

REF 100-11/14

DC centrifugal compact fan

single inlet



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Nominal data

| Type | REF 100-11/14 | |
|--------------------------|-------------------|----------|
| Nominal voltage | VDC | 24 |
| Nominal voltage range | VDC | 16 .. 30 |
| 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 |

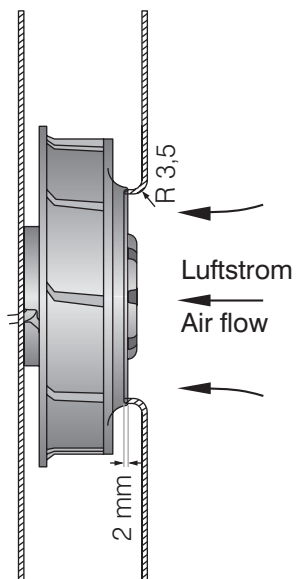
mi = max. load · me = max. efficiency · rfa = running at free air · cs = customer specs · cu = customer unit
Subject to alterations



Technical features

| | |
|--|---|
| Dimensions | 100 Ø x 25 mm |
| General description | <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> |
| 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 fibreglass-reinforced plastic. |
| Material of impeller | Fibreglass-reinforced plastic |
| Motor protection | Protected against reverse polarity and locking. |
| Approval | CE |

Product drawing



Charts: Air flow

