PRODUCTDATA SHEET

EKR 40-2

Short description

Sound-insulated exhaust air box, DN 400, alternating current

Application examples

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

Article number	0080.0886

Technical data

Air flow volume	7.750 m³/h
Air volume$_{nom}$	3.676 m³/h (in opt. efficiency)
Pressure $p_{fs, nom}$	601 Pa (in opt. efficiency)
Rotating speed n_{nom}	1.368 1/min (in opt. efficiency)
Rotating speed	1.450 1/min
Speed controllable	✓
Type of voltage	Alternating current
Rated voltage	230 V
Frequency	50 Hz
Nominal output	1.340 W (in opt. efficiency)
I_{nom}	5,9 A (in opt. efficiency)
I_{max}	7,7 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	110 kg
Weight including packaging	124 kg
Swivelling fan	✓
Nominal size	400 mm
Width	1.016 mm
Height	1.092 mm
Depth	871 mm
Width with packaging	1.100 mm
Height with packaging	1.270 mm
Depth with packaging	940 mm

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Airstream temperature at I_{Max}	-20 °C up to 120 °C
Ambient temperature	40 °C
Packing unit	1 piece
Range	C
GTIN (EAN)	4012799808862

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

Total efficiency η	48,1 %
Measurement category	A
Efficiency category	static
Efficiency level N	58
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.	0080.0886
P_{BEP} / Air volume$_{BEP}$ / $P_{fs, BEP}$	1,238 kW / 3.676 m³/h / 601 Pa
n_{BEP}	1.368 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}	5,5 A
Sound power levelL_{WA5}	79 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))	40	42	49	42	44	38	37	27	52
L_{WA2}, S2 (dB(A))	47	56	53	51	53	50	45	35	60
L_{WA2}, S3 (dB(A))	45	58	57	59	59	55	52	41	65
L_{WA2}, S4 (dB(A))	47	62	60	62	61	57	55	45	68
L_{WA2}, S5 (dB(A))	50	67	64	63	71	59	57	48	74
L_{WA5}, S1 (dB(A))	44	47	60	55	51	51	45	35	62
L_{WA5}, S2 (dB(A))	48	59	64	63	60	60	57	48	69

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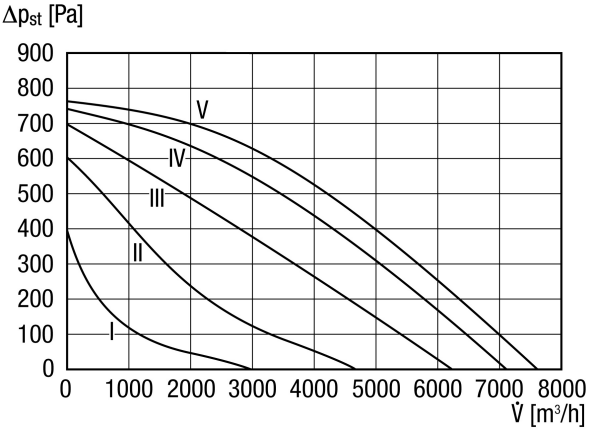
	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	Total
L_{WA5}, S3 (dB(A))	50	65	70	70	67	67	64	57	76
L_{WA5}, S4 (dB(A))	52	71	73	72	71	71	68	61	79
L_{WA5}, S5 (dB(A))	55	76	77	76	77	75	72	64	84
L_{WA6}, S1 (dB(A))	43	45	51	49	52	50	43	31	57
L_{WA6}, S2 (dB(A))	45	56	59	59	61	59	58	45	67
L_{WA6}, S3 (dB(A))	48	62	65	67	69	66	64	55	74
L_{WA6}, S4 (dB(A))	50	67	68	71	73	69	67	59	78
L_{WA6}, S5 (dB(A))	54	75	72	74	78	73	71	63	82

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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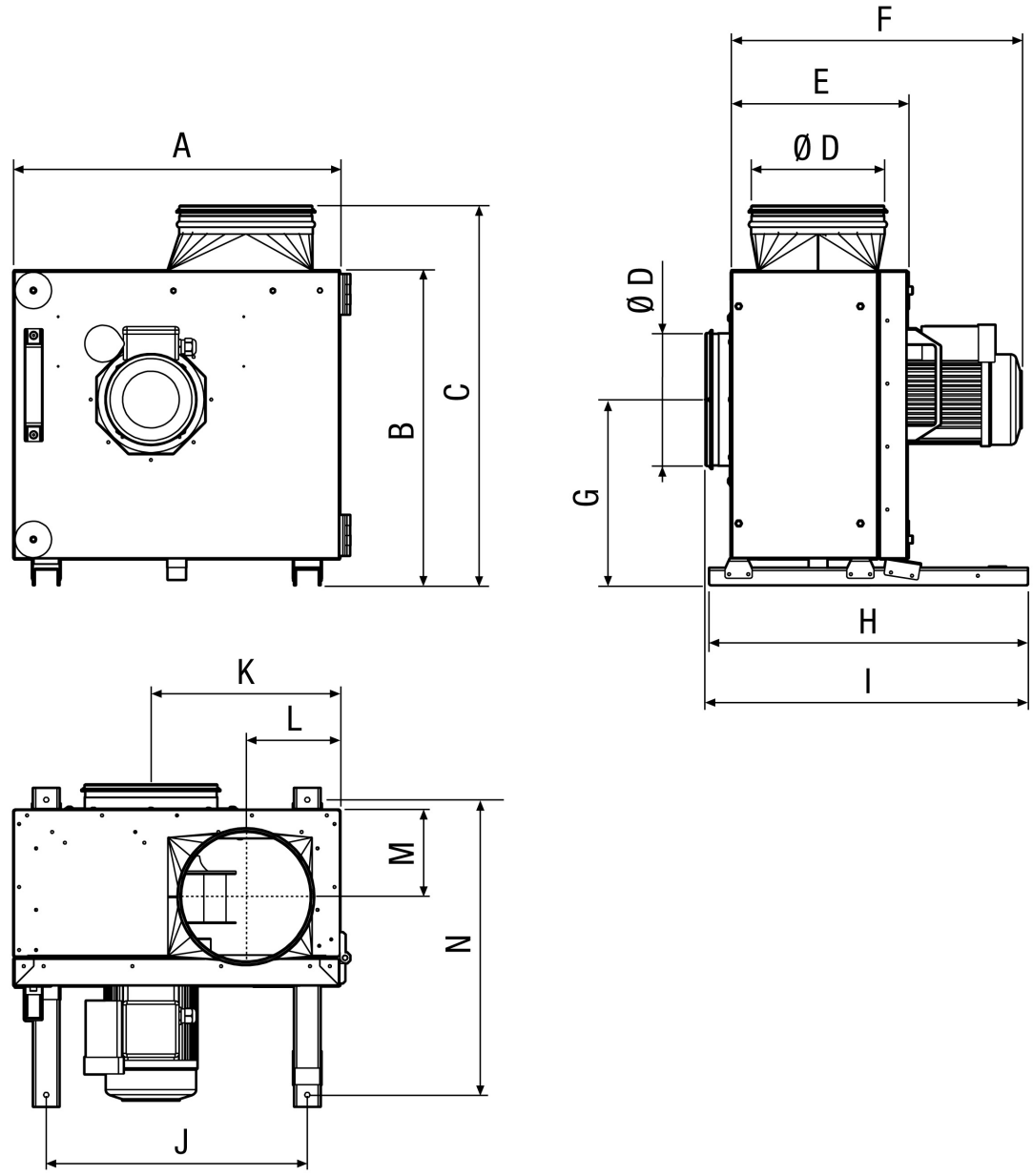
Dimensioned drawing [mm]



A	B	C	D	E	F	G	H	I	J	K	L	M	N
1.016	954	1.092	399	510	823	539	834	871	918	584	242	253	799