

REF 100-11/18

# DC centrifugal compact fan

single inlet



## ebm-papst St. Georgen GmbH & Co. KG

Hermann-Papst-Straße 1

78112 St. Georgen

Phone: +49 7724 81-0

Fax: +49 7724 81-1309

www.ebmpapst.com

info2@de.ebmpapst.com

## Nominal data

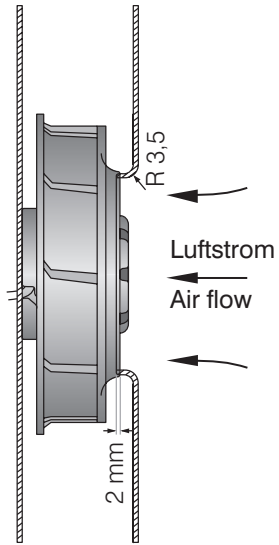
Type	REF 100-11/18	
Nominal voltage	[VDC]	48
Nominal voltage range	[VDC]	36 .. 60
Speed	[min <sup>-1</sup> ]	5400
Power input	[W]	7.5
Min. ambient temperature	[°C]	-20
Max. ambient temperature	[°C]	75
Air flow	[m <sup>3</sup> /h]	86
Sound power level	[B]	6.3

ml = 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>	Pressure-optimized blower. Very flat and high-performance centrifugal fan. Optional Vario-Pro: Highly flexible software configuration for the fan ensures an easily customizable solution to meet the individual requirements of your application. Backward curved impeller. Electronic commutation completely integrated.
<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 protection</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 fiberglass-reinforced plastic.
<b>Material of impeller</b>	Fiberglass-reinforced plastic
<b>Motor protection</b>	Protected against reverse polarity and locking.
<b>Option</b>	Speed signal
<b>Approval</b>	CE

## Product drawing



## Charts: Air flow

