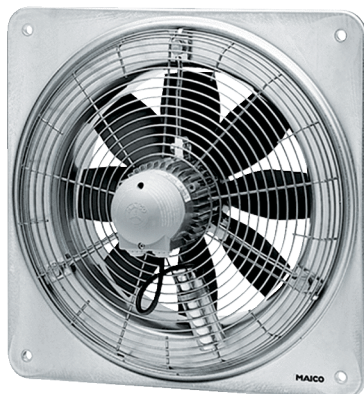


# DZQ 30/42 B



## Short description

Axial wall fan with square wall plate, DN 300, three-phase AC, pole-changeable

## Application examples

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

Article number 0083.0147

## Technical data

Model	Square wall plate
Air flow volume	1.870 m <sup>3</sup> /h / 3.680 m <sup>3</sup> /h
Air volume <sub>nom</sub>	1.260 m <sup>3</sup> /h / 2.700 m <sup>3</sup> /h (in opt. efficiency)
Pressure p <sub>fs, nom</sub>	53 Pa - 185 Pa (in opt. efficiency)
Rotating speed n <sub>nom</sub>	1.460 1/min - 2.850 1/min (in opt. efficiency)
Rotating speed	1.467 1/min / 2.897 1/min
Impeller type	axial
Speed controllable	✓
Reversing capacity	✓
Type of voltage	Three-phase AC
Rated voltage	400 V
Frequency	50 Hz
Nominal output	70 W / 415 W (in opt. efficiency)
I <sub>nom</sub>	0,3 A / 1 A (in opt. efficiency)
I <sub>max</sub>	1,3 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 mm <sup>2</sup>
Installation site	Wall / Ceiling
Type of installation	Surface-mounted
Installation position	horizontal / vertical
Material	Sheet steel, galvanised
Colour	Silver
Weight	11,34 kg
Weight including packaging	12,84 kg
Nominal size	300 mm

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Width	465 mm
Height	465 mm
Depth	270 mm
Width with packaging	480 mm
Height with packaging	480 mm
Depth with packaging	325 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)	4012799831471

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

Total efficiency $\eta$	33,4 %
Measurement category	A
Efficiency category	static
Efficiency level N	42,2
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.	0083.0147
$P_{BEP}$ / Air volume $_{BEP}$ / $P_{fs, BEP}$	0,415 kW / 2.700 m <sup>3</sup> /h / 185 Pa
$n_{BEP}$	2.850 1/min
Specific ratio	$\approx 1$
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 $_{L_{WA7}}$	69 dB(A) / 88 dB(A)

## Sound power level in octave range

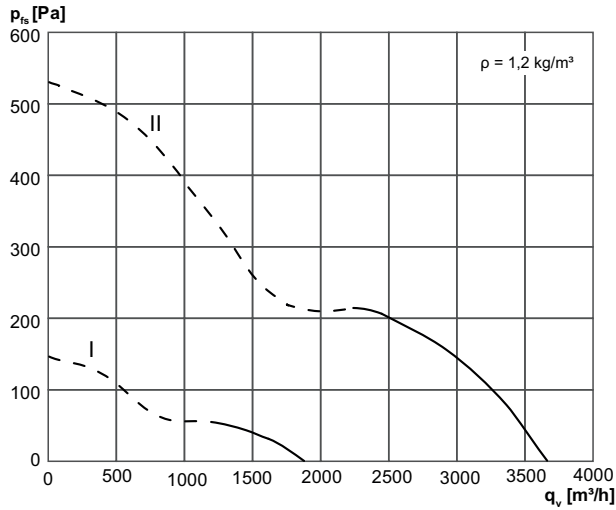
	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	Total
$L_{WA7, low}$ (dB(A))	29	42	62	62	63	64	60	49	69
$L_{WA7, high}$ (dB(A))	41	51	69	80	83	82	77	70	88
$L_{WA8, low}$ (dB(A))	48	52	60	62	69	70	71	68	76
$L_{WA8, high}$ (dB(A))	63	69	72	82	83	84	83	80	90

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

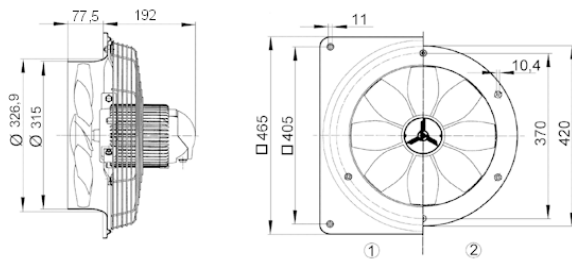
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$L_{WA8}$  = housing and free outlet sound power level in dB.

## Characteristic curve



## Dimensioned drawing [mm]



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

The air flow direction is marked.

Standard exhaust air mode, air flow direction with air drawn across motor.