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**Nominal data**

| Type                     | 6448 T            |          |
|--------------------------|-------------------|----------|
| Nominal voltage          | VDC               | 48       |
| Nominal voltage range    | VDC               | 28 .. 60 |
| Speed (rpm)              | min <sup>-1</sup> | 3400     |
| Power consumption        | W                 | 17.0     |
| Min. ambient temperature | °C                | -10      |
| Max. ambient temperature | °C                | 72       |
| Air flow                 | m <sup>3</sup> /h | 410      |
| Sound power level        | B                 | 6.4      |
| Sound pressure level     | dB(A)             | 57       |

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

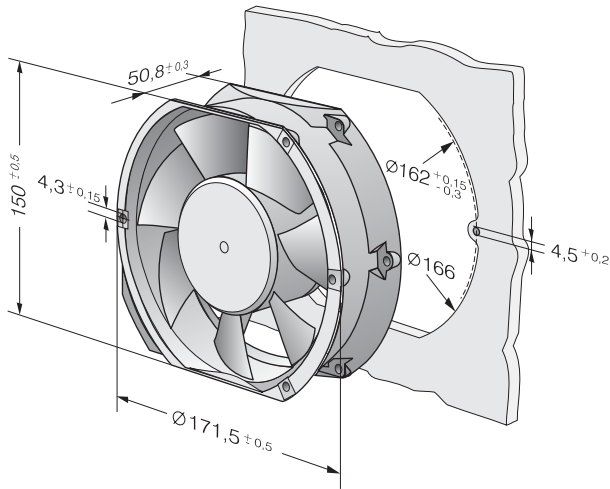


**Technical description**

|                                                |                                                                                                                       |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| <b>Weight</b>                                  | 0.760 kg                                                                                                              |
| <b>Dimensions</b>                              | 172 x 150 x 51 mm                                                                                                     |
| <b>Impeller material</b>                       | Glass-fiber reinforced PA plastic                                                                                     |
| <b>Housing material</b>                        | Aluminum. Housing with grounding lug for M4 x 8 screw (Torx). 48 V design incl. screws.                               |
| <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>               | 77500 h                                                                                                               |
| <b>Service life L10 at maximum temperature</b> | 35000 h                                                                                                               |
| <b>Cable</b>                                   | Flat plug 3.0 x 0.5 mm.                                                                                               |
| <b>Motor protection</b>                        | Protection against reverse polarity and blocked rotor.                                                                |
| <b>Locked-rotor protection</b>                 | Electronic locked-rotor protection, with electronic motor current limitation during startup and when rotor is locked. |
| <b>Approval</b>                                | VDE, CSA, UL, CE                                                                                                      |



## Product drawing



## Curves: Air performance

