

6448 H

DC axial compact fan



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Nominal data

Type	6448 H	
Nominal voltage	VDC	48
Nominal voltage range	VDC	28 .. 60
Speed	min ⁻¹	4000
Power input	W	26.0
Min. ambient temperature	°C	-20
Max. ambient temperature	°C	55
Air flow	m ³ /h	480
Sound power level	B	7.1
Sound pressure level	dB(A)	63

ml = max. load · me = max. efficiency · fa = running at free air · cs = customer specs · cu = customer unit
Subject to alterations



Technical features

General description	<p>Particular design features: Optional Vario-Pro: Highly flexible software configuration for the fan ensures an easily customisable solution to meet the individual requirements of your application.</p> <p>General features: Housing made of aluminium, impeller made of fibreglass-reinforced PA; housing with grounding lug for M4 x 8 screw (Torx). 48 V version incl. screws. Electronic commutation completely integrated. Protected against reverse polarity and locking. Electrical connection to flat plugs, 3 x 0.5 mm. Air exhaust over bars. Direction of rotation counter-clockwise seen on rotor. Mass: 760 g.</p>
Mass	0.760 kg
Dimensions	172 x 150 x 51 mm
Material of impeller	Fibreglass-reinforced PA plastic
Housing material	Aluminum. Housing with grounding lug for screw M4 x 8 (TORX).
Direction of air flow	Air exhaust over bars
Direction of rotation	Left, looking at rotor
Bearing	Ball bearings
Lifetime L10 at 40 °C	70000 h
Lifetime L10 at maximum temperature	50000 h
Connection line	Flat plugs 3.0 x 0.5 mm.
Motor protection	Protected against reverse polarity and locking.
Locked-rotor protection	Electronic blocking protection, with electronic motor current limit in the startup phase and when the rotor is blocked.
Approval	VDE, CSA, UL, CE

Product drawing



Charts: Air flow

