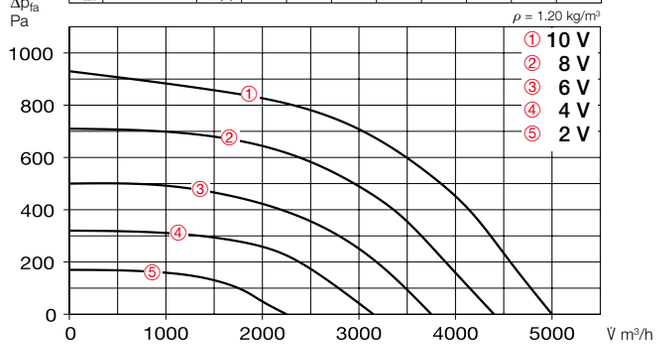
MB EC 400



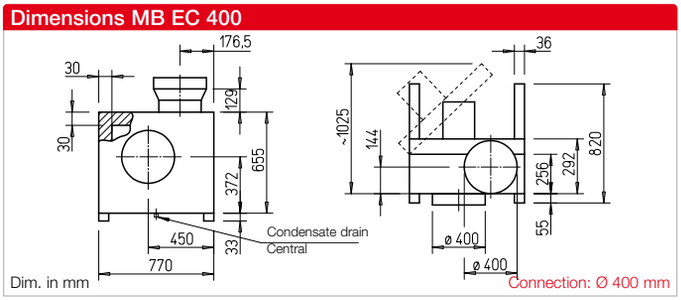
Performance curves MBD EC 400 A

Frequency		Hz	Tot.	125	250	500	1k	2k	4k	8k
L_{WA}	Radiation	dB(A)	76	55	69	70	71	68	63	60
L_{WA}	Inlet side	dB(A)	88	65	81	82	79	80	79	73
L_{WA}	Outlet side	dB(A)	90	70	89	85	84	83	79	73



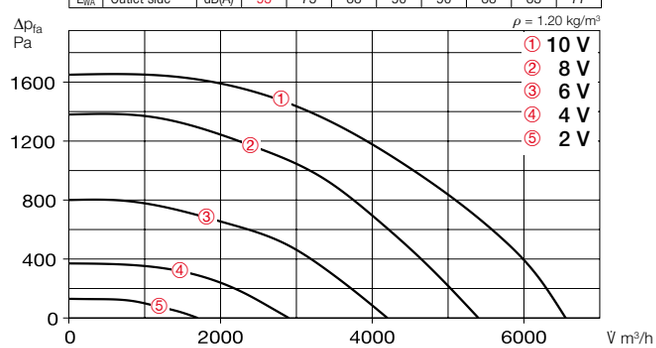
	Free blowing					
Voltage V	**n** min⁻¹	**V̇** m³/h	**P** W	**I** A	**Lp** dB(A)	**SFP** kW/m³/s
10	2000	5000	1120	1.80	68	0.81
8	1750	4400	800	1.30	65	0.65
6	1500	3750	520	0.90	62	0.50
4	1250	3150	320	0.60	57	0.37

Dimensions MB EC 400



Performance curves MBD EC 400 B

Frequency		Hz	Tot.	125	250	500	1k	2k	4k	8k
L_{WA}	Radiation	dB(A)	80	60	73	75	76	73	67	63
L_{WA}	Inlet side	dB(A)	93	71	86	88	84	85	84	79
L_{WA}	Outlet side	dB(A)	95	75	88	90	90	88	83	77



	Free blowing					
Voltage V	**n** min⁻¹	**V̇** m³/h	**P** W	**I** A	**Lp** dB(A)	**SFP** kW/m³/s
10	2600	6550	2300	3.60	72	1,27
8	2300	5400	1600	2.60	69	1.06
6	1800	4200	800	1.50	64	0.68
4	1250	2900	270	0.60	57	0.35

Casing
See description on page 322 for casing, impeller, drive and noise.

Electrical connection
Standard terminal box (IP55) on outside of motor.

Motor protection
Integrated electronic temperature monitoring system for EC motor and electronics. If the maximum permissible motor temperature is exceeded, the speed will be automatically reduced and then returned back to the originally set value after cooling down.

Power control
Continuously variable speed control with potentiometer or continuously variable speed control with universal control system (see table).
Performance levels are shown in the performance curve as an example.

Accessories

Wall bracket
Made of galvanised steel sheet.
MB-WK EC400 Ref. no. 05528

Weather protection cover
Made of galvanised steel sheet, mounted above motor.
MB-WSD EC400 No. 01865

Flexible connecting sleeve
For installation between fan and duct.
– Max. temperature +70 °C
FM 400 Ref. no. 01676
– Max. temperature +120 °C
FM 400 T120 Ref. no. 01659

Accessory details	**Page**
Universal control system, electronic controller, speed potentiometer	615 ff.
Five-step speed switch	610

Type	Ref. no.	Connection Ø	Flow rate free blowing	Rated speed	Case-rad. sound pressure	Power consumption	Current consumption	Wiring diagram	Max. air flow temp.	Weight net aprx.	Universal control system		Speed potentiometer flush-mounted		Speed potentiometer surf.-mounted	
		mm	V̇ m³/h	min⁻¹	dB(A) at 1 m	kW	A	No.	+ °C	kg	**Type**	Ref. no.	**Type**	Ref. no.	**Type**	Ref. no.
Three-phase current, 3~, 400 V, 50/60 Hz, EC motor, protection category IP55																
MBD EC 400 A	05855	400	5000	2000	68	1.30	2.00	988	120	65.0	**EUR EC** [1) 2)]	01347	**PU 10** [1)]	01734	**PA 10** [1)]	01735
MBD EC 400 B	05848	400	6550	2600	72	2.65	4.10	988	120	72.0	**EUR EC** [1) 2)]	01347	**PU 10** [1)]	01734	**PA 10** [1)]	01735

1) Multiple EC fans can normally be connected. 2) Alternative electronic diff. pressure/temperature controller (EDR/ETR, No. 01437/01438) or three level speed switch (SU/SA, No. 04266/04267), see accessories.