DZS 40/84 B

Short description

Axial wall fan with steel wall ring, DN 400, three-phase AC, pole-changeable

Application examples

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

Article number	0094.0049

Technical data

Model	Steel wall ring
Air flow volume	2.170 m³/h / 4.420 m³/h
Air volume$_{nom}$	1.490 m³/h / 3.040 m³/h (in opt. efficiency)
Pressure $p_{fs, nom}$	23 Pa - 96 Pa (in opt. efficiency)
Rotating speed n_{nom}	720 1/min - 1.430 1/min (in opt. efficiency)
Rotating speed	731 1/min / 1.455 1/min
Impeller type	axial
Speed controllable	✓
Reversing capacity	✓
Type of voltage	Three-phase AC
Rated voltage	400 V
Frequency	50 Hz
Nominal output	45 W / 250 W (in opt. efficiency)
I_{nom}	0,2 A / 0,55 A (in opt. efficiency)
I_{max}	0,8 A
Degree of protection	IP 55
Insulation class	B
Pole-changeable	✓
Number of poles at high speed	4
Number of poles at low speed	8
Mains cable	5 x 1,5 mm²
Installation site	Wall / Ceiling
Type of installation	Surface-mounted
Installation position	horizontal / vertical
Material	Sheet steel, galvanised
Colour	Silver
Weight	15 kg
Weight including packaging	17,2 kg
Nominal size	400 mm

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Width	580 mm
Height	580 mm
Depth	301 mm
Width with packaging	730 mm
Height with packaging	730 mm
Depth with packaging	430 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)	4012799940494

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

Total efficiency η	32,6 %
Measurement category	A
Efficiency category	static
Efficiency level N	42,7
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.	0094.0049
P_{BEP} / Air volume$_{BEP}$ / $P_{fs, BEP}$	0,25 kW / 3.040 m³/h / 96 Pa
n_{BEP}	1.430 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}	59 dB(A) / 75 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}, low (dB(A))	25	42	44	50	55	54	47	33	59
L_{WA7}, high (dB(A))	34	49	61	65	69	71	67	57	75
L_{WA8}, low (dB(A))	34	44	44	49	62	62	64	62	69
L_{WA8}, high (dB(A))	51	59	66	66	72	73	73	70	79

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

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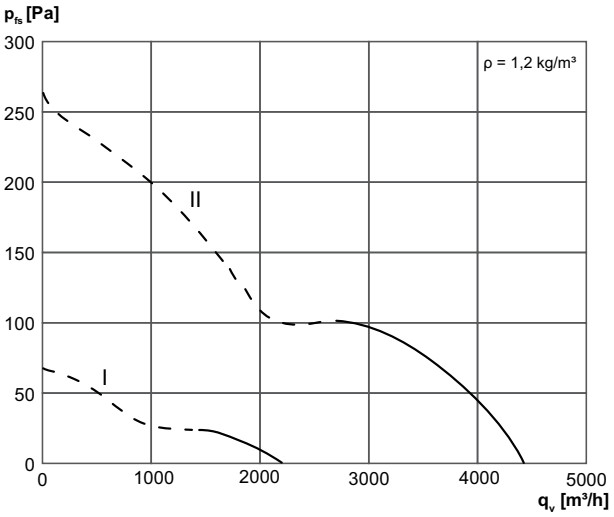
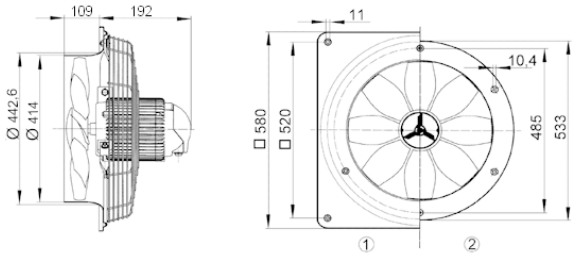
L_{WA8}= housing and free outlet sound power level in dB.

Characteristic curve



Dimensioned drawing [mm]



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