

DAS 90/4



Short description

Axial fan, DN 900, 3-phase current

Application examples

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

Article number 0083.0859

Technical data

Model	Steel ring
Air flow volume	45.000 m ³ /h
Air volume _{nom}	22.300 m ³ /h (in opt. efficiency)
Pressure p _{fs, nom}	591 Pa (in opt. efficiency)
Rotating speed n _{nom}	1.480 1/min (in opt. efficiency)
Rotating speed	1.470 1/min
Impeller type	axial
Speed controllable	✓
Reversing capacity	–
Type of voltage	Three-phase AC
Rated voltage	400 V
Frequency	50 Hz
Nominal output	5.945 W (in opt. efficiency)
I _{nom}	11,8 A (in opt. efficiency)
I _{max}	15,4 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	100 kg
Weight including packaging	162 kg
Nominal size	900 mm
Width	1.130 mm
Height	1.130 mm
Depth	655 mm
Width with packaging	1.300 mm

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Height with packaging	1.300 mm
Depth with packaging	930 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)	4012799838593

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

Total efficiency η	62 %
Measurement category	C
Efficiency category	static
Efficiency level N	63
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.	0083.0859
P_{BEP} / Air volume $_{BEP}$ / $P_{fs, BEP}$	5,945 kW / 22.300 m ³ /h / 591 Pa
n_{BEP}	1.480 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	-
I_{BEP}	11,8 A
Sound power level $_{L_{WA7}}$	98 dB(A)

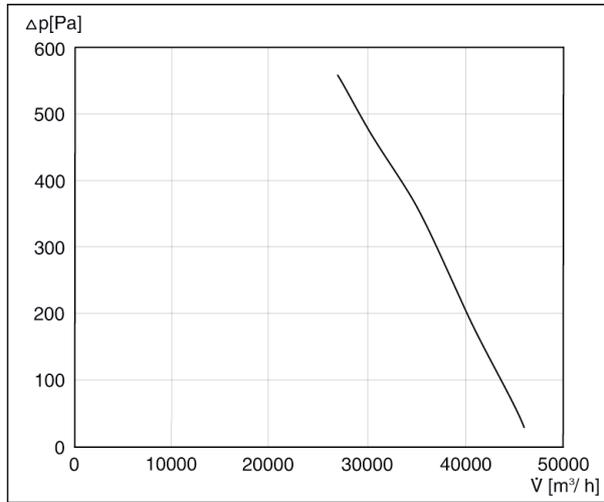
Sound power level in octave range

	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	Total
$L_{WA7, S5}$ (dB(A))	66	77	94	91	92	90	87	82	98

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

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Characteristic curve



Dimensioned drawing [mm]

Number of holes: 16

