

EDR 56



Short description

Diagonal fan for duct installation, DN 560

Application examples

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

Article number 0080.0663

Technical data

Air flow volume	10.800 m ³ /h
Air volume e_{nom}	6.937 m ³ /h (in opt. efficiency)
Pressure $p_{fs, nom}$	472 Pa (in opt. efficiency)
Rotating speed n_{nom}	1.595 1/min (in opt. efficiency)
Rotating speed	1.610 1/min
Impeller type	diagonal
Speed controllable	✓
Type of voltage	Three-phase AC
Rated voltage	400 V
Frequency	50 Hz
Nominal output	1.445 W (in opt. efficiency)
I_{nom}	2,3 A (in opt. efficiency)
I_{max}	2,7 A
Degree of protection	IP X4
Insulation class	F
Mains cable	5 x 1,5 mm ²
Installation position	vertical / horizontal
Housing material	Sheet steel, galvanised
Colour	Silver grey
Weight	24,3 kg
Weight including packaging	33 kg
Nominal size	560 mm
Width	573 mm
Height	564 mm
Depth	582 mm
Width with packaging	550 mm
Height with packaging	550 mm
Depth with packaging	525 mm
Airstream temperature at I_{Max}	60 °C

EDR 56

Ambient temperature	60 °C
Packing unit	1 piece
Range	C
GTIN (EAN)	4012799806639

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

Total efficiency η	65 %
Measurement category	A
Efficiency category	static
Efficiency level N	73,9
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.	0080.0663
P_{BEP} / Air volume $_{BEP}$ / $P_{fs, BEP}$	1,441 kW / 6.937 m ³ /h / 472 Pa
n_{BEP}	1.595 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}	2,3 A
Sound power level $_{L_{WA5}}$	81 dB(A)

Sound power level in octave range

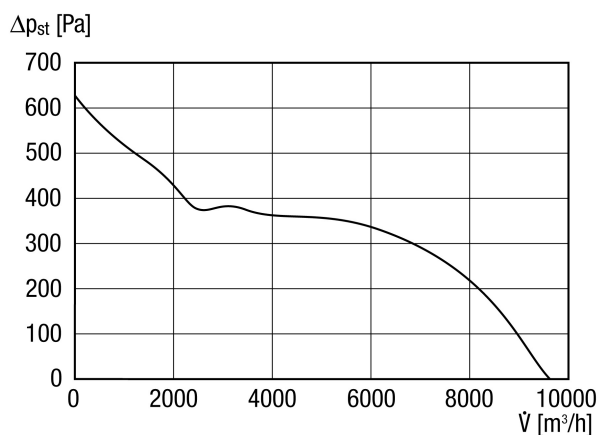
	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	Total
L_{WA5}, Level 2 (dB(A))	-	85	87	82	79	76	70	63	90
L_{WA5}, Level 3 (dB(A))	-	85	86	81	78	74	67	58	90
L_{WA5}, Level 4 (dB(A))	-	83	83	78	76	73	69	60	87
L_{WA5}, Level 5 (dB(A))	-	89	81	80	79	77	74	63	91
L_{WA6}, Level 2 (dB(A))	-	87	88	88	82	78	73	65	93
L_{WA6}, Level 3 (dB(A))	-	87	88	87	82	75	70	61	93
L_{WA6}, Level 4 (dB(A))	-	88	88	85	80	75	70	62	93

EDR 56

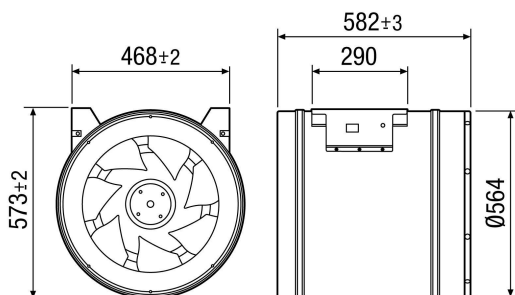
	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	Total
L _{WA6} , Level 5 (dB(A))	-	90	87	87	82	78	74	65	93
L _{WA2} , Level 2 (dB(A))	-	-	-	-	-	-	-	-	83
L _{WA2} , Level 3 (dB(A))	-	-	-	-	-	-	-	-	82
L _{WA2} , Level 4 (dB(A))	-	-	-	-	-	-	-	-	83
L _{WA2} , Level 5 (dB(A))	-	-	-	-	-	-	-	-	84

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]



EDR 56

