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Nominal data

| Type                     | RER 175-42/18/2 TDMP |          |
|--------------------------|----------------------|----------|
| Nominal voltage          | VDC                  | 48       |
| Nominal voltage range    | VDC                  | 36 .. 72 |
| Speed (rpm)              | min <sup>-1</sup>    | 4800     |
| Power consumption        | W                    | 110      |
| Min. ambient temperature | °C                   | -20      |
| Max. ambient temperature | °C                   | 65       |
| Air flow                 | m <sup>3</sup> /h    | 865      |
| Sound power level        | B                    | 8.2      |

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

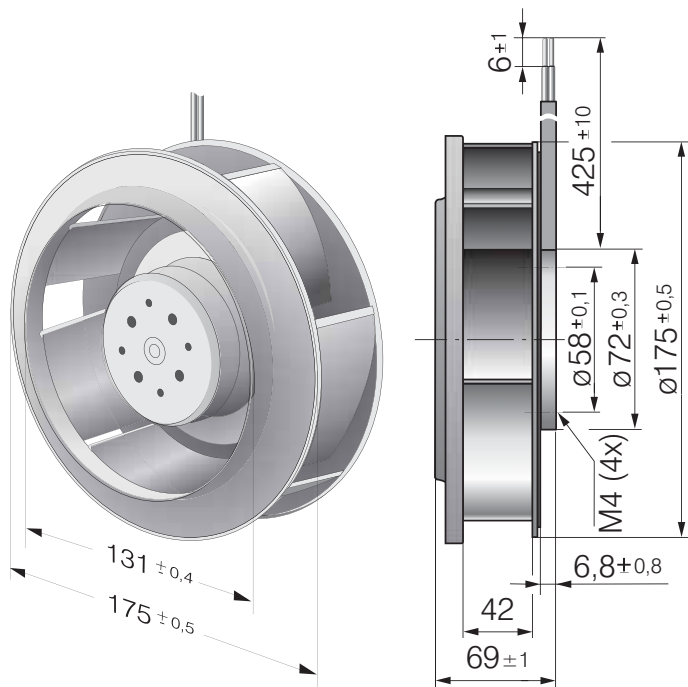


## Technical description

|                                         |                                                                                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------------------|
| General description                     | 3-phase fan drive with<br>very smooth operation and high efficiency<br>Backward-curved impeller |
| Impeller material                       | Glass-fiber reinforced plastic                                                                  |
| Weight                                  | 0.775 kg                                                                                        |
| Dimensions                              | Ø 175 x 69 mm                                                                                   |
| Airflow direction                       | Axial: intake, radial: discharge                                                                |
| Direction of rotation                   | Clockwise, viewed toward rotor                                                                  |
| Storage                                 | Ball bearing                                                                                    |
| Service life L10 at 40 °C               | 70000 h                                                                                         |
| Service life L10 at maximum temperature | 40000 h                                                                                         |
| Cable                                   | With leads AWG 18, 20 or<br>AWG 22, TR 64, speed signal and<br>control input AWG 22             |



## Product drawing



Curves

