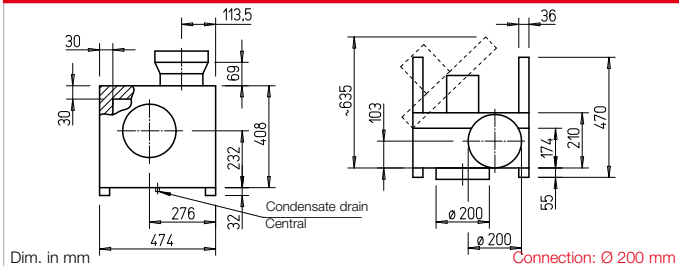


**MB EC 225**



**Dimensions MB EC 225**



**■ Casing**

Double-walled, made of galvanised steel sheet. Sound insulated by lining with 30 mm thick mineral wool insulation boards. Duct connectors on inlet side and outlet side, with rubber lip seal, adapted to standard diameter. Motor-impeller unit fully retractable for inspection and cleaning, suspended on stable hinges. Comes with condensate drain and drip protection with the doors open as standard. Includes mounting rails made of galvanised steel with screwed-on vibration dampers for easy installation.

**■ Impeller**

Backward curved, free-running high performance centrifugal impeller made of galvanised steel, mounted directly on motor shaft. High efficiency, low noise. Dynamically balanced in accordance with DIN ISO 21940-11 – quality grade 6.3.

**■ Drive**

Energy-saving, speed-controllable EC internal rotor motor in protection category IP55 with the highest level of efficiency, located outside of the air flow. Maintenance-free and radio interference-free, ball bearing mounted.

**■ Electrical connection**

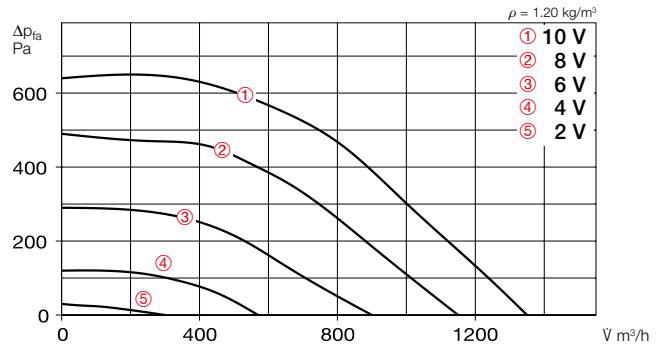
Standard terminal box (IP55) mounted to external cable.

**■ Motor protection**

Integrated electronic temperature monitoring system for EC motor and electronics. The motor is deactivated if the maximum permissible temperature is exceeded.

**Performance curves MBW EC 225**

Frequency	Hz	Tot.	125	250	500	1k	2k	4k	8k
L <sub>WA</sub> Radiation	dB(A)	63	47	50	52	58	57	51	41
L <sub>WA</sub> Inlet side	dB(A)	74	52	65	70	68	65	64	62
L <sub>WA</sub> Outlet side	dB(A)	77	53	64	73	67	70	66	61



Free blowing						
Voltage V	n min <sup>-1</sup>	V m <sup>3</sup> /h	P W	I A	Lp dB(A)	SFP kW/m <sup>3</sup> /s
10	3000	1350	230	1.00	55	0.61
8	2600	1150	150	0.68	52	0.47
6	2000	900	90	0.42	47	0.34
4	1300	570	50	0.27	38	0.25

**■ Accessories**

**Wall bracket** made of galv. steel sheet.

**MB-WK EC225** Ref. no. 05526

**Weather protection cover** made of galv. steel sheet, mounted above motor.

**MB-WSD EC225** No. 01856

**Flexible connecting sleeve** for installation between fan and duct.

Max. temperature +70 °C

**FM 200** Ref. no. 01670

Max. temperature +120 °C

**FM 200 T120** Ref. no. 01654

**■ Accessory details Page**

Accessory details	Page
Universal control system, electronic controller, speed potentiometer	613 ff.

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			
											Type	Ref. no.	Type	Ref. no.		
		mm	V m <sup>3</sup> /h	min <sup>-1</sup>	dB(A) at 1 m	kW	A	No.	+ °C	kg	Type	Ref. no.	Type	Ref. no.		
<b>Alternating current, 1~, 230 V, 50/60 Hz, EC motor, protection category IP55</b>																
<b>MBW EC 225</b>	05842	200	1350	3000	55	0.27	1.20	985	100	25	<b>EUR EC</b> <sup>1)2)</sup>	01347	<b>PU 10</b> <sup>1)</sup>	01734	<b>PA 10</b> <sup>1)</sup>	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).