

DZR 35/42 B



Short description

Axial duct fan, DN 350, three-phase AC, pole-changeable

Application examples

Machine extraction unit, Showroom, Foreman's office, Workshop, Production site

Article number 0086.0065

Technical data

Air flow volume	3.050 m ³ /h / 5.960 m ³ /h
Air volume _{nom}	2.180 m ³ /h / 4.370 m ³ /h (in opt. efficiency)
Pressure p _{fs, nom}	67 Pa - 240 Pa (in opt. efficiency)
Rotating speed n _{nom}	1.440 1/min - 2.860 1/min (in opt. efficiency)
Rotating speed	1.452 1/min / 2.909 1/min
Impeller type	axial
Speed controllable	✓
Reversing capacity	✓
Type of voltage	Three-phase AC
Rated voltage	400 V
Frequency	50 Hz
Nominal output	140 W / 2.860 W (in opt. efficiency)
I _{nom}	0,4 A / 1,3 A (in opt. efficiency)
I _{max}	1,8 A
Degree of protection	IP 55
Insulation class	F
Pole-changeable	✓
Number of poles at high speed	2
Number of poles at low speed	4
Mains cable	5 x 1,5 mm ²
Installation position	horizontal / vertical
Material	Sheet steel, galvanised
Colour	Silver
Weight	12,54 kg
Weight including packaging	14,22 kg
Nominal size	350 mm
Width	420 mm
Height	474 mm
Depth	320 mm

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Width with packaging	475 mm
Height with packaging	495 mm
Depth with packaging	355 mm
Airstream temperature at nominal current	60 °C
Airstream temperature at I_{Max}	60 °C
Packing unit	1 piece
Range	C
GTIN (EAN)	4012799860655

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

Total efficiency η	54,5 %
Measurement category	D
Efficiency category	total
Efficiency level N	61,8
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.	0086.0065
P_{BEP} / Air volume $_{BEP}$ / $P_{fs, BEP}$	0,71 kW / 5.260 m ³ /h
n_{BEP}	2.875 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	-
$P_{f, BEP}$	265 Pa
Sound power level $_{L_{WA5}}$	71 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
$L_{WA2, low}$ (dB(A))	28	43	54	59	58	53	52	40	63
$L_{WA2, high}$ (dB(A))	42	56	60	71	80	71	69	57	82
$L_{WA5, low}$ (dB(A))	30	45	63	71	67	66	61	50	74
$L_{WA5, high}$ (dB(A))	41	55	72	81	89	87	79	72	92
$L_{WA8, low}$ (dB(A))	51	56	64	76	75	75	74	71	82

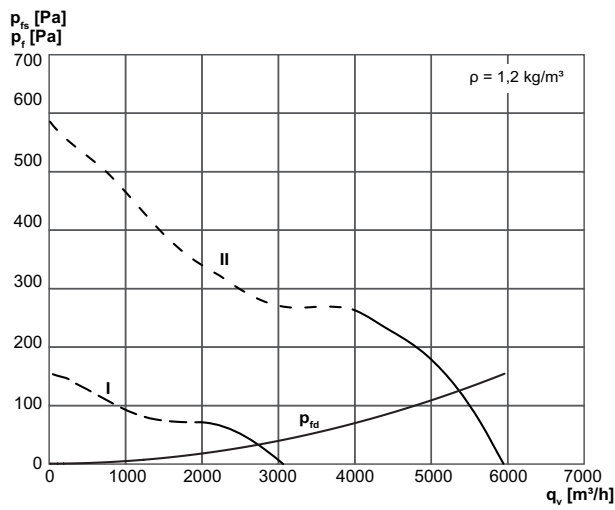


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	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	Total
$L_{WA8, \text{ high}}$ (dB(A))	65	67	77	89	97	92	88	84	99

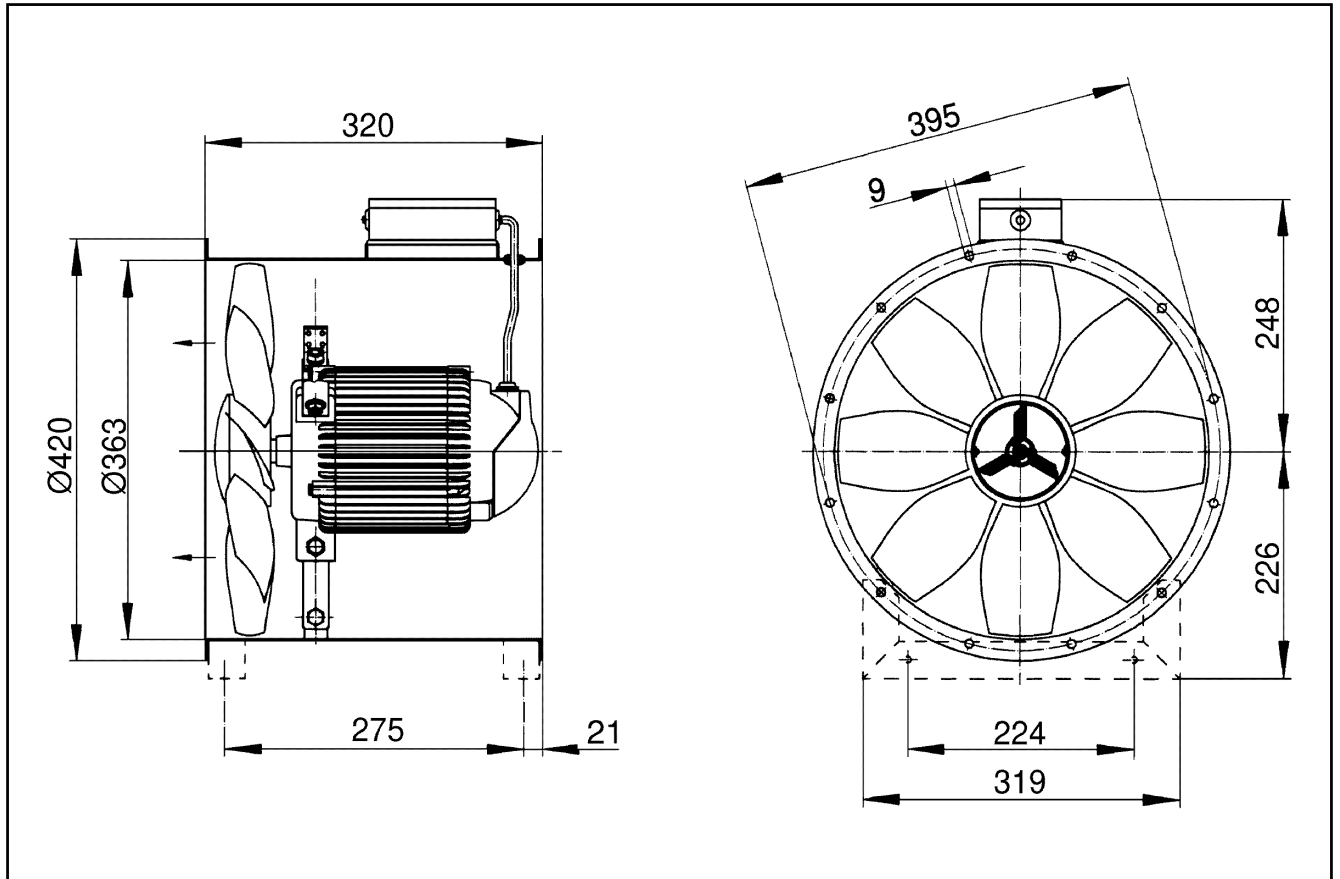
L_{WA2} = housing sound power level in dB.
 L_{WA5} = free inlet sound power level in dB.
 L_{WA8} = housing and free outlet sound power level in dB.

Characteristic curve



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Dimensioned drawing [mm]



Number of flange holes: 8