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**Nominal data**

| Type                     | 6318 /2 TDHP      |          |
|--------------------------|-------------------|----------|
| Nominal voltage          | VDC               | 48       |
| Nominal voltage range    | VDC               | 36 .. 72 |
| Speed (rpm)              | min <sup>-1</sup> | 5500     |
| Power consumption        | W                 | 40       |
| Min. ambient temperature | °C                | -20      |
| Max. ambient temperature | °C                | 75       |
| Air flow                 | m <sup>3</sup> /h | 600      |
| Sound power level        | B                 | 7.3      |
| Sound pressure level     | dB(A)             | 60       |

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



**Technical description**

|                                                    |                                                                                                                                                                                                                                      |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General description</b>                         | 3-phase fan drive with<br>very smooth operation and high efficiency<br>Housing with grounding lug for<br>M4 x 8 screw (Torx)<br>Power consumption when wide open; these values may be considerably higher at<br>the operating point. |
| <b>Weight</b>                                      | 0.910 kg                                                                                                                                                                                                                             |
| <b>Dimensions</b>                                  | Ø 172 x 51 mm                                                                                                                                                                                                                        |
| <b>Impeller material</b>                           | Glass-fiber reinforced PA plastic                                                                                                                                                                                                    |
| <b>Housing material</b>                            | Die-cast aluminum                                                                                                                                                                                                                    |
| <b>Airflow direction</b>                           | Exhaust over struts                                                                                                                                                                                                                  |
| <b>Direction of rotation</b>                       | Counterclockwise, viewed toward rotor                                                                                                                                                                                                |
| <b>Storage</b>                                     | Ball bearing                                                                                                                                                                                                                         |
| <b>Service life L10 at 40 °C</b>                   | 75000 h                                                                                                                                                                                                                              |
| <b>Service life L10 at maximum<br/>temperature</b> | 30000 h                                                                                                                                                                                                                              |
| <b>Cable</b>                                       | With leads AWG 18, 20 or<br>AWG 22, TR 64, speed signal and<br>control input AWG 22                                                                                                                                                  |
| <b>Motor protection</b>                            | Protection against reverse polarity and blocked rotor.                                                                                                                                                                               |



[illegible]

## Curves

