
Dim. in mm

Connection: Ø 280 mm

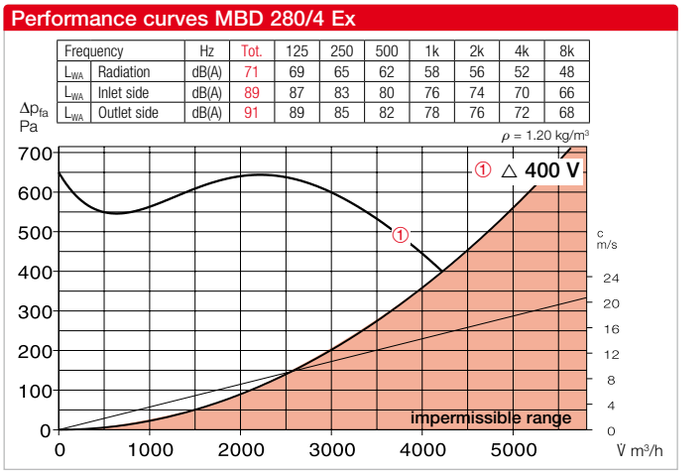
Performance curves MBD 280/2/2



Performance curves MBD 280/6 Ex



Performance curves MBD 280/4 Ex



Casing
See page 322.

Impeller
Backward curved high performance centrifugal impeller made of aluminium, forward curved and made of galvanised steel for explosion-proof types. Dynamically balanced together with the motor. High efficiency, low noise, aerodynamically optimised casing.

Drive
Through maintenance-free, speed-controllable IEC flange motor in protection category IP55. Ball bearing mounted, radio interference-free.

Electrical connection
Standard terminal box (IP55) mounted to external cable, on outside of motor for explosion-proof types.

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

Power control
See page 322.

Accessories

Wall bracket made of galv. steel sheet.
MB-WK EC280 Ref. no. 05527

Wall bracket for Ex types.
MB-WK 280 Ref. no. 05527

Weather protection cover (galv. steel sheet), mounted above motor.
MB-WSD Ref. no. 01856

Flexible connecting sleeve for installation between fan and duct.
FM 280 (+70 °C) No. 01673
FM 280 T120 (+120 °C) No. 01656
FM 315 Ex No. 01690

Speed switch and on/off switch for two-speed ⟡/△ switchable three-phase current fans.
DS 2 [2] Ref. no. 01351

Type	Ref. no.	Flow rate free blowing	Rated speed	Case-rad. sound pressure	Power consumption*	Current consumption* at rated voltage	Current consumption* in contr. mode	Wiring diagram	Max. air flow temperature Rat. vol..	Max. air flow temperature Control	Weight net aprx.	Transformer speed controller 5-step with motor prot. circuit breaker		Transformer speed controller 5-step w/o motor prot. circuit breaker		Mot. prot. circ. break. for connecting built-in thermal contacts	
		V̇ m³/h	min⁻¹	dB(A) at 1m	kW	A	A	No.	+ °C	+ °C	kg	Type	Ref. no.	Type	Ref. no.	Type	Ref. no.
Two-speed, three-phase current motor, 400 V, 50 Hz, ⟡/△ connection, protection category IP55																	
MBD 280/2/2	06460	2400/2520	2680/2890	56/60	0.48/0.57	0.80/1.50	1.60	520	100	60	35.0	**RDS 2**	01315	**TSD 3.0** [2]	01502	**M 4** [1]	01571
Ex **Explosion-proof, II 2G Ex h IIB T3 Gb, motor Ex e, three-phase current 400 Volt, 50 Hz, protection category IP55**																	
MBD 280/6 Ex [3]	06016	2960	960	56	0.95	2.70	–	498	40	–	60.0	Not permitted		Not permitted		–	
MBD 280/4 Ex [3]	06017	4960	1435	65	2.20	4.90	–	498	40	–	68.0	Not permitted		Not permitted		–	

* For Ex types: Motor ratings, see info p.20. [1] Incl. operating and speed switch. [2] Req. motor prot. circuit breaker: Type MD, No. 05849. [3] Dim. drawing at www.HeliosSelect.de.