

# DC centrifugal compact fan

single-intake

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## Nominal data

| Type                     | REF 100-11/12     |         |
|--------------------------|-------------------|---------|
| Nominal voltage          | VDC               | 12      |
| Nominal voltage range    | VDC               | 8 .. 15 |
| Speed (rpm)              | min <sup>-1</sup> | 5400    |
| Power consumption        | 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 · fa = Free air · cs = Customer specification · ce = Customer equipment  
Subject to change



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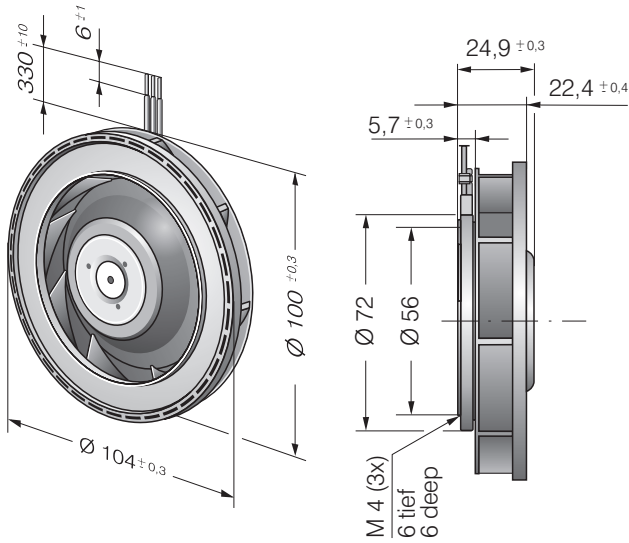
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## Technical description

|                                         |                                                        |
|-----------------------------------------|--------------------------------------------------------|
| General description                     | Backward-curved impeller                               |
| Weight                                  | 0.160 kg                                               |
| Dimensions                              | Ø 100 x 25 mm                                          |
| Impeller material                       | Glass-fiber reinforced plastic                         |
| Housing material                        | Scroll housing made of glass-fiber reinforced plastic. |
| Airflow direction                       | Axial intake, radial discharge from outlet.            |
| Direction of rotation                   | Clockwise, viewed toward rotor                         |
| Storage                                 | Ball bearing                                           |
| Service life L10 at 40 °C               | 80000 h                                                |
| Service life L10 at maximum temperature | 30000 h                                                |
| Cable                                   | With leads AWG 22, TR 64                               |
| Motor protection                        | Protection against reverse polarity and blocked rotor. |
| Locked-rotor protection                 | With electronic locked-rotor and overload protection.  |
| Approval                                | CE                                                     |
| Option                                  | Speed signal                                           |



## Product drawing



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## Curves: Air performance

