

ERM 18



Short description

Semi-centrifugal duct fan, DN 180, single-phase AC

Application examples

Commercial premises, Canteen, Air extraction system, Workshop, Workplace air extraction system

Article number 0080.0251

Technical data

Air flow volume	290 m ³ /h (Measured with 1 m duct on the inlet and outlet side)
Rotating speed	2.760 1/min
Impeller type	semi-radial
Speed controllable	✓
Type of voltage	Alternating current
Rated voltage	230 V
Frequency	50 Hz
Nominal output	50 W
I _{nom}	0,25 A
I _{max}	0,27 A
Degree of protection	IP 54
Insulation class	B
Mains cable	3 x 1,5 mm ²
Installation position	vertical / horizontal
Material	Synthetic material, shock-resistant
Housing material	Synthetic material, shock-resistant
Colour	Pearl white, similar to RAL 1013
Weight	2,21 kg
Weight including packaging	2,44 kg
Nominal size	180 mm
Width	177 mm
Height	245 mm
Depth	187 mm
Width with packaging	225 mm
Height with packaging	225 mm
Depth with packaging	190 mm
Airstream temperature at nominal current	-20 °C up to 55 °C
Airstream temperature at I _{Max}	-20 °C up to 55 °C
Packing unit	1 piece

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Range	C
GTIN (EAN)	4012799802518

Sound power level in octave range

	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	Total
L_{WA2}, S1 (dB(A))	23	31	23	22	26	24	15	3	34
L_{WA2}, S2 (dB(A))	24	40	34	34	36	40	30	13	45
L_{WA2}, S3 (dB(A))	27	44	44	43	44	49	40	26	53
L_{WA2}, S4 (dB(A))	29	44	47	47	47	51	44	31	55
L_{WA2}, S5 (dB(A))	30	43	49	48	48	53	45	34	57
L_{WA5}, S1 (dB(A))	20	23	26	32	34	28	21	16	37
L_{WA5}, S2 (dB(A))	23	38	39	44	46	44	37	27	50
L_{WA5}, S3 (dB(A))	30	43	49	55	56	55	51	43	61
L_{WA5}, S4 (dB(A))	62	60	61	62	60	56	53	48	69
L_{WA5}, S5 (dB(A))	62	61	63	64	61	58	55	50	70
L_{WA6}, S1 (dB(A))	24	26	28	36	39	33	31	19	42
L_{WA6}, S2 (dB(A))	26	37	41	48	53	50	44	32	56
L_{WA6}, S3 (dB(A))	30	43	50	57	61	59	55	46	65
L_{WA6}, S4 (dB(A))	32	45	53	60	66	62	59	50	69
L_{WA6}, S5 (dB(A))	33	45	55	63	66	64	61	52	70

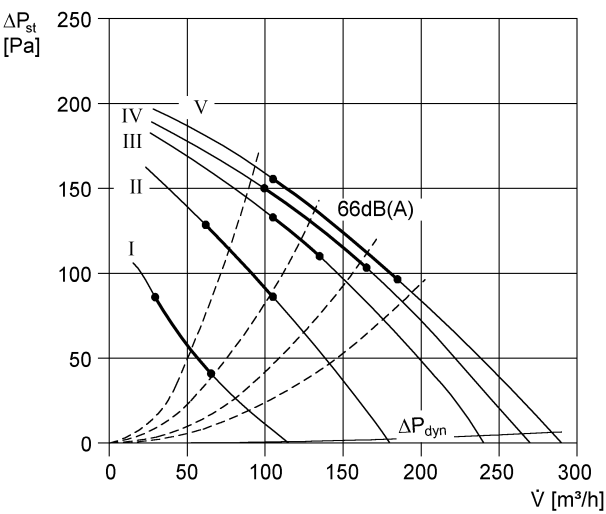
L_{WA2}= housing sound power level in dB.

L_{WA5}= free inlet sound power level in dB.

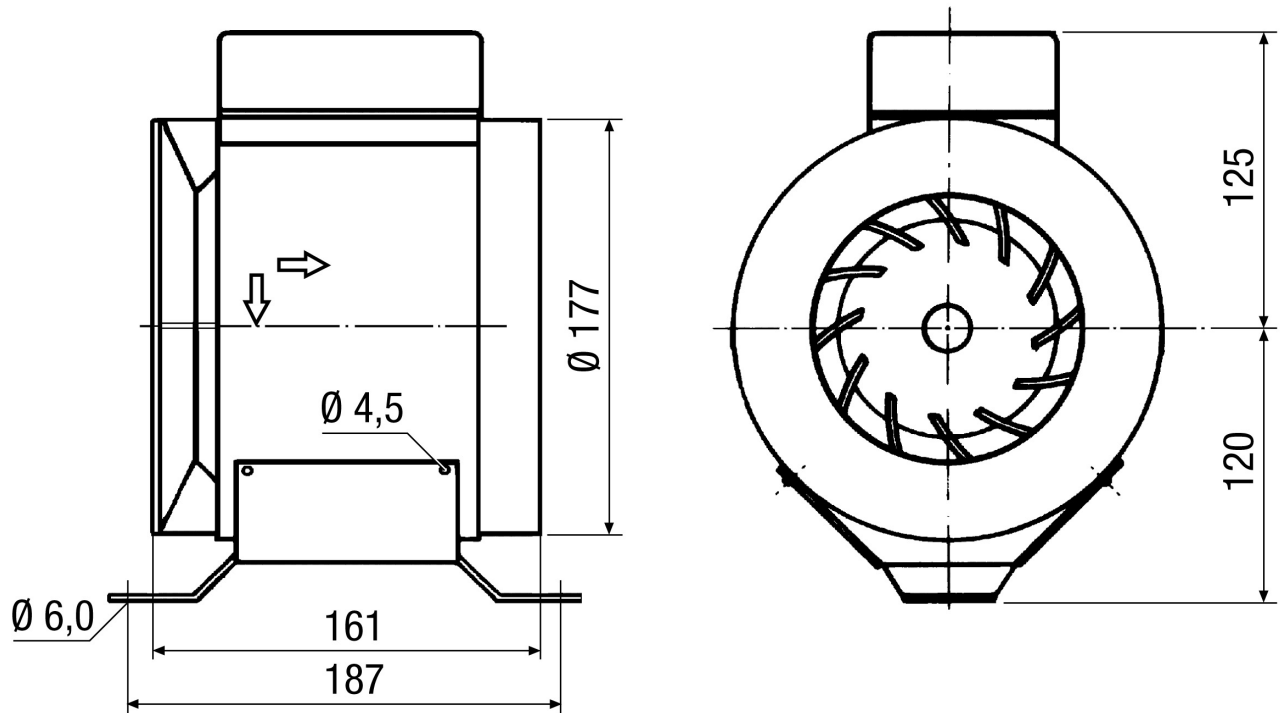
L_{WA6}= free outlet sound power level in dB.

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Characteristic curve



Dimensioned drawing [mm]



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