

MB 280

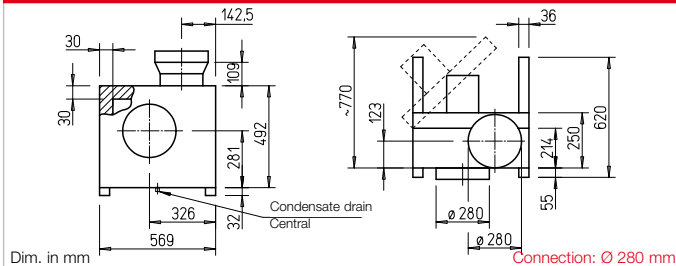


(Fig. similar)

Also available
in version:



Dimensions MB 280



■ 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

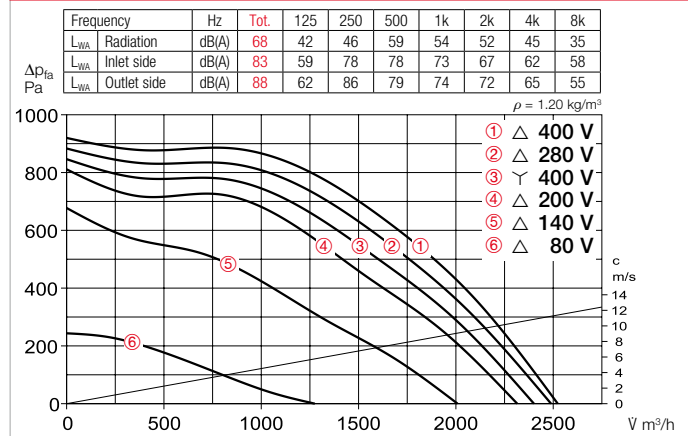
Wall bracket for Ex types.

MB-WK 280 Ref. no. 05527

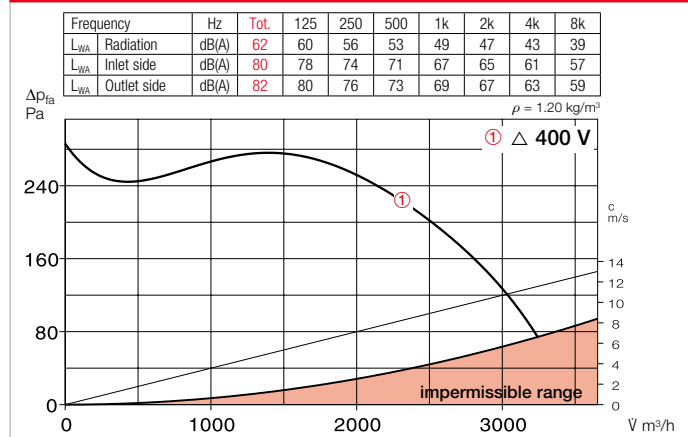
Weather protection cover (galv. steel sheet), mounted above motor.

MB-WSD Ref. no. 01856

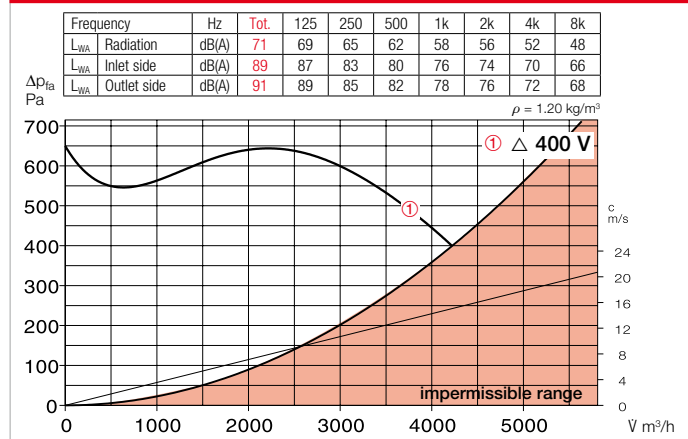
Performance curves MBD 280/2/2



Performance curves MBD 280/6 Ex



Performance curves MBD 280/4 Ex



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 Y/Δ switchable three-phase current fans.

DS 2²⁾ Ref. no. 01351

Type	Ref. no.	Flow rate free blowing	Rated speed	Case-rad. sound pressure	Power con- sumption*	Current consumption*		Wiring diagram	Max. air flow temperature		Weight net aprx.	Transformer speed controller 5-step				Mot. prot. circ. break. for connecting built-in thermal contacts	
		V m³/h	min ⁻¹	dB(A) at 1m	kW	at rated voltage	in contr. mode		Rat. vol..	Control		with motor prot. circuit breaker	w/o motor prot. circuit breaker				
						A	A					No.	+ °C	+ °C	kg		
Two-speed, three-phase current motor, 400 V, 50 Hz, Y/Δ 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
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 ²⁾	06016	2960	960	56	0.95	2.70	—	498	40	—	60.0	Not permitted		Not permitted		—	
MBD 280/4 Ex ²⁾	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.