

**ebm-papst St. Georgen GmbH & Co. KG**

Hermann-Papst-Str. 1

D-78112 St. Georgen

Phone +49 (0) 7724 81-0

Fax +49 (0) 7724 81-1309

info2@de.ebmpapst.com

www.ebmpapst.com

**Nominal data**

| Type                     | RER 175-42/14/2 TDMLP |          |
|--------------------------|-----------------------|----------|
| Nominal voltage          | VDC                   | 24       |
| Nominal voltage range    | VDC                   | 16 .. 30 |
| Speed (rpm)              | min <sup>-1</sup>     | 3400     |
| Power consumption        | W                     | 48       |
| Min. ambient temperature | °C                    | -20      |
| Max. ambient temperature | °C                    | 65       |
| Air flow                 | m <sup>3</sup> /h     | 600      |
| Sound power level        | B                     | 7.3      |

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

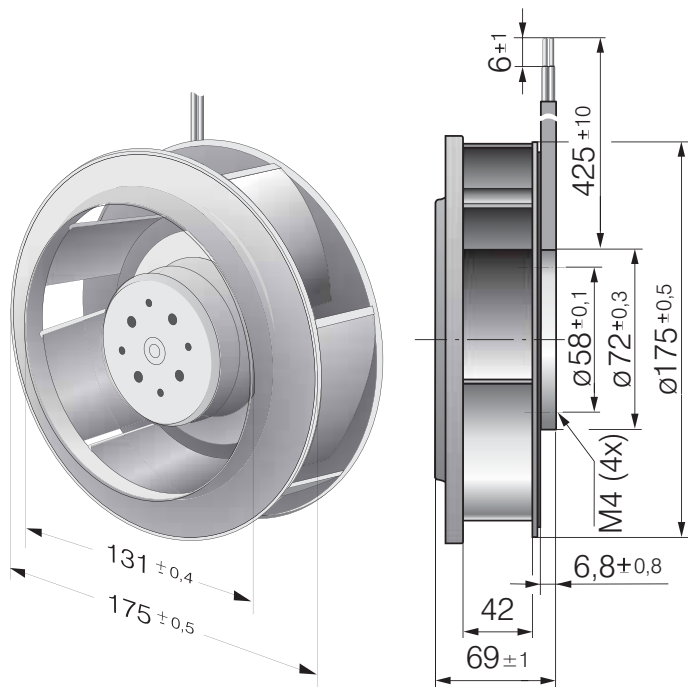


**Technical description**

|                                                |                                                                                                 |
|------------------------------------------------|-------------------------------------------------------------------------------------------------|
| <b>General description</b>                     | 3-phase fan drive with<br>very smooth operation and high efficiency<br>Backward-curved impeller |
| <b>Impeller material</b>                       | Glass-fiber reinforced plastic                                                                  |
| <b>Weight</b>                                  | 0.775 kg                                                                                        |
| <b>Dimensions</b>                              | Ø 175 x 69 mm                                                                                   |
| <b>Airflow direction</b>                       | Axial: intake, radial: discharge                                                                |
| <b>Direction of rotation</b>                   | Clockwise, viewed toward rotor                                                                  |
| <b>Storage</b>                                 | Ball bearing                                                                                    |
| <b>Service life L10 at 40 °C</b>               | 72500 h                                                                                         |
| <b>Service life L10 at maximum temperature</b> | 40000 h                                                                                         |
| <b>Cable</b>                                   | With leads AWG 18, 20 or<br>AWG 22, TR 64, speed signal and<br>control input AWG 22             |



## Product drawing



## Curves

