

DV 5218 N

DC diagonal compact fan

sickled blades (S series)



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Nominal data

Type	DV 5218 N	
Nominal voltage	VDC	48
Nominal voltage range	VDC	36 .. 60
Speed	min ⁻¹	5000
Power input	W	18.5
Min. ambient temperature	°C	-20
Max. ambient temperature	°C	65
Air flow	m ³ /h	270
Sound power level	B	6.4
Sound pressure level	dB(A)	56

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



Technical features

Dimensions	127 x 127 x 38 mm
General description	<p>Particular design features:</p> <p>Diagonal fan with low noise when there is a high pressure saddle curve. Rigid compression curve for high air flow at high counterpressure. Optional Vario-Pro: Highly flexible software configuration for the fan ensures an easily customisable solution to meet the individual requirements of your application. DV 5214 /2HP with PWM control input and speed signal, other inputs and outputs on request.</p> <p>General features:</p> <p>Housing made of fibreglass-reinforced plastic, optionally of aluminium. Flange made of metal. Impeller made of fibreglass-reinforced PA; housing with grounding lug for screw M4 x 8 (Torx). 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: 415 g (with metal housing: 490 g).</p>
Connection line	Single strands AWG 22, TR 64, bared and tin-plated.
Locked-rotor protection	With electronic blocking and overload protection
Direction of rotation	Left, looking at rotor
Direction of air flow	Air exhaust over bars
Bearing	Ball bearings
Lifetime L10 at 40 °C	70000 h
Lifetime L10 at maximum temperature	40000 h
Mass	0.415 kg
Housing material	Fiberglass-reinforced PBT plastic. Optionally of aluminum. Housing with grounding lug for screw M4 x 8 (TORX).
Material of impeller	Fiberglass-reinforced PA plastic, metal flange
Motor protection	Protected against reverse polarity and locking.
Approval	VDE, CSA, UL, CE

Charts: Air flow

