REF 100-11/18 H

DC centrifugal compact fan

single inlet



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Nominal data

Type	REF 100-11/18 H	
Nominal voltage	VDC	48
Nominal voltage range	VDC	36 .. 56
Speed	min^{-1}	6700
Power input	W	14.8
Min. ambient temperature	°C	-20
Max. ambient temperature	°C	70
Air flow	m^3/h	104
Sound power level	B	6.9

ml = Max. load · me = Max. efficiency · fa = Running at free air · cs = Customer specs · cu = Customer unit
Subject to alterations

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Technical features

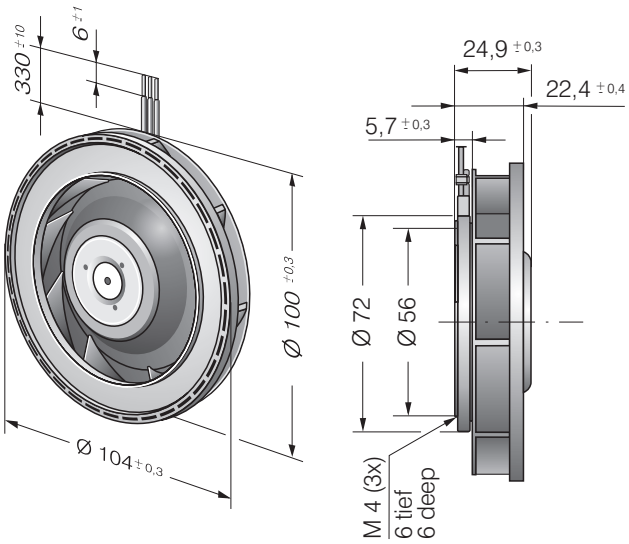
General description	Backward-curved impeller
Mass	0.160 kg
Dimensions	100 Ø x 25 mm
Material of impeller	Fiberglass-reinforced plastic
Housing material	Scroll housing of fiberglass-reinforced plastic.
Direction of air flow	Axial air intake, centrifugal air exhaust out of the outlet.
Direction of rotation	Right, looking at rotor
Bearing	Ball bearings
Lifetime L10 at 40 °C	67500 h
Lifetime L10 at maximum temperature	32500 h
Connection line	With single strands AWG 22, TR 64
Motor protection	Protected against reverse polarity and locking.
Locked-rotor protection	With electronic blocking and overload protection
Approval	CE

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Product drawing

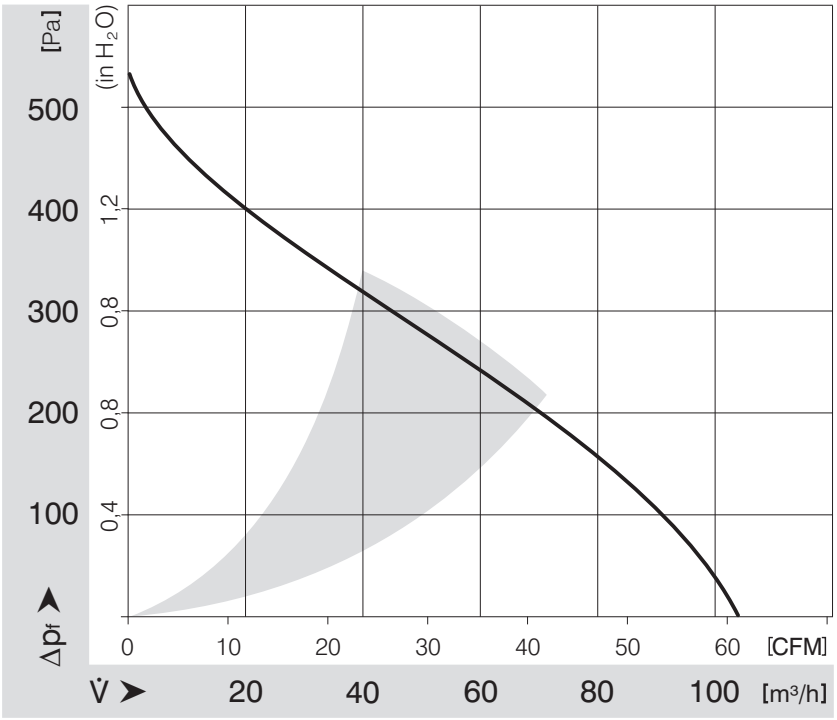


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Charts: Air flow



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