

# DAR 100/4 7,5-1



## Short description

Axial duct fan, DN 1000, three-phase AC, nominal power 7.5 kW, air volume 59648 m<sup>3</sup>/h

## Application examples

Production facility, Workplace, Commercial premises, Industrial building

Article number 0073.0167

## Technical data

Air flow volume	59.648 m <sup>3</sup> /h
Rotating speed	1.440 1/min
Impeller type	axial
Speed controllable	✓
Reversing capacity	–
Type of voltage	Three-phase AC
Rated voltage	400 V
Frequency	50 Hz
Nominal output	7.500 W
I <sub>nom</sub>	14,38 A
Degree of protection	IP 55
Insulation class	F
Pole-changeable	–
Installation site	Duct
Installation position	Horizontal
Housing material	Sheet steel with epoxy coating
Impeller material	Polyamide
Colour	grey
Weight	167 kg
Weight including packaging	183 kg
Nominal size	1.000 mm
Width	1.130 mm
Height	750 mm
Depth	1.130 mm
Width with packaging	1.140 mm
Height with packaging	900 mm
Depth with packaging	1.140 mm
Airstream temperature at I <sub>Max</sub>	-10 °C up to 50 °C
PTC DIN 44082	M 100

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Packing unit	1 piece
Range	C
GTIN (EAN)	4012799731672

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

Total efficiency $\eta$	40,7 %
Measurement category	C
Efficiency category	static
Efficiency level N	41,2
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.	0073.0167
$P_{BEP}$ / Air volume $_{BEP}$ / $P_{fs, BEP}$	8,414 kW / 38.614 m <sup>3</sup> /h / 319 Pa
$n_{BEP}$	1.430 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	-
$I_{BEP}$	14,38 A
Sound power level $_{L_{WA7}}$	96 dB(A)

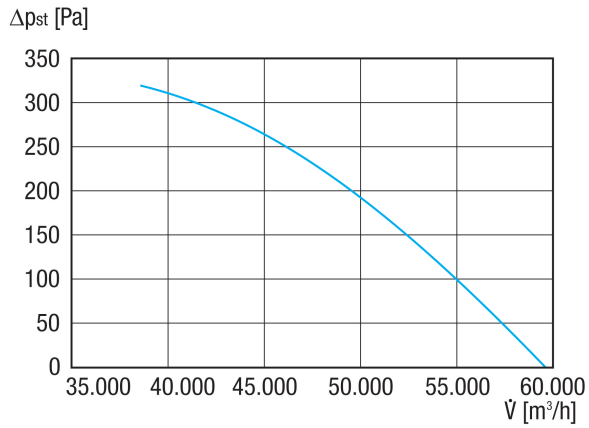
## Sound power level in octave range

	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	Total
<b><math>L_{WA5, S5}</math> (dB(A))</b>	71	78	84	88	90	90	90	83	96

$L_{WA5}$ = free inlet sound power level in dB.

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## Characteristic curve



## Dimensioned drawing [mm]

