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Short description

Sound-insulated exhaust air box, DN 250, alternating current

Application examples

Extraction hood, Canteen kitchen, Workplace air extraction system, Machine extraction unit

Article number	0080.0883

Technical data

Air flow volume	2.500 m³/h
Air volume$_{nom}$	1.518 m³/h (in opt. efficiency)
Pressure $p_{fs, nom}$	581 Pa (in opt. efficiency)
Rotating speed n_{nom}	2.844 1/min (in opt. efficiency)
Rotating speed	1.670 1/min
Speed controllable	✓
Type of voltage	Alternating current
Rated voltage	230 V
Frequency	50 Hz
Nominal output	450 W (in opt. efficiency)
I_{nom}	2 A (in opt. efficiency)
I_{max}	3,2 A
Degree of protection	IP X4
Insulation class	F
Mains cable	5 x 1,5 mm²
Installation position	vertical / horizontal
Material	Sheet steel, galvanised
Housing material	Sheet steel, galvanised
Colour	Silver
Weight	37,88 kg
Weight including packaging	46 kg
Swivelling fan	✓
Nominal size	250 mm
Width	592 mm
Height	687 mm
Depth	567 mm
Width with packaging	750 mm
Height with packaging	735 mm
Depth with packaging	680 mm

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Airstream temperature at I_{Max}	-20 °C up to 120 °C
Ambient temperature	80 °C
Packing unit	1 piece
Range	C
GTIN (EAN)	4012799808831

Technical data according to ErP in Best Efficiency Point (BEP)

Total efficiency η	51,6 %
Measurement category	A
Efficiency category	static
Efficiency level N	65,8
VSD necessary	No
Year of manufacture	see rating plate
Manufacturer's name / official registration number / manufacturer's place of establishment	Maico Elektroapparate-Fabrik GmbH / Freiburg registration court, HRB 601233 / Villingen-Schwenningen
Art. No.	0080.0883
P_{BEP} / Air volume$_{BEP}$ / $P_{fs, BEP}$	0,442 kW / 1.518 m³/h / 581 Pa
n_{BEP}	2.844 1/min
Specific ratio	≈ 1
Information about dismantling and disposal	see mounting instructions
Information about installation, operation and repairs	see mounting instructions
Objects used to measure efficiency which are not described by the measurement category	-
I_{BEP}	1,9 A
Sound power levelL_{WA5}	78 dB(A)

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))	37	49	53	48	54	52	48	40	59
L_{WA2}, S2 (dB(A))	42	53	62	56	62	62	59	52	68
L_{WA2}, S3 (dB(A))	45	55	65	58	64	64	62	55	70
L_{WA2}, S4 (dB(A))	44	56	65	59	65	65	63	56	71
L_{WA2}, S5 (dB(A))	47	56	64	60	67	66	65	57	72
L_{WA5}, S1 (dB(A))	42	55	64	65	61	58	59	52	69
L_{WA5}, S2 (dB(A))	41	58	73	73	70	68	67	69	78

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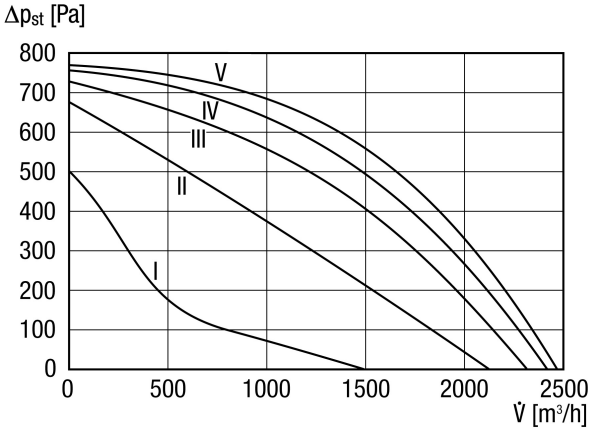
	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	Total
L_{WA5}, S3 (dB(A))	44	59	75	76	73	70	70	63	81
L_{WA5}, S4 (dB(A))	46	61	76	77	74	71	70	64	82
L_{WA5}, S5 (dB(A))	47	61	77	78	75	72	71	65	83
L_{WA6}, S1 (dB(A))	40	53	60	62	62	63	63	53	69
L_{WA6}, S2 (dB(A))	45	60	69	69	71	72	70	65	78
L_{WA6}, S3 (dB(A))	47	61	74	73	73	75	72	69	81
L_{WA6}, S4 (dB(A))	48	62	75	73	74	75	72	69	81
L_{WA6}, S5 (dB(A))	47	62	77	74	75	76	73	70	83

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.

Characteristic curve



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Dimensioned drawing [mm]