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Short description

Diagonal fan for duct installation, DN 500

Application examples

Machine extraction unit, Workplace air extraction system, Production site, Storage facility, Laboratory

Article number 0080.0662

Technical data

Air flow volume	6.720 m ³ /h
Air volume e_{nom}	4.736 m ³ /h (in opt. efficiency)
Pressure $p_{fs, nom}$	302 Pa (in opt. efficiency)
Rotating speed n_{nom}	1.352 1/min (in opt. efficiency)
Rotating speed	1.380 1/min
Impeller type	diagonal
Speed controllable	✓
Type of voltage	Alternating current
Rated voltage	230 V
Frequency	50 Hz
Nominal output	640 W (in opt. efficiency)
I_{nom}	3,3 A (in opt. efficiency)
I_{max}	3,7 A
Degree of protection	IP X4
Insulation class	F
Mains cable	3 x 1,5 mm ²
Installation position	vertical / horizontal
Housing material	Sheet steel, galvanised
Colour	Silver grey
Weight	22,8 kg
Weight including packaging	24,3 kg
Nominal size	500 mm
Width	512 mm
Height	503 mm
Depth	515 mm
Width with packaging	550 mm
Height with packaging	550 mm
Depth with packaging	525 mm
Airstream temperature at I_{Max}	80 °C

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Ambient temperature	80 °C
Packing unit	1 piece
Range	C
GTIN (EAN)	4012799806622

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

Total efficiency η	48,7 %
Measurement category	A
Efficiency category	static
Efficiency level N	60,5
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.	0080.0662
P_{BEP} / Air volume $_{BEP}$ / $P_{fs, BEP}$	0,747 kW / 4.736 m ³ /h / 302 Pa
n_{BEP}	1.352 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}	3,3 A
Sound power level $_{LWA5}$	75 dB(A)

Sound power level in octave range

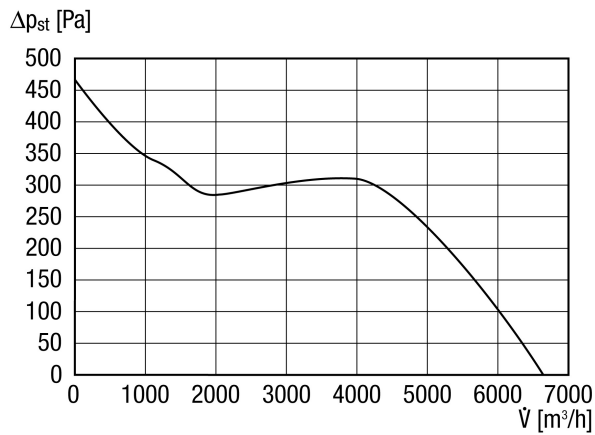
	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	Total
L_{WA5}, Level 2 (dB(A))	-	66	73	73	73	71	65	55	79
L_{WA5}, Level 3 (dB(A))	-	64	66	69	70	68	62	53	75
L_{WA5}, Level 4 (dB(A))	-	65	67	71	71	72	66	55	77
L_{WA5}, Level 5 (dB(A))	-	69	69	72	73	73	69	57	79
L_{WA6}, Level 2 (dB(A))	-	69	75	78	77	73	68	58	83
L_{WA6}, Level 3 (dB(A))	-	76	73	78	77	73	68	58	83
L_{WA6}, Level 4 (dB(A))	-	75	73	78	77	74	69	58	83

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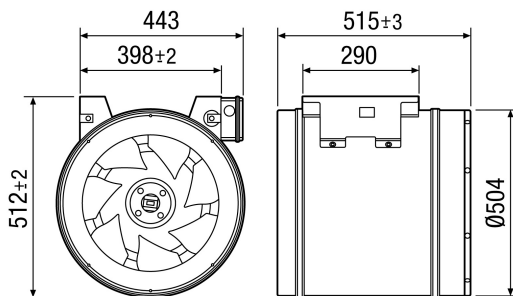
	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	Total
L _{WA6} , Level 5 (dB(A))	-	74	75	78	77	74	70	59	83
L _{WA2} , Level 2 (dB(A))	-	-	-	-	-	-	-	-	72
L _{WA2} , Level 3 (dB(A))	-	-	-	-	-	-	-	-	68
L _{WA2} , Level 4 (dB(A))	-	-	-	-	-	-	-	-	69
L _{WA2} , Level 5 (dB(A))	-	-	-	-	-	-	-	-	71

L_{WA2}= housing sound power level in dB.
 L_{WA5}= free inlet sound power level in dB.
 L_{WA6}= free outlet sound power level in dB.
 Measured at optimised efficiency

Characteristic curve



Dimensioned drawing [mm]



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