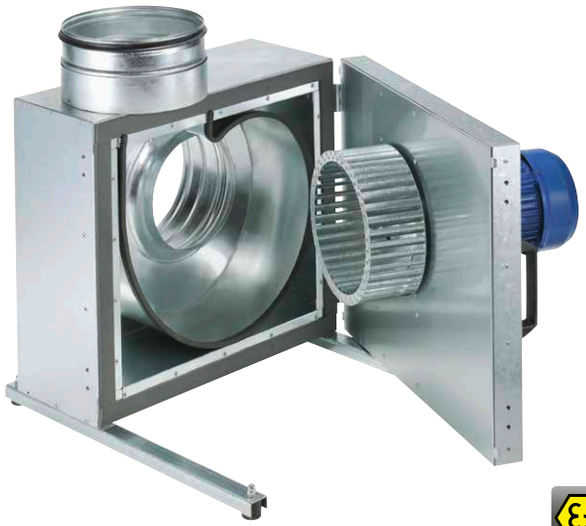
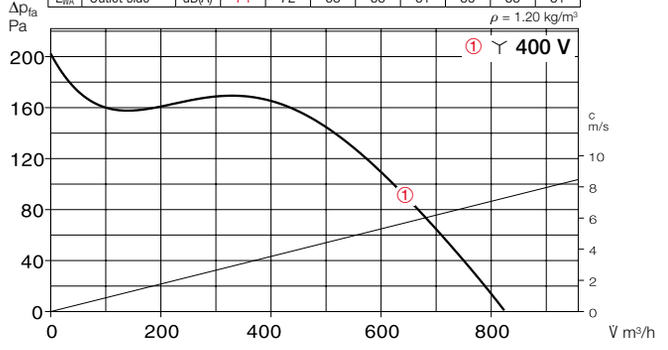
MB 160 Ex



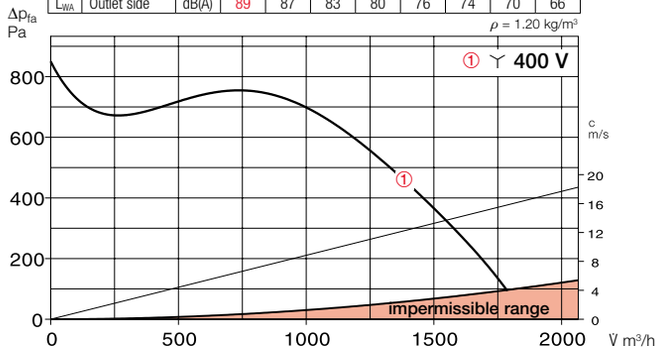
Performance curves MBD 160/4 Ex

Frequency		Hz	Tot.	125	250	500	1k	2k	4k	8k
L_{WA}	Radiation	dB(A)	54	52	48	45	41	39	35	31
L_{WA}	Inlet side	dB(A)	72	70	66	63	59	57	53	49
L_{WA}	Outlet side	dB(A)	74	72	68	65	61	59	55	51

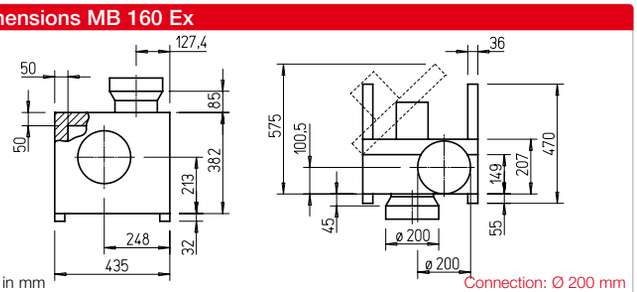


Performance curves MBD 160/2 Ex

Frequency		Hz	Tot.	125	250	500	1k	2k	4k	8k
L_{WA}	Radiation	dB(A)	69	67	63	60	56	54	50	46
L_{WA}	Inlet side	dB(A)	87	85	81	78	74	72	68	64
L_{WA}	Outlet side	dB(A)	89	87	83	80	76	74	70	66



Dimensions MB 160 Ex



Dim. in mm

Connection: Ø 200 mm

Casing

Double-walled, made of galvanised sed steel sheet. Sound insulated by lining with 50 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. Includes mounting rails made of galvanised steel with screwed-on vibration dampers for easy installation.

Impeller

Forward curved high performance centrifugal impeller made of galvanised steel, dynamically balanced together with the motor.
High efficiency, low noise, aerodynamically optimised volute casing.

Drive

Through maintenance-free IEC flange motor in protection category IP55.
Ball bearing mounted, radio interference-free.

Electrical connection

Standard terminal box (IP55) on outside of motor.

Accessories

Wall bracket
Made of galvanised steel sheet.
MB-WK 160 Ref. no. 05526

Weather protection cover
Made of galvanised steel sheet, mounted above motor.
MB-WSD Ref. no. 01856

Flexible connecting sleeve
For installation between fan and duct.
FM 200 Ex Ref. no. 01686

Reference	Page
Techn. description, selection table	322 ff.

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 aprx.	Transformer speed controller 5-step				Mot. prot. circ. break. for connecting built-in thermal contacts	
						at rated voltage	in contr. mode		Rat. vol..	Control		with motor prot. circuit breaker		w/o motor prot. circuit breaker			
		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.
Explosion-proof, II 2G Ex h IIB T3 Gb, motor Ex e, three-phase current 400 V, 50 Hz, protection category IP55																	
MBD 160/4 Ex	06001	970	1420	48	0.37	1.15	–	470	40	–	25.0	Not permitted		Not permitted		–	
MBD 160/2 Ex	06002	2020	2885	63	1.50	3.16	–	470	40	–	34.0	Not permitted		Not permitted		–	

* For ex-proof types: Motor ratings, see info p. 20.