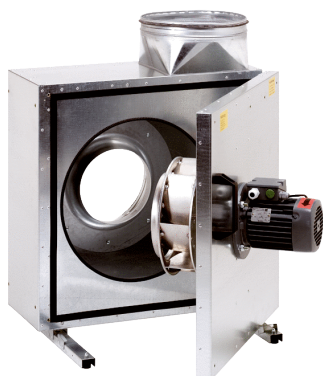


# EKR 40-2



## 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 m <sup>3</sup> /h
Air volume <sub>nom</sub>	3.676 m <sup>3</sup> /h (in opt. efficiency)
Pressure p <sub>fs, nom</sub>	601 Pa (in opt. efficiency)
Rotating speed n <sub>nom</sub>	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 <sub>nom</sub>	5,9 A (in opt. efficiency)
I <sub>max</sub>	7,7 A
Degree of protection	IP X4
Insulation class	F
Mains cable	5 x 1,5 mm <sup>2</sup>
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

# EKR 40-2

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 $\eta$	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 m <sup>3</sup> /h / 601 Pa
$n_{BEP}$	1.368 1/min
Specific ratio	$\approx 1$
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 level $_{L_{WA5}}$	79 dB(A)

## Sound power level in octave range

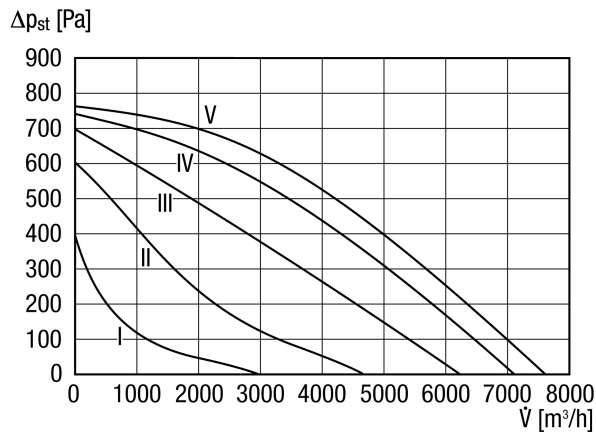
	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	Total
$L_{WA2, S1}$ (dB(A))	40	42	49	42	44	38	37	27	52
$L_{WA2, S2}$ (dB(A))	47	56	53	51	53	50	45	35	60
$L_{WA2, S3}$ (dB(A))	45	58	57	59	59	55	52	41	65
$L_{WA2, S4}$ (dB(A))	47	62	60	62	61	57	55	45	68
$L_{WA2, S5}$ (dB(A))	50	67	64	63	71	59	57	48	74
$L_{WA5, S1}$ (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

# EKR 40-2

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

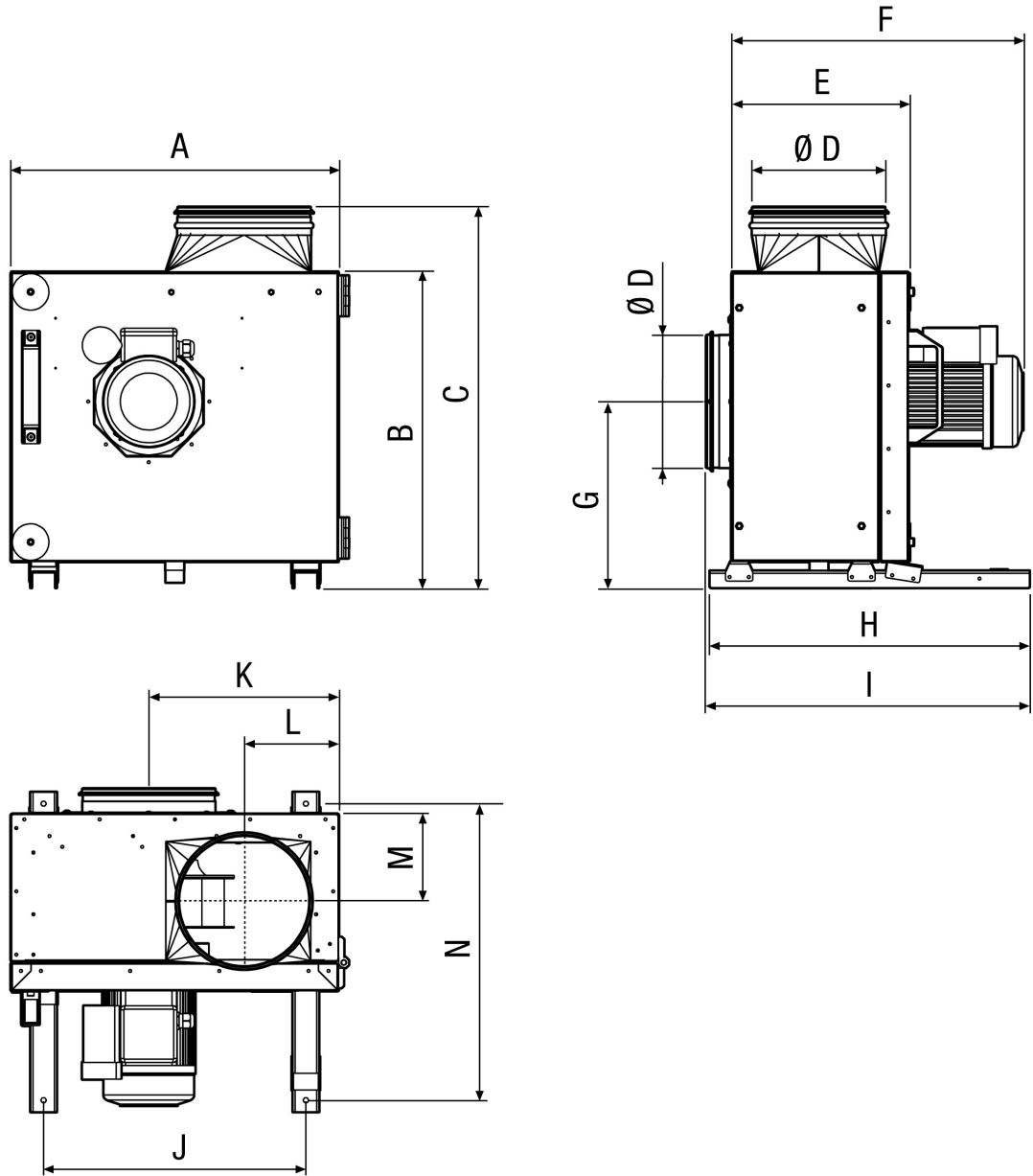
L<sub>WA2</sub>= housing sound power level in dB.  
 L<sub>WA5</sub>= free inlet sound power level in dB.  
 L<sub>WA6</sub>= free outlet sound power level in dB.

## Characteristic curve



# EKR 40-2

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