

**MB 280**

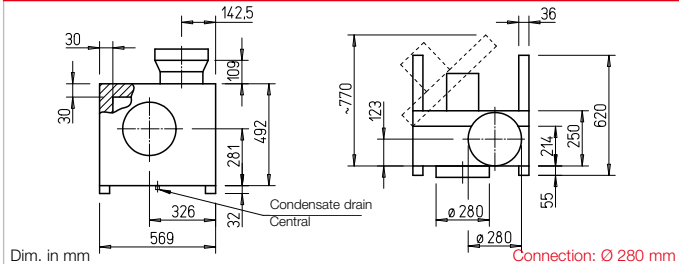


(Fig. similar)

Also available in version:



**Dimensions MB 280**



**■ Casing**

See page 320.

**■ 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 320.

**■ Accessories**

Wall bracket made of galv. steel sheet.

**MB-WK EC280** Ref. no. 05527

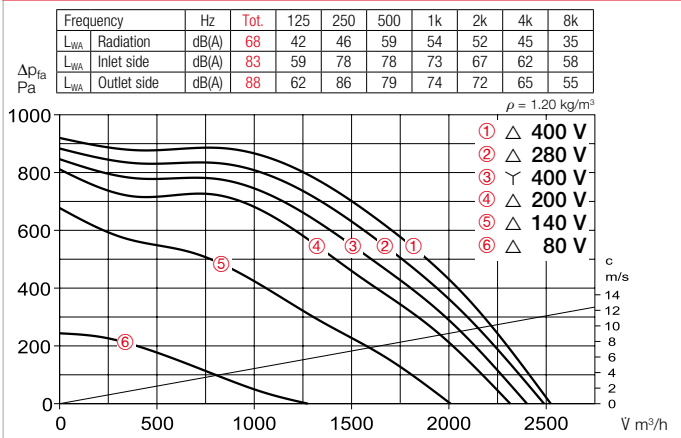
Wall bracket for Ex types.

**MB-WK 280** Ref. no. 05527

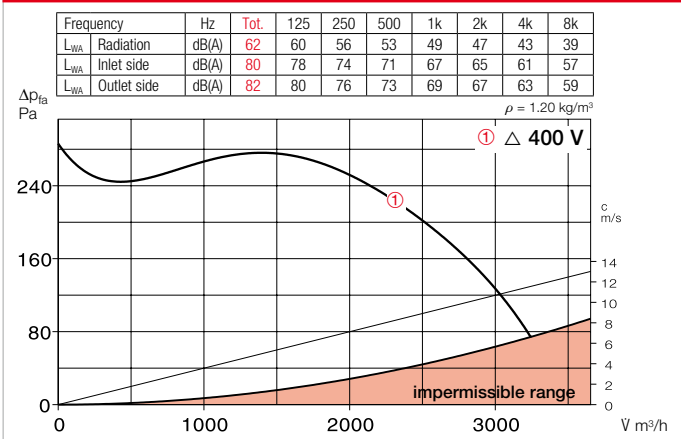
Weather protection cover (galv. steel sheet), mounted above motor.

**MB-WSD** Ref. no. 01856

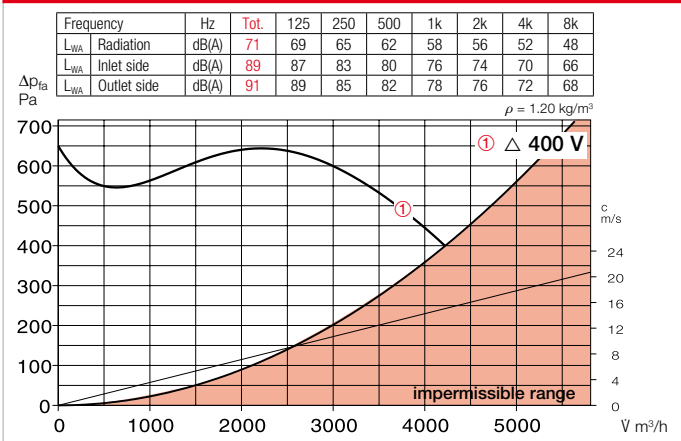
**Performance curves MBD 280/2/2**



**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  $\gamma/\Delta$  switchable three-phase current fans.

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

Type	Ref. no.	Flow rate free blowing	Rated speed	Case-rad. sound pressure	Power consumption*	Current consumption*		Wiring diagram	Max. air flow temperature		Weight net appr.	Transformer speed controller 5-step					
						at rated voltage	in contr. mode		Rat. vol..	Control		with motor prot. circuit breaker	w/o motor prot. circuit breaker	Mot. prot. circ. break. for connecting built-in thermal contacts			
		V m <sup>3</sup> /h	min <sup>-1</sup>	dB(A) at 1m	kW	A	A	No.	+ °C	+ °C	kg	Type	Ref. no.	Type	Ref. no.	Type	Ref. no.
<b>Two-speed, three-phase current motor, 400 V, 50 Hz, <math>\gamma/\Delta</math> connection, protection category IP55</b>																	
<b>MBD 280/2/2</b>	06460	2400/2520	2680/2890	56/60	0.48/0.57	0.80/1.50	1.60	520	100	60	35.0	<b>RDS 2</b>	01315	<b>TSD 3.0<sup>3)</sup></b>	01502	<b>M 4<sup>1)</sup></b>	01571
<b>Ex Explosion-proof, II 2G Ex h IIB T3 Gb, motor Ex e, three-phase current 400 Volt, 50 Hz, protection category IP55</b>																	
<b>MBD 280/6 Ex<sup>3)</sup></b>	06016	2960	960	56	0.95	2.70	-	498	40	-	60.0	Not permitted		Not permitted		-	
<b>MBD 280/4 Ex<sup>3)</sup></b>	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. <sup>1)</sup> Incl. operating and speed switch. <sup>2)</sup> Req. motor prot. circuit breaker: Type MD, No. 05849. <sup>3)</sup> Dim. drawing at www.HeliosSelect.de.