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Short description

Axial fan, DN 800, 3-phase current

Application examples

Production facility, Assembly hall, Storage facility, Industrial building, Workplace

Article number	0083.0854

Technical data

Model	Steel ring
Air flow volume	13.500 m³/h
Air volume$_{nom}$	9.800 m³/h (in opt. efficiency)
Pressure $p_{fs, nom}$	111 Pa (in opt. efficiency)
Rotating speed n_{nom}	730 1/min (in opt. efficiency)
Rotating speed	710 1/min
Impeller type	axial
Speed controllable	✓
Reversing capacity	–
Type of voltage	Three-phase AC
Rated voltage	400 V
Frequency	50 Hz
Nominal output	666 W (in opt. efficiency)
I_{nom}	2 A (in opt. efficiency)
I_{max}	2,6 A
Degree of protection	IP 55
Insulation class	F
Installation site	Wall
Installation position	vertical
Material	Sheet steel, varnished
Housing material	Sheet steel, varnished
Colour	grey
Weight	79 kg
Weight including packaging	106,5 kg
Nominal size	800 mm
Width	1.030 mm
Height	1.030 mm
Depth	465 mm
Width with packaging	1.200 mm

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Height with packaging	1.200 mm
Depth with packaging	790 mm
Airstream temperature at nominal current	50 °C
Airstream temperature at I_{Max}	-20 °C up to 50 °C
Packing unit	1 piece
Range	C
GTIN (EAN)	4012799838548

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

Total efficiency η	45,2 %
Measurement category	C
Efficiency category	static
Efficiency level N	53
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.	0083.0854
P_{BEP} / Air volume$_{BEP}$ / $P_{fs, BEP}$	0,666 kW / 9.800 m³/h / 111 Pa
n_{BEP}	730 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}	2 A
Sound power levelL_{WA7}	76 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}, S5 (dB(A))	52	56	66	70	71	69	66	61	76

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

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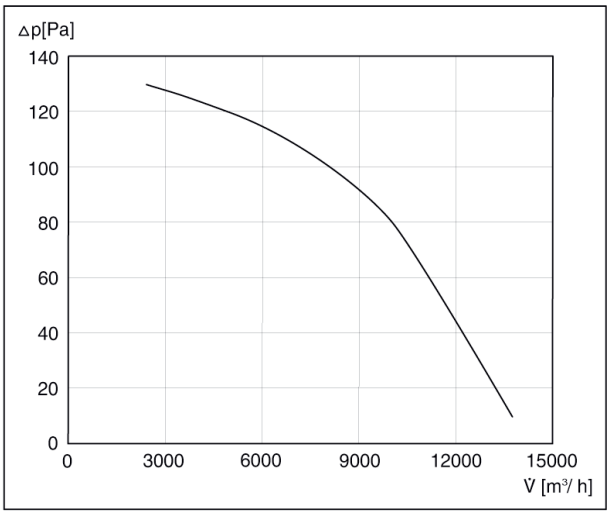
Characteristic curve



Dimensioned drawing [mm]

Number of holes: 16