PRODUCTDATA SHEET

EKR 20-2

Short description

Sound-insulated exhaust air box, DN 200, alternating current

Application examples

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

Article number	0080.0882

Technical data

Air flow volume	1.650 m³/h
Air volume$_{nom}$	873 m³/h (in opt. efficiency)
Pressure $p_{fs, nom}$	516 Pa (in opt. efficiency)
Rotating speed n_{nom}	2.837 1/min (in opt. efficiency)
Rotating speed	2.840 1/min
Speed controllable	✓
Type of voltage	Alternating current
Rated voltage	230 V
Frequency	50 Hz
Nominal output	260 W (in opt. efficiency)
I_{nom}	1,1 A (in opt. efficiency)
I_{max}	1,8 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	29 kg
Weight including packaging	34,38 kg
Swivelling fan	✓
Nominal size	200 mm
Width	492 mm
Height	571 mm
Depth	485 mm
Width with packaging	600 mm
Height with packaging	680 mm
Depth with packaging	600 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)	4012799808824

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

Total efficiency η	46,1 %
Measurement category	A
Efficiency category	static
Efficiency level N	62,9
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.	0080.0882
P_{BEP} / Air volume$_{BEP}$ / $P_{fs, BEP}$	0,252 kW / 873 m³/h / 516 Pa
n_{BEP}	2.837 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}	1,1 A
Sound power levelL_{WA5}	73 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))	34	43	43	40	43	42	38	31	50
L_{WA2}, S2 (dB(A))	41	52	57	52	55	53	49	44	62
L_{WA2}, S3 (dB(A))	43	50	60	55	58	56	53	47	65
L_{WA2}, S4 (dB(A))	45	53	65	57	59	57	54	48	67
L_{WA2}, S5 (dB(A))	46	54	68	58	61	58	55	50	69
L_{WA5}, S1 (dB(A))	31	53	51	53	52	54	48	47	60
L_{WA5}, S2 (dB(A))	37	57	66	67	64	64	63	56	72

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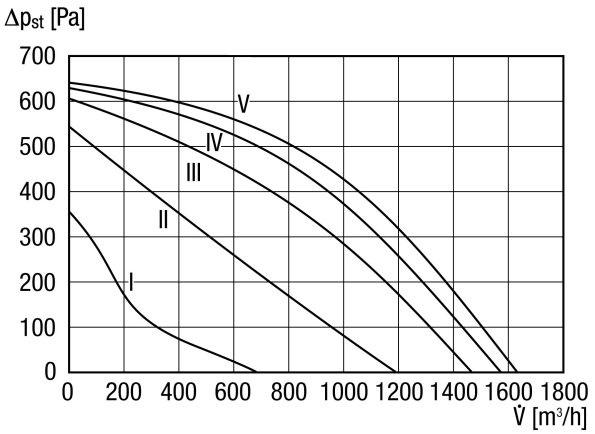
	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	Total
L_{WA5}, S3 (dB(A))	39	58	68	70	68	67	66	60	75
L_{WA5}, S4 (dB(A))	41	58	71	71	69	69	68	62	77
L_{WA5}, S5 (dB(A))	40	58	72	72	70	70	68	63	78
L_{WA6}, S1 (dB(A))	31	49	49	55	52	57	50	44	61
L_{WA6}, S2 (dB(A))	39	57	62	68	65	66	64	56	73
L_{WA6}, S3 (dB(A))	41	59	65	72	68	70	67	60	76
L_{WA6}, S4 (dB(A))	42	60	68	73	70	71	67	62	77
L_{WA6}, S5 (dB(A))	43	60	69	73	71	72	68	64	78

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]