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**Nominal data**

| Type                     | 612 NN            |         |
|--------------------------|-------------------|---------|
| Nominal voltage          | VDC               | 12      |
| Nominal voltage range    | VDC               | 8 .. 15 |
| Speed (rpm)              | min <sup>-1</sup> | 5100    |
| Power consumption        | W                 | 1.5     |
| Min. ambient temperature | °C                | -20     |
| Max. ambient temperature | °C                | 70      |
| Air flow                 | m <sup>3</sup> /h | 42      |
| Sound power level        | B                 | 5.0     |
| Sound pressure level     | dB(A)             | 35      |

ml = Max. load · me = Max. efficiency · fa = Free air · cs = Customer specification · ce = Customer equipment  
 Subject to change



### Technical description

|  |  |
|--|--|
| <b>Housing material</b>                        | Glass-fiber reinforced PBT plastic   |
| <b>Impeller material</b>                       | Glass-fiber reinforced PA plastic  |
| <b>Weight</b>                                  | 0.066 kg   |
| <b>Dimensions</b>                              | 60 x 60 x 25 mm  |
| <b>Airflow direction</b>                       | Exhaust over struts  |
| <b>Direction of rotation</b>                   | Clockwise, viewed toward rotor   |
| <b>Storage</b>                                 | Ball bearing   |
| <b>Service life L10 at 40 °C</b>               | 70000 h  |
| <b>Service life L10 at maximum temperature</b> | 35000 h  |
| <b>Cable</b>                                   | Leads AWG 22, TR 64, stripped and tin-plated.  |
| <b>Motor protection</b>                        | Protection against reverse polarity and blocked rotor.   |
| <b>Locked-rotor protection</b>                 | With electronic locked-rotor and overload protection   |
| <b>Approval</b>                                | VDE, CSA, UL, CE   |
| <b>Option</b>                                  | Possible custom designs:<br>Speed signal<br>Go / No-go alarm<br>Moisture protection<br>Degree of protection: IP54 / IP68 |



## Product drawing



## Curves: Air performance

