

max. 190 m<sup>3</sup>/h

# DC centrifugal fans

Series RER 101 101 Ø x 52 mm



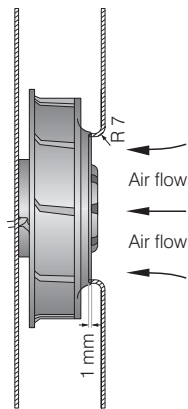
### Highlights:

- Optional Vario-Pro: Highly adaptable software configuration of the fan enables a tailor-made solution to the specific requirements of your applications.
- Backward curved impeller.

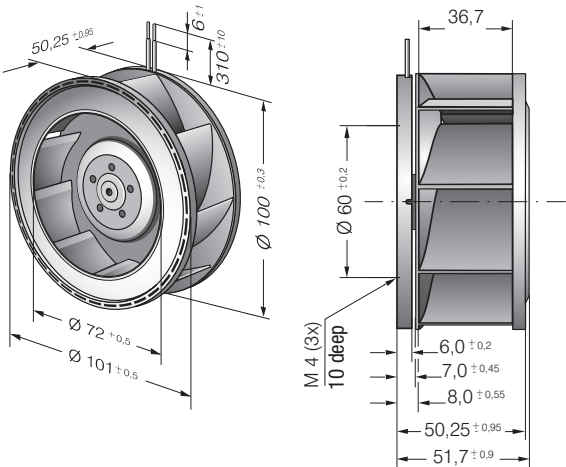
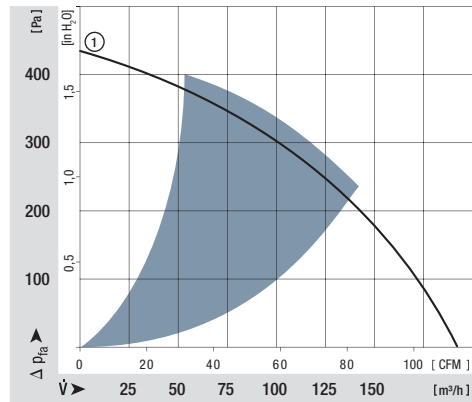
### General characteristics:

- Fibreglass-reinforced plastic scroll housing and impeller.
- Fully integrated electronic commutation.
- Protected against reverse polarity and locking.
- Direction of air flow radial, direction of rotation clockwise, seen on rotor.
- Connection via single strands AWG 22, TR 64. Bared and tin-plated.
- Mass: 305 g.

| Nominal data     |  | Air flow          | Air flow | Nominal voltage | Voltage range | Sound power level | Sinter sleeve bearings<br>Ball bearings | Power input | Nominal speed | Temperature range | Service life L <sub>10</sub> (40 °C)<br>ebm-papst Standard | Service life L <sub>10</sub> (T <sub>max</sub> )<br>ebm-papst Standard | Life expectancy L <sub>10</sub> <sup>Δ</sup><br>(40 °C) see P. 15 | Curve  | Specials |
|------------------|--|-------------------|----------|-----------------|---------------|-------------------|-----------------------------------------|-------------|---------------|-------------------|------------------------------------------------------------|------------------------------------------------------------------------|-------------------------------------------------------------------|--------|----------|
| Type             |  | m <sup>3</sup> /h | CFM      | VDC             | VDC           | Bel(A)            | ■ / ■                                   | Watts       | RPM           | °C                | Hours                                                      | Hours                                                                  | Hours                                                             | P. 116 |          |
| RER 101-36/12NHH |  | 190               | 111,8    | 12              | 9..13,6       | 7,2               | ■                                       | 20,5        | 5 900         | -20...+70         | 60 000 / 30 000                                            | 120 000                                                                | 120 000                                                           | 1      |          |
| RER 101-36/14NHH |  | 190               | 111,8    | 24              | 18..27,2      | 7,2               | ■                                       | 20,0        | 5 900         | -20...+70         | 60 000 / 30 000                                            | 120 000                                                                | 120 000                                                           | 1      |          |
| RER 101-36/18NHH |  | 190               | 111,8    | 48              | 43...52       | 7,2               | ■                                       | 19,0        | 5 900         | -20...+70         | 60 000 / 30 000                                            | 120 000                                                                | 120 000                                                           | 1      | /19      |



The air flow and noise level of fans without external housing depends on the installation conditions. The stated air flow and noise levels have been measured under the following conditions:  
Centrifugal fan mounted on a base plate 148 x 148 mm.  
Cover plate 148 x 148 mm with an air inlet of Ø 66 mm, concentric to the impeller.



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