PRODUCTDATA SHEET

EZR 45/4 B

Short description

Axial duct fan, DN 450, single-phase AC

Application examples

Machine extraction unit, Showroom, Foreman's office, Workshop, Production site

Article number	0086.0011

Technical data

Air flow volume	6.670 m³/h
Air volume$_{nom}$	4.850 m³/h (in opt. efficiency)
Pressure $p_{fs, nom}$	112 Pa (in opt. efficiency)
Rotating speed n_{nom}	1.340 1/min (in opt. efficiency)
Rotating speed	1.419 1/min
Impeller type	axial
Speed controllable	✓
Reversing capacity	✓
Type of voltage	Alternating current
Rated voltage	230 V
Frequency	50 Hz
Nominal output	445 W (in opt. efficiency)
I_{nom}	1,9 A (in opt. efficiency)
I_{max}	2,2 A
Degree of protection	IP 55
Insulation class	B
Pole-changeable	–
Installation position	horizontal / vertical
Material	Sheet steel, galvanised
Colour	Silver
Weight	14,81 kg
Weight including packaging	16,51 kg
Nominal size	450 mm
Width	510 mm
Height	571 mm
Depth	310 mm
Width with packaging	570 mm
Height with packaging	580 mm
Depth with packaging	311 mm

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Airstream temperature at nominal current	60 °C
Airstream temperature at I_{Max}	60 °C
Packing unit	1 piece
Range	C
GTIN (EAN)	4012799860112

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

Total efficiency η	49,7 %
Measurement category	D
Efficiency category	total
Efficiency level N	58,3
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.	0086.0011
P_{BEP} / Air volume$_{BEP}$ / $P_{fs, BEP}$	0,43 kW / 5.490 m³/h
n_{BEP}	1.370 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	-
$p_{f, BEP}$	140 Pa
Sound power levelL_{WA5}	85 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))	–	–	–	–	–	–	–	–	45
L_{WA2}, S2 (dB(A))	–	–	–	–	–	–	–	–	51
L_{WA2}, S3 (dB(A))	–	–	–	–	–	–	–	–	61
L_{WA2}, S4 (dB(A))	–	–	–	–	–	–	–	–	68
L_{WA2}, S5 (dB(A))	42	75	62	66	70	59	54	37	77
L_{WA5}, S1 (dB(A))	–	–	–	–	–	–	–	–	49
L_{WA5}, S2 (dB(A))	–	–	–	–	–	–	–	–	62

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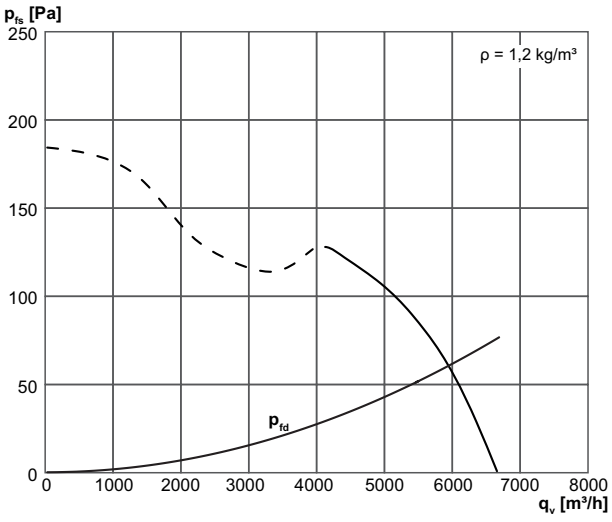
	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	Total
L_{WA5}, S3 (dB(A))	–	–	–	–	–	–	–	–	72
L_{WA5}, S4 (dB(A))	–	–	–	–	–	–	–	–	79
L_{WA5}, S5 (dB(A))	46	82	69	77	80	75	68	57	85
L_{WA6}, S1 (dB(A))	–	–	–	–	–	–	–	–	49
L_{WA6}, S2 (dB(A))	–	–	–	–	–	–	–	–	65
L_{WA6}, S3 (dB(A))	–	–	–	–	–	–	–	–	78
L_{WA6}, S4 (dB(A))	–	–	–	–	–	–	–	–	86
L_{WA6}, S5 (dB(A))	55	80	70	81	83	80	77	73	88

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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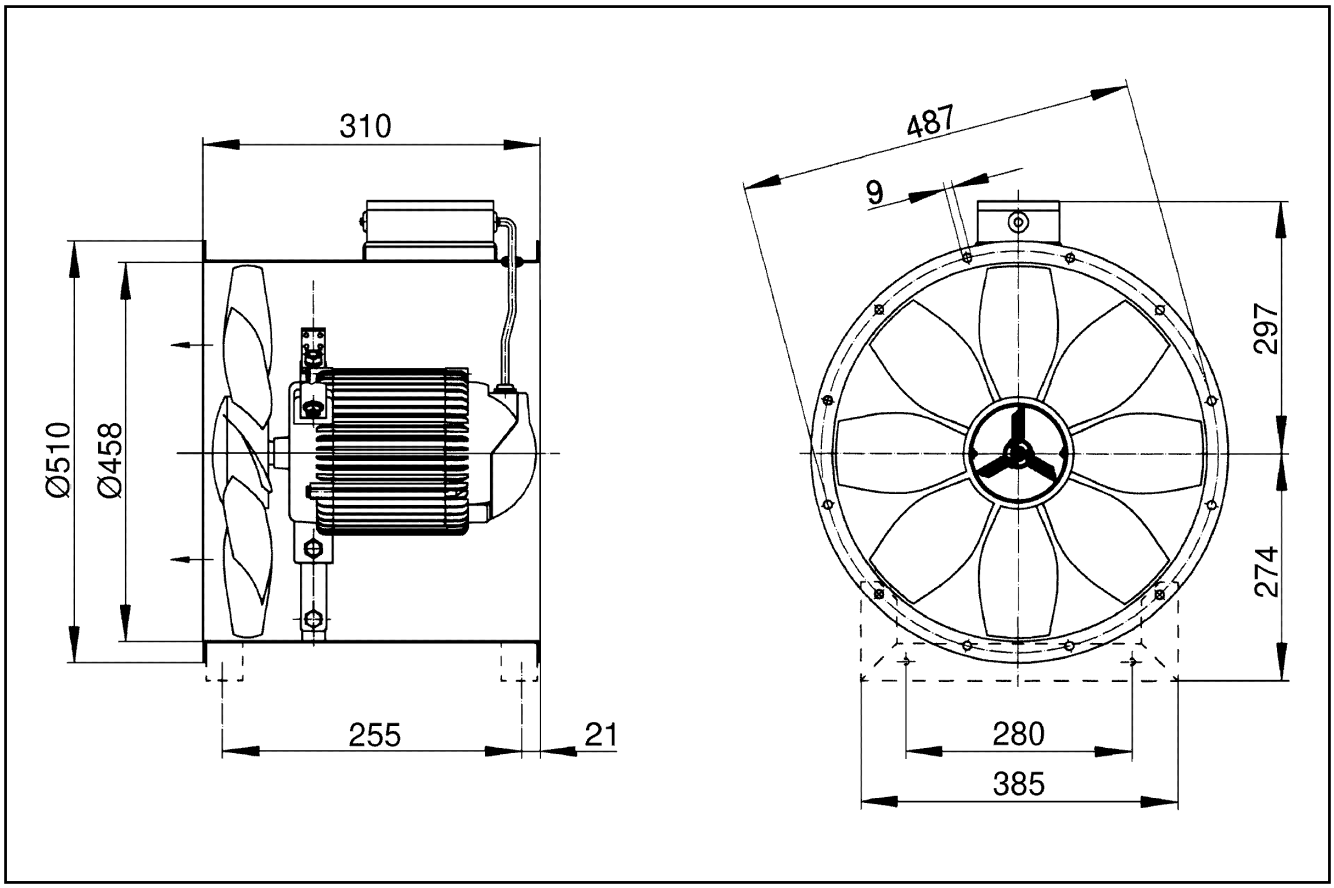
Dimensioned drawing [mm]



Number of flange holes: 12