

DV 6248

DC diagonal compact fan

sickled blades (S series)



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Nominal data

Type	DV 6248	
Nominal voltage	VDC	48
Nominal voltage range	VDC	28 .. 60
Speed	min ⁻¹	4300
Power input	W	40.0
Min. ambient temperature	°C	-20
Max. ambient temperature	°C	75
Air flow	m ³ /h	540
Sound power level	B	7.1
Sound pressure level	dB(A)	63

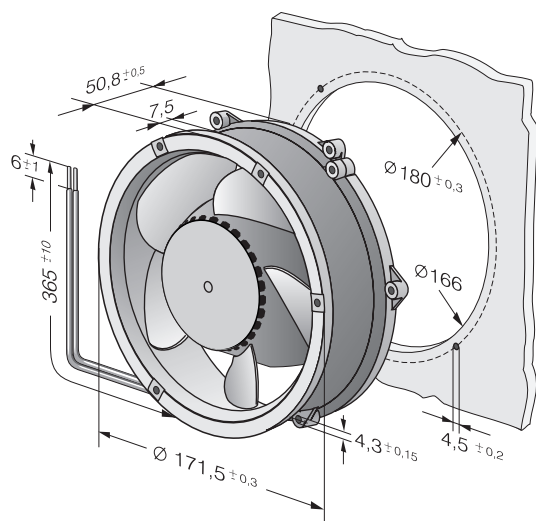
ml = max. load · me = max. efficiency · rfa = running at free air · cs = customer specs · cu = customer unit
Subject to alterations



Technical features

Dimensions	172 Ø x 51 mm
General description	Particular design features: Diagonal fan with low noise when there is a high pressure saddle curve. Very rigid compression curve for high air flow at high counterpressure. 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. Connection via single strands AWG 22, TR 64, bared and tin-plated. Air exhaust over bars. Direction of rotation counter-clockwise seen on rotor. Mass: 820 g.
Connection line	Single strands AWG 22, TR 64, bared and tin-plated.
Locked-rotor protection	Electronic blocking protection, with electronic motor current limit in the startup phase and when the rotor is blocked.
Direction of rotation	Left, looking at rotor
Direction of air flow	Air exhaust over bars
Bearing	Ball bearings
Lifetime L10 at 40 °C	90000 h
Lifetime L10 at maximum temperature	40000 h
Mass	0.820 kg
Housing material	Aluminum. Housing with grounding lug for screw M4 x 8 (TORX). 48 V version incl. screws.
Material of impeller	Fiberglass-reinforced PA plastic
Motor protection	Protected against reverse polarity and locking.
Approval	VDE, CSA, UL, CE

Product drawing



Charts: Air flow

