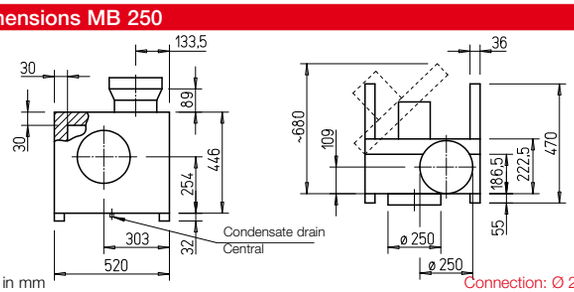
MB 250



(Fig. similar)

Also available in version: Ex

Dimensions MB 250

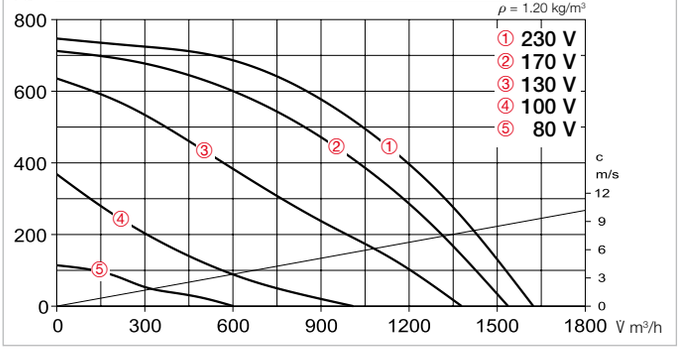


Dim. in mm

Connection: Ø 250 mm

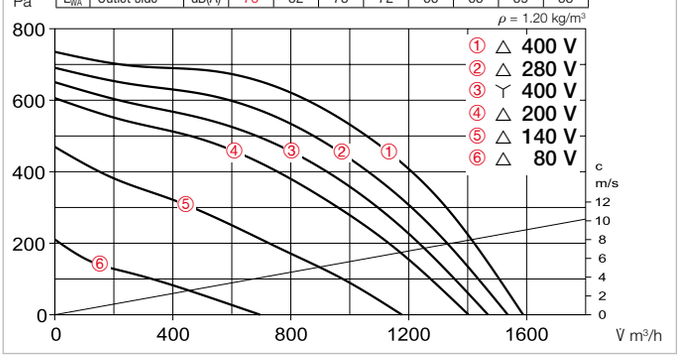
Performance curves MBW 250/2

Frequency		Hz	Tot.	125	250	500	1k	2k	4k	8k
L_{WA}	Radiation	dB(A)	63	36	60	55	50	50	44	36
L_{WA}	Inlet side	dB(A)	76	52	74	69	67	64	59	55
L_{WA}	Outlet side	dB(A)	78	51	75	70	65	65	59	51



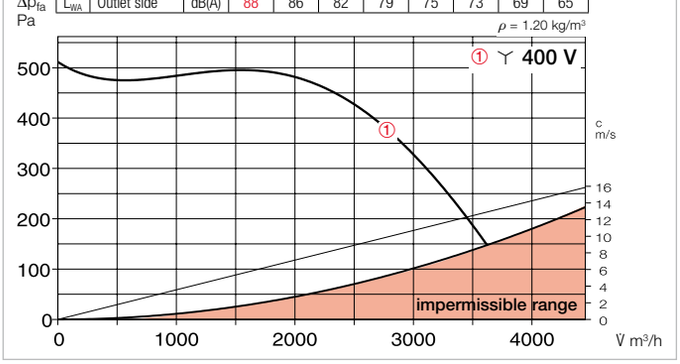
Performance curves MBD 250/2/2

Frequency		Hz	Tot.	125	250	500	1k	2k	4k	8k
L_{WA}	Radiation	dB(A)	64	37	60	52	51	50	44	38
L_{WA}	Inlet side	dB(A)	76	51	70	69	66	64	60	56
L_{WA}	Outlet side	dB(A)	78	52	75	72	66	65	59	53



Performance curves MBD 250/4 Ex

Frequency		Hz	Tot.	125	250	500	1k	2k	4k	8k
L_{WA}	Radiation	dB(A)	68	66	62	59	55	53	49	45
L_{WA}	Inlet side	dB(A)	86	84	80	77	73	71	67	63
L_{WA}	Outlet side	dB(A)	88	86	82	79	75	73	69	65



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 EC250 Ref. no. 05526

Wall bracket for Ex types.
MB-WK 250 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 250 (+70 °C) No. 01672
FM 250 T120 (+120 °C) No. 01655
FM 315 Ex No. 01690

Speed switch and on/off switch for two-speed Y/△ switchable three-phase current fans.
DS 2 [3] 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.
Alternating current, 230 V, 50 Hz, Capacitor motor, protection category IP55																	
MBW 250/2	06458	1620	2840	55	0.30	1.40	2.10	1119	100	60	28.0	**MWS 3**	01948	**TSW 3.0**	01496	**MW** [1]	01579
Two-speed, three-phase current motor, 400 V, 50 Hz, Y/△ connection, protection category IP55																	
MBD 250/2/2	06459	1470/1600	2500/2820	53/56	0.23/0.29	0.40/0.70	0.70	520	100	60	28.0	**RDS 1**	01314	**TSD 0.8** [3]	01500	**M 4** [2]	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 250/4 Ex [4]	06014	4140	1440	62	1.50	3.40	–	470	40	–	52.0	Not permitted		Not permitted		–	

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