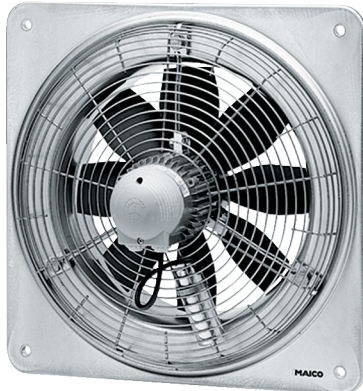


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Short description

Axial wall fan with square wall plate, DN 450, single-phase AC

Application examples

Production facility, Commercial premises, Garage, Building container, Storage facility

Article number 0083.0100

Technical data

Model	Square wall plate
Air flow volume	4.490 m ³ /h
Air volume _{nom}	2.945 m ³ /h (in opt. efficiency)
Pressure p _{fs, nom}	66 Pa (in opt. efficiency)
Rotating speed n _{nom}	955 1/min (in opt. efficiency)
Rotating speed	971 1/min
Impeller type	axial
Speed controllable	–
Reversing capacity	✓
Type of voltage	Alternating current
Rated voltage	230 V
Frequency	50 Hz
Nominal output	185 W (in opt. efficiency)
I _{nom}	1 A (in opt. efficiency)
I _{max}	1,3 A
Degree of protection	IP 55
Insulation class	B
Pole-changeable	–
Installation site	Wall / Ceiling
Type of installation	Surface-mounted
Installation position	horizontal / vertical
Material	Sheet steel, galvanised
Colour	Silver
Weight	15,55 kg
Weight including packaging	18,56 kg
Nominal size	450 mm
Width	630 mm
Height	630 mm
Depth	299 mm

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Width with packaging	670 mm
Height with packaging	670 mm
Depth with packaging	400 mm
Airstream temperature at I_{Max}	-20 °C up to 60 °C
Packing unit	1 piece
Range	C
GTIN (EAN)	4012799831006

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

Total efficiency η	29,2 %
Measurement category	A
Efficiency category	static
Efficiency level N	40,1
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.	0083.0100
P_{BEP} / Air volume $_{BEP}$ / $P_{fs, BEP}$	0,185 kW / 2.945 m ³ /h / 66 Pa
n_{BEP}	955 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	-
Sound power level $_{LWA7}$	72 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
$L_{WA7, S1}$ (dB(A))	31	45	37	42	45	42	30	15	50
$L_{WA7, S2}$ (dB(A))	30	56	55	54	60	59	51	38	65
$L_{WA7, S3}$ (dB(A))	34	54	54	64	66	65	58	47	70
$L_{WA7, S4}$ (dB(A))	34	56	55	65	66	66	59	48	71
$L_{WA7, S5}$ (dB(A))	34	63	56	66	66	66	59	48	72
$L_{WA8, S1}$ (dB(A))	31	45	38	43	45	42	31	16	50

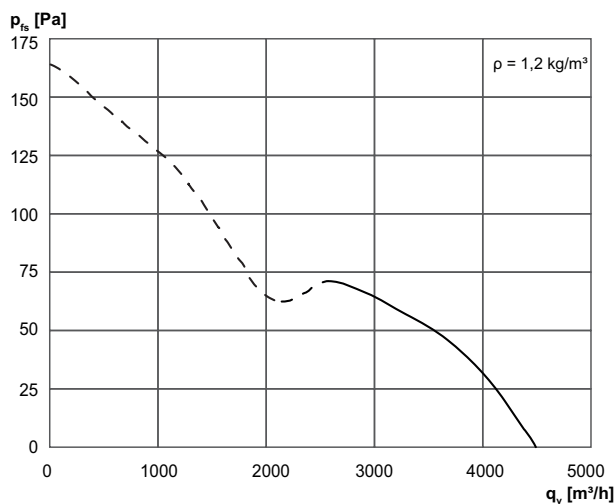
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	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	Total
L_{WA8, S2} (dB(A))	45	57	58	59	67	67	69	66	74
L_{WA8, S3} (dB(A))	51	58	59	66	70	71	72	69	77
L_{WA8, S4} (dB(A))	50	59	60	67	70	71	72	69	77
L_{WA8, S5} (dB(A))	51	64	60	68	70	71	72	69	77

L_{WA7}= housing and free inlet sound power level in dB.

L_{WA8}= housing and free outlet sound power level in dB.

Characteristic curve



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Dimensioned drawing [mm]

