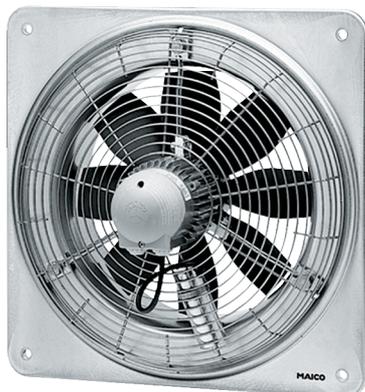


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Short description

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

Application examples

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

Article number 0083.0137

Technical data

Model	Square wall plate
Air flow volume	4.460 m ³ /h
Air volume _{nom}	3.160 m ³ /h (in opt. efficiency)
Pressure p _{fs, nom}	60 Pa (in opt. efficiency)
Rotating speed n _{nom}	990 1/min (in opt. efficiency)
Rotating speed	1.015 1/min
Impeller type	axial
Speed controllable	✓
Reversing capacity	✓
Type of voltage	Three-phase AC
Rated voltage	400 V
Frequency	50 Hz
Nominal output	165 W (in opt. efficiency)
I _{nom}	0,55 A (in opt. efficiency)
I _{max}	0,6 A
Degree of protection	IP 55
Insulation class	B
Pole-changeable	–
Mains cable	7 x 1,5 mm ²
Installation site	Wall / Ceiling
Type of installation	Surface-mounted
Installation position	horizontal / vertical
Material	Sheet steel, galvanised
Colour	Silver
Weight	20,48 kg
Weight including packaging	23,53 kg
Nominal size	450 mm
Width	630 mm
Height	630 mm

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Depth	299 mm
Width with packaging	665 mm
Height with packaging	665 mm
Depth with packaging	400 mm
Airstream temperature at nominal current	60 °C
Airstream temperature at I_{Max}	-20 °C up to 60 °C
Packing unit	1 piece
Range	C
GTIN (EAN)	4012799831372

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

Total efficiency η	31,9 %
Measurement category	A
Efficiency category	static
Efficiency level N	43,2
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.	0083.0137
P_{BEP} / Air volume $_{BEP}$ / $P_{fs, BEP}$	0,165 kW / 3.160 m ³ /h / 60 Pa
n_{BEP}	990 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 $_{L_{WA7}}$	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))	-	-	-	-	-	-	-	-	56
$L_{WA7, S2}$ (dB(A))	-	-	-	-	-	-	-	-	65
$L_{WA7, S3}$ (dB(A))	-	-	-	-	-	-	-	-	68
$L_{WA7, S4}$ (dB(A))	-	-	-	-	-	-	-	-	70
$L_{WA7, S5}$ (dB(A))	33	52	54	65	66	66	58	48	71

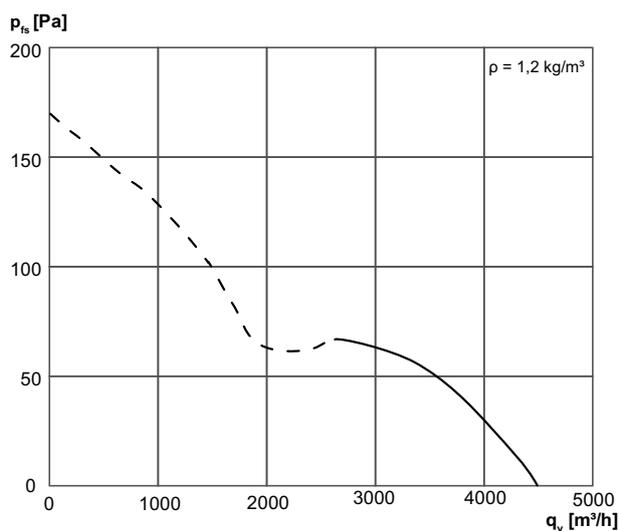
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	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	Total
$L_{WA8, S1}$ (dB(A))	-	-	-	-	-	-	-	-	63
$L_{WA8, S2}$ (dB(A))	-	-	-	-	-	-	-	-	75
$L_{WA8, S3}$ (dB(A))	-	-	-	-	-	-	-	-	76
$L_{WA8, S4}$ (dB(A))	-	-	-	-	-	-	-	-	77
$L_{WA8, S5}$ (dB(A))	50	58	60	67	71	71	72	69	78

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]

