

# DZS 35/42 B



## Short description

Axial wall fan with steel wall ring, DN 350, three-phase AC, pole-changeable

## Application examples

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

Article number 0094.0065

## Technical data

Model	Steel wall ring
Air flow volume	2.950 m <sup>3</sup> /h / 5.840 m <sup>3</sup> /h
Air volume <sub>nom</sub>	1.990 m <sup>3</sup> /h / 4.250 m <sup>3</sup> /h (in opt. efficiency)
Pressure p <sub>fs, nom</sub>	75 Pa - 255 Pa (in opt. efficiency)
Rotating speed n <sub>nom</sub>	1.460 1/min - 2.830 1/min (in opt. efficiency)
Rotating speed	1.480 1/min / 2.927 1/min
Impeller type	axial
Speed controllable	✓
Reversing capacity	✓
Type of voltage	Three-phase AC
Rated voltage	400 V
Frequency	50 Hz
Nominal output	135 W / 810 W (in opt. efficiency)
I <sub>nom</sub>	0,4 A / 1,4 A (in opt. efficiency)
I <sub>max</sub>	2 A
Degree of protection	IP 55
Insulation class	F
Pole-changeable	✓
Number of poles at high speed	2
Number of poles at low speed	4
Mains cable	5 x 1,5 mm <sup>2</sup>
Installation site	Wall / Ceiling
Type of installation	Surface-mounted
Installation position	horizontal / vertical
Material	Sheet steel, galvanised
Colour	Silver
Weight	10,45 kg
Weight including packaging	13,07 kg
Nominal size	350 mm

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Width	525 mm
Height	525 mm
Depth	287 mm
Width with packaging	610 mm
Height with packaging	610 mm
Depth with packaging	400 mm
Airstream temperature at nominal current	-20 °C up to 60 °C
Airstream temperature at I <sub>Max</sub>	-20 °C up to 60 °C
Packing unit	1 piece
Range	C
GTIN (EAN)	4012799940654

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

Total efficiency $\eta$	37,2 %
Measurement category	A
Efficiency category	static
Efficiency level N	44,1
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.	0094.0065
P <sub>BEP</sub> / Air volume <sub>BEP</sub> / P <sub>fs, BEP</sub>	0,81 kW / 4.250 m <sup>3</sup> /h / 255 Pa
$\eta_{BEP}$	2.830 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 level L <sub>WA7</sub>	73 dB(A) / 90 dB(A)

## Sound power level in octave range

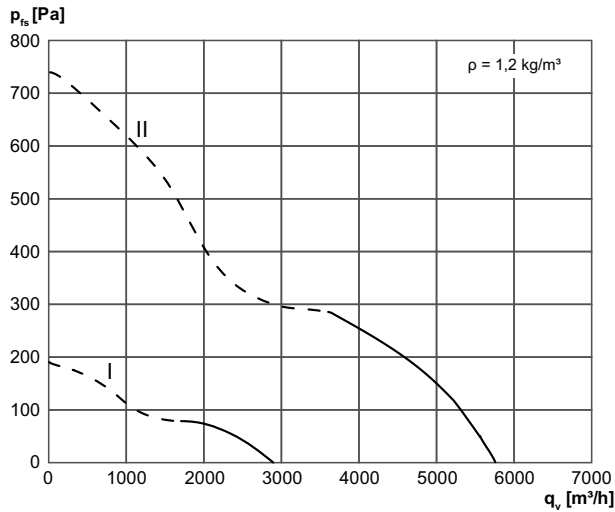
	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	Total
<b>L<sub>WA7, low</sub> (dB(A))</b>	32	45	66	69	69	68	64	53	75
<b>L<sub>WA7, high</sub> (dB(A))</b>	45	56	67	89	86	86	81	74	92
<b>L<sub>WA8, low</sub> (dB(A))</b>	52	58	67	67	72	72	73	70	78
<b>L<sub>WA8, high</sub> (dB(A))</b>	65	74	77	89	87	88	86	82	94

L<sub>WA7</sub>= 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

