EZS 50/6 B

Short description

Axial wall fan with steel wall ring, DN 500, single-phase AC

Application examples

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

Article number	0094.0011

Technical data

Model	Steel wall ring
Air flow volume	5.860 m³/h
Air volume$_{nom}$	4.240 m³/h (in opt. efficiency)
Pressure $p_{fs, nom}$	62 Pa (in opt. efficiency)
Rotating speed n_{nom}	955 1/min (in opt. efficiency)
Rotating speed	972 1/min
Impeller type	axial
Speed controllable	✓
Reversing capacity	✓
Type of voltage	Alternating current
Rated voltage	230 V
Frequency	50 Hz
Nominal output	240 W (in opt. efficiency)
I_{nom}	1,1 A (in opt. efficiency)
I_{max}	1,6 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	14,16 kg
Weight including packaging	17,78 kg
Nominal size	500 mm
Width	700 mm
Height	700 mm
Depth	330 mm

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Width with packaging	730 mm
Height with packaging	730 mm
Depth with packaging	400 mm
Airstream temperature at nominal current	-20 °C up to 50 °C
Airstream temperature at I_{Max}	-20 °C up to 50 °C
Packing unit	1 piece
Range	C
GTIN (EAN)	4012799940111

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

Total efficiency η	30,4 %
Measurement category	A
Efficiency category	static
Efficiency level N	40,7
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.	0094.0011
P_{BEP} / Air $volume_{BEP}$ / $P_{fs, BEP}$	0,24 kW / 4.240 m³/h / 62 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 levelL_{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))	26	37	35	39	43	38	25	14	46
L_{WA7}, S2 (dB(A))	38	43	45	51	56	54	45	32	59
L_{WA7}, S3 (dB(A))	34	54	56	60	66	66	59	49	70
L_{WA7}, S4 (dB(A))	34	53	57	62	67	68	61	51	72
L_{WA7}, S5 (dB(A))	35	55	58	63	68	68	62	52	72
L_{WA8}, S1 (dB(A))	29	35	37	48	42	37	25	14	50

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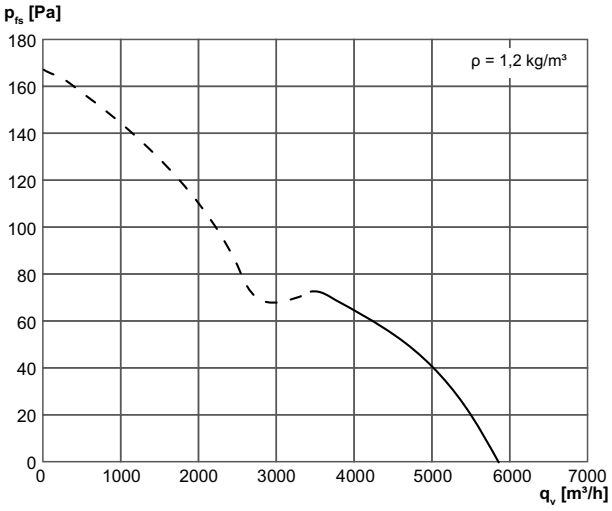
	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	Total
L_{WA8}, S2 (dB(A))	41	45	48	52	64	64	66	64	71
L_{WA8}, S3 (dB(A))	51	58	60	63	70	71	72	69	77
L_{WA8}, S4 (dB(A))	50	58	60	64	70	71	72	69	77
L_{WA8}, S5 (dB(A))	51	60	61	65	71	72	73	70	78

L_{WA7}= housing and free inlet sound power level in dB.
L_{WA8}= housing and free outlet sound power level in dB.

Characteristic curve



Dimensioned drawing [mm]

① Steel wall plate = EZQ/DZQ model
② Steel wall ring = EZS/DZS model