

# DAS 90/8



## Short description

Axial fan, DN 900, 3-phase current

## Application examples

Production facility, Assembly hall, Storage facility, Industrial building, Workplace

Article number 0083.0857

## Technical data

Model	Steel ring
Air flow volume	22.000 m <sup>3</sup> /h
Air volume <sub>nom</sub>	11.150 m <sup>3</sup> /h (in opt. efficiency)
Pressure p <sub>fs, nom</sub>	148 Pa (in opt. efficiency)
Rotating speed n <sub>nom</sub>	740 1/min (in opt. efficiency)
Rotating speed	730 1/min
Impeller type	axial
Speed controllable	✓
Reversing capacity	–
Type of voltage	Three-phase AC
Rated voltage	400 V
Frequency	50 Hz
Nominal output	913 W (in opt. efficiency)
I <sub>nom</sub>	3,1 A (in opt. efficiency)
I <sub>max</sub>	4 A
Degree of protection	IP 55
Insulation class	F
Installation site	Wall
Installation position	vertical
Material	Sheet steel, varnished
Housing material	Sheet steel, varnished
Colour	grey
Weight	126 kg
Weight including packaging	153 kg
Nominal size	900 mm
Width	1.130 mm
Height	1.130 mm
Depth	550 mm
Width with packaging	1.300 mm

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Height with packaging	1.300 mm
Depth with packaging	940 mm
Airstream temperature at nominal current	50 °C
Airstream temperature at $I_{Max}$	-20 °C up to 50 °C
Packing unit	1 piece
Range	C
GTIN (EAN)	4012799838579

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

Total efficiency $\eta$	50,1 %
Measurement category	C
Efficiency category	static
Efficiency level N	57
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.	0083.0857
$P_{BEP}$ / Air volume $_{BEP}$ / $P_{fs, BEP}$	0,913 kW / 11.150 m <sup>3</sup> /h / 148 Pa
$n_{BEP}$	740 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	-
$I_{BEP}$	3,1 A
Sound power level $_{L_{WA7}}$	84 dB(A)

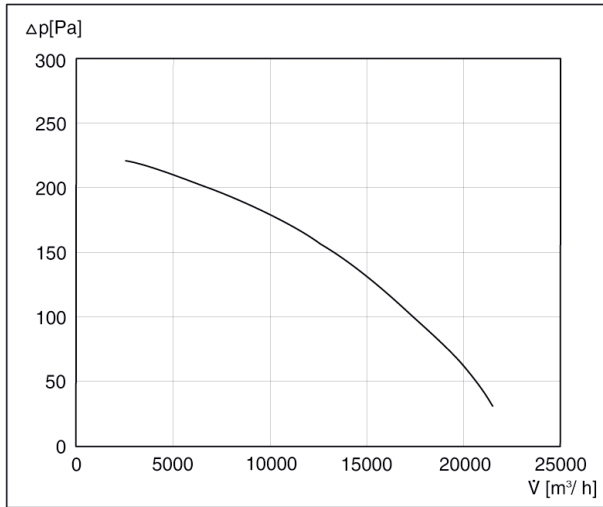
## Sound power level in octave range

	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	Total
<b><math>L_{WA7, S5}</math> (dB(A))</b>	54	72	74	79	80	78	75	70	84

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

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## Characteristic curve



## Dimensioned drawing [mm]

Number of holes: 16

