PRODUCTDATA SHEET

DZS 25/42 B

Short description

Axial wall fan with steel wall ring, DN 250, three-phase AC, pole-changeable

Application examples

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

Article number	0094.0041

Technical data

Model	Steel wall ring
Air flow volume	1.050 m³/h / 2.190 m³/h
Air volume$_{nom}$	745 m³/h / 1.550 m³/h (in opt. efficiency)
Pressure $p_{fs, nom}$	35 Pa - 140 Pa (in opt. efficiency)
Rotating speed n_{nom}	1.430 1/min - 2.810 1/min (in opt. efficiency)
Rotating speed	1.450 1/min / 2.860 1/min
Impeller type	axial
Speed controllable	✓
Reversing capacity	✓
Type of voltage	Three-phase AC
Rated voltage	400 V
Frequency	50 Hz
Nominal output	38 W / 203 W (in opt. efficiency)
I_{nom}	0,1 A / 0,35 A (in opt. efficiency)
I_{max}	0,5 A
Degree of protection	IP 55
Insulation class	B
Pole-changeable	✓
Number of poles at high speed	2
Number of poles at low speed	4
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	7,12 kg
Weight including packaging	8,1 kg
Nominal size	250 mm

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Width	400 mm
Height	400 mm
Depth	261 mm
Width with packaging	420 mm
Height with packaging	420 mm
Depth with packaging	290 mm
Airstream temperature at nominal current	-20 °C up to 60 °C
Airstream temperature at I_{Max}	-20 °C up to 60 °C
Packing unit	1 piece
Range	C
GTIN (EAN)	4012799940418

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

Total efficiency η	29,7 %
Measurement category	A
Efficiency category	static
Efficiency level N	40,4
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.	0094.0041
P_{BEP} / Air volume$_{BEP}$ / $P_{fs, BEP}$	0,203 kW / 1.550 m³/h / 140 Pa
n_{BEP}	2.810 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}	63 dB(A) / 80 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))	24	34	49	57	56	57	54	42	63
L_{WA7}, high (dB(A))	41	47	56	71	74	76	72	64	80
L_{WA8}, low (dB(A))	37	39	53	57	63	63	65	63	70
L_{WA8}, high (dB(A))	54	61	64	75	76	77	76	72	83

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

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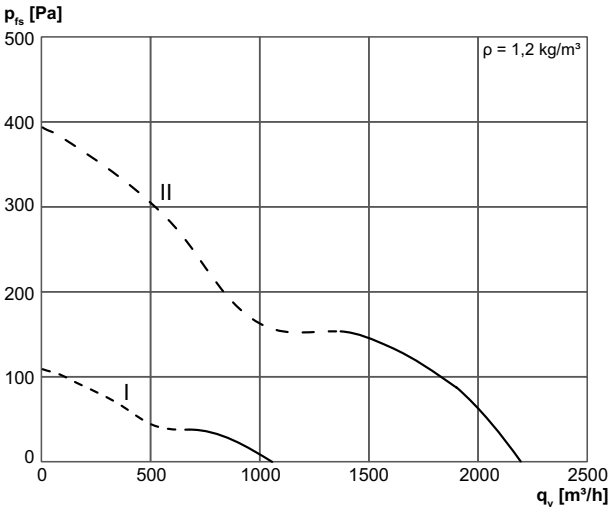
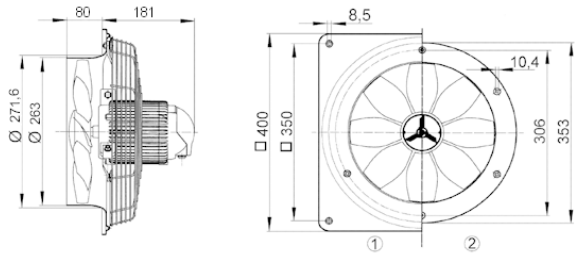
L_{WA8}= housing and free outlet sound power level in dB.

Characteristic curve



Dimensioned drawing [mm]



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