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**Nominal data**

| Type                     | 614 NHH-119       |          |
|--------------------------|-------------------|----------|
| Nominal voltage          | VDC               | 24       |
| Nominal voltage range    | VDC               | 18 .. 28 |
| Speed                    | min <sup>-1</sup> | 6850     |
| Power input              | W                 | 3.0      |
| Min. ambient temperature | °C                | -20      |
| Max. ambient temperature | °C                | 70       |
| Air flow                 | m <sup>3</sup> /h | 56       |
| Sound power level        | B                 | 5.7      |
| Sound pressure level     | dB(A)             | 41       |

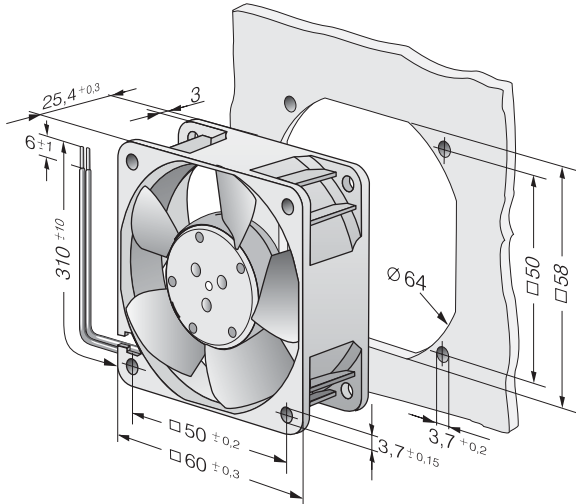
ml = max. load · me = max. efficiency · fa = running at free air · cs = customer specs · cu = customer unit  
Subject to alterations



## Technical features

|                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General description</b>                 | <p>Particular design features:</p> <p>Ball bearings and sleeve bearings available.</p> <p>Some models suitable for use at high ambient temperatures up to 85 °C.</p> <p>General features:</p> <p>Material: fibreglass-reinforced plastic. Impeller PA, housing PBT.</p> <p>Electronic commutation completely integrated.</p> <p>Protected against reverse polarity and locking.</p> <p>Connection via single strands AWG 22, TR 64, bared and tin-plated.</p> <p>Air exhaust over bars. Rotational direction clockwise looking at rotor.</p> <p>Mass: 66 g.</p> |
| <b>Mass</b>                                | 0.066 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Dimensions</b>                          | 60 x 60 x 25 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Material of impeller</b>                | Fiberglass-reinforced PA plastic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Housing material</b>                    | Fiberglass-reinforced PBTP plastic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Direction of air flow</b>               | Air exhaust over bars                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Direction of rotation</b>               | Right, looking at rotor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Bearing</b>                             | Ball bearings                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Lifetime L10 at 40 °C</b>               | 60000 h                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Lifetime L10 at maximum temperature</b> | 30000 h                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Connection line</b>                     | Single strands AWG 22, TR 64, bared and tin-plated.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Motor protection</b>                    | Protected against reverse polarity and locking.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Locked-rotor protection</b>             | With electronic blocking and overload protection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Approval</b>                            | VDE, CSA, UL, CE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

## Product drawing



## Charts: Air flow

