

DAS 80/4



Short description

Axial fan, DN 800, 3-phase current

Application examples

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

Article number 0083.0856

Technical data

Model	Steel ring
Air flow volume	28.000 m ³ /h
Air volume _{nom}	19.600 m ³ /h (in opt. efficiency)
Pressure p _{fs, nom}	443 Pa (in opt. efficiency)
Rotating speed n _{nom}	1.470 1/min (in opt. efficiency)
Rotating speed	1.435 1/min
Impeller type	axial
Speed controllable	✓
Reversing capacity	–
Type of voltage	Three-phase AC
Rated voltage	400 V
Frequency	50 Hz
Nominal output	4.001 W (in opt. efficiency)
I _{nom}	7,3 A (in opt. efficiency)
I _{max}	9,4 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	64 kg
Weight including packaging	120 kg
Nominal size	800 mm
Width	1.030 mm
Height	1.030 mm
Depth	510 mm
Width with packaging	1.200 mm

DAS 80/4

Height with packaging	1.200 mm
Depth with packaging	790 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)	4012799838562

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

Total efficiency η	60,2 %
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.	0083.0856
P_{BEP} / Air volume $_{BEP}$ / $P_{fs, BEP}$	4,001 kW / 19.600 m ³ /h / 443 Pa
n_{BEP}	1.470 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}	7,3 A
Sound power level $_{L_{WA7}}$	94 dB(A)

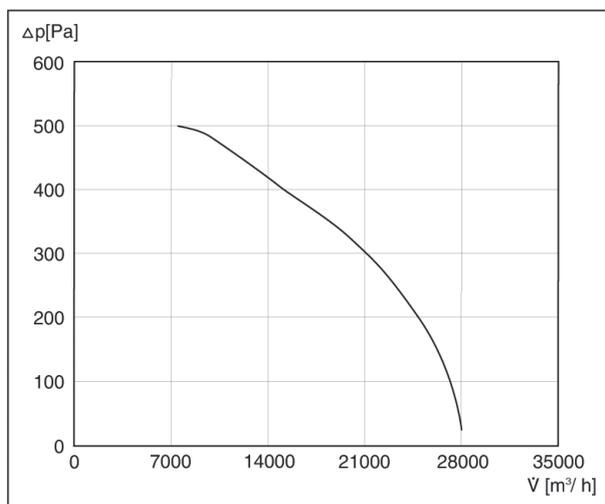
Sound power level in octave range

	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	Total
$L_{WA7, S5}$ (dB(A))	62	73	90	87	88	86	83	78	94

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

DAS 80/4

Characteristic curve



Dimensioned drawing [mm]

Number of holes: 16

