

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 <sup>-1</sup>	5400
Power input	W	7.5
Min. ambient temperature	°C	-20
Max. ambient temperature	°C	75
Air flow	m <sup>3</sup> /h	86
Sound power level	B	6.3

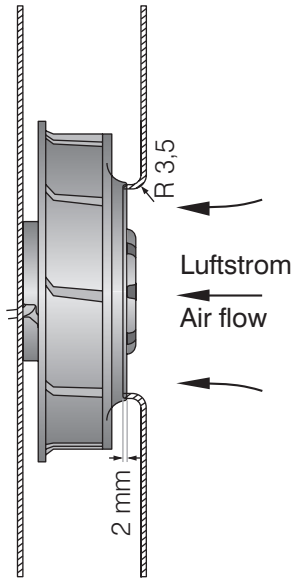
mi = max. load · me = max. efficiency · rfa = running at free air · cs = customer specs · cu = customer unit  
Subject to alterations



## Technical features

<b>Dimensions</b>	100 Ø x 25 mm
<b>General description</b>	<p>Particular design features:</p> <p>Pressure-optimised blower.</p> <p>Very flat and high-performance centrifugal fan.</p> <p>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>Backward curved impeller.</p> <p>General features:</p> <p>Impeller made of fibreglass-reinforced plastic.</p> <p>Electronic commutation completely integrated.</p> <p>Protected against reverse polarity and locking.</p> <p>Direction of air flow radial, direction of rotation, seen on rotor: clockwise.</p> <p>Connection via single strands AWG 22, TR 64, bared and tin-plated.</p> <p>Mass: 160 g.</p>
<b>Connection line</b>	Single strands AWG 22, TR 64, bared and tin-plated.
<b>Locked-rotor protection</b>	With electronic blocking and overload protection
<b>Direction of rotation</b>	Right, looking at rotor
<b>Direction of air flow</b>	Axial air intake, centrifugal air exhaust out of the outlet.
<b>Bearing</b>	Ball bearings
<b>Lifetime L10 at 40 °C</b>	80000 h
<b>Lifetime L10 at maximum temperature</b>	30000 h
<b>Mass</b>	0.160 kg
<b>Housing material</b>	Scroll housing of fibreglass-reinforced plastic.
<b>Material of impeller</b>	Fibreglass-reinforced plastic
<b>Motor protection</b>	Protected against reverse polarity and locking.
<b>Approval</b>	CE

## Product drawing



## Charts: Air flow

