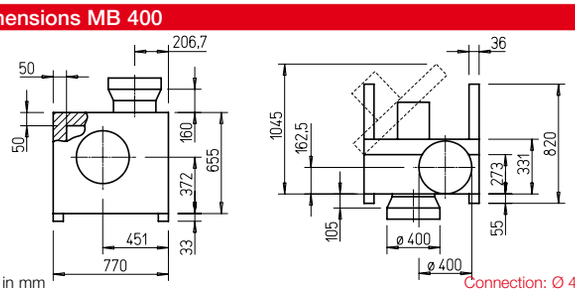
MB 400



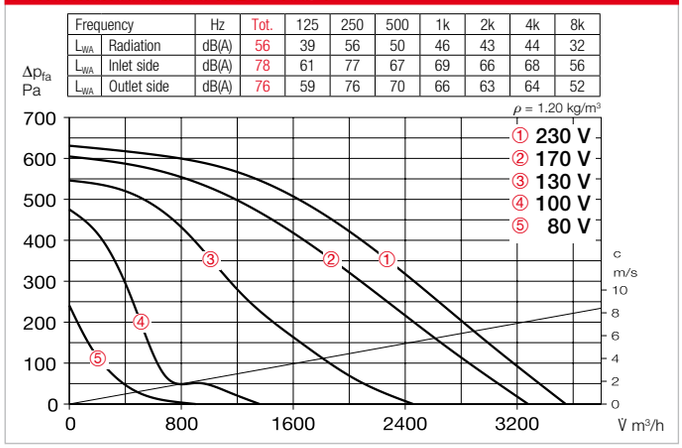
Dimensions MB 400



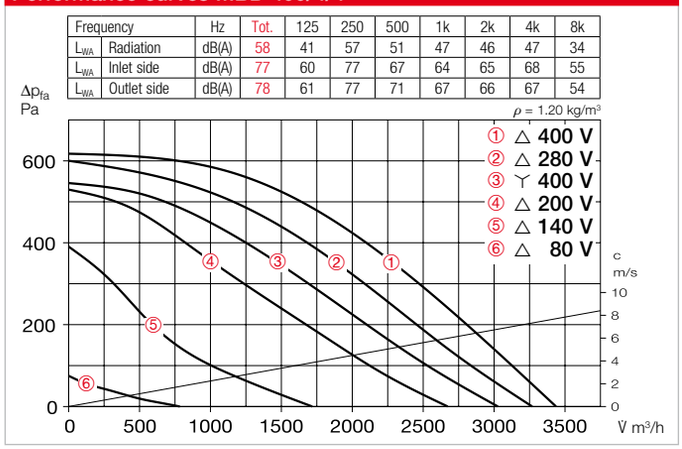
Dim. in mm

Connection: Ø 400 mm

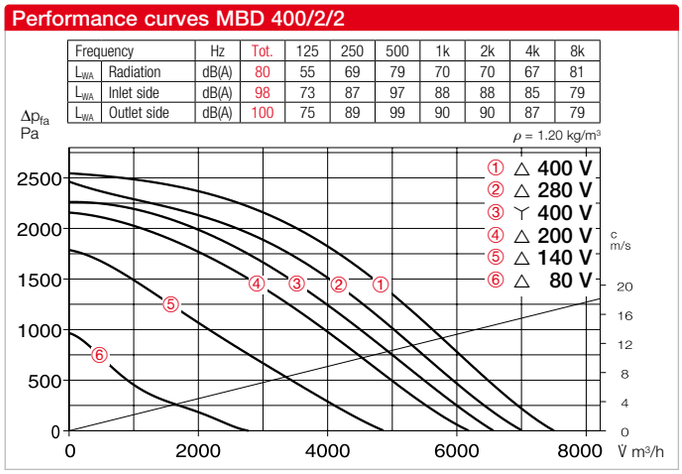
Performance curves MBW 400/4



Performance curves MBD 400/4/4



Performance curves MBD 400/2/2



Casing
See page 322.

Impeller
Backward curved high performance centrifugal impeller made of aluminium, mounted directly on motor shaft.
High efficiency, low noise, aerodynamically optimised volute casing.
Dynamically balanced in accordance with DIN ISO 21940-11 – quality grade 6.3.

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 type MBD 400/2/2.

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 ⋎/△ switch or motor protection circuit breaker M 4. Performance levels are shown in the performance diagram.

Accessories

Wall bracket made of galv. steel sheet.
MB-WK 400 Ref. no. 05528

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

Flexible connecting sleeve for installation between fan and duct.
FM 400 (+70 °C) No. 01676
FM 400 T120(+120 °C) No. 01659

Speed switch and on/off switch for two-speed ⋎/△ 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	Ref. no.	Transformer speed controller 5-step w/o motor prot. circuit breaker	Ref. no.	Mot. prot. circ. break. for connecting built-in thermal contacts	Ref. no.
		V̇ m³/h	min⁻¹	dB(A) at 1m	kW	A	A	No.	+ °C	+ °C	kg	Type		Type		Type	
Alternating current, 230 V, 50 Hz, Capacitor motor, protection category IP55																	
MBW 400/4	05953	3550	1410	48	0.49	2.50	3.70	1119	100	60	85.0	**MWS 5**	01949	**TSW 7.5**	01596	**MW** [1]	01579
Two-speed, three-phase current motor, 400 V, 50 Hz, ⋎/△ connection, protection category IP55																	
MBD 400/4/4	05955	3030/3440	1180/1410	46/50	0.41/0.50	0.71/1.00	1.30	520	100	60	82.0	**RDS 2**	01315	**TSD 1.5** [3]	01501	**M 4** [2]	01571
MBD 400/2/2	05949	6570/7500	2510/2840	71/74	3.10/3.70	4.80/6.10	9.00	520	100	60	110.0	**RDS 11**	01332	**TSD 11** [3]	01513	**M 4** [2]	01571

[1] Incl. operating switch. [2] Incl. operating and speed switch. [3] Req. motor protection circuit breaker: Type MD, No. 05849.