

REF 100-11/18

DC centrifugal compact fan

single inlet



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Nominal data

Type	REF 100-11/18	
Nominal voltage	VDC	48
Nominal voltage range	VDC	36 .. 60
Speed	min ⁻¹	5400
Power input	W	7.5
Min. ambient temperature	°C	-20
Max. ambient temperature	°C	75
Air flow	m ³ /h	86
Sound power level	B	6.3

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



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Technical features

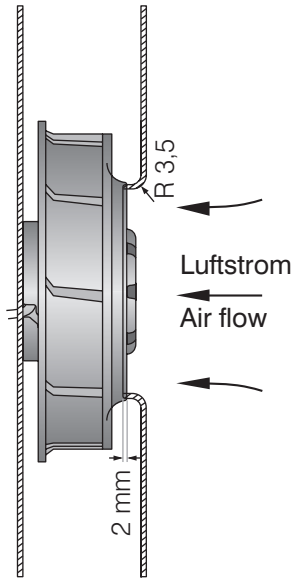
Dimensions	100 Ø x 25 mm
General description	Particular design features: Pressure-optimised blower. Very flat and high-performance centrifugal fan. Optional Vario-Pro: Highly flexible software configuration for the fan ensures an easily customisable solution to meet the individual requirements of your application. Backward curved impeller. General features: Impeller made of fibreglass-reinforced plastic. Electronic commutation completely integrated. Protected against reverse polarity and locking. Direction of air flow radial, direction of rotation, seen on rotor: clockwise. Connection via single strands AWG 22, TR 64, bared and tin-plated. Mass: 160 g.
Connection line	Single strands AWG 22, TR 64, bared and tin-plated.
Locked-rotor protection	With electronic blocking and overload protection
Direction of rotation	Right, looking at rotor
Direction of air flow	Axial air intake, centrifugal air exhaust out of the outlet.
Bearing	Ball bearings
Lifetime L10 at 40 °C	80000 h
Lifetime L10 at maximum temperature	30000 h
Mass	0.160 kg
Housing material	Scroll housing of fiberglass-reinforced plastic.
Material of impeller	Fiberglass-reinforced plastic
Motor protection	Protected against reverse polarity and locking.
Approval	CE



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Product drawing



Charts: Air flow

