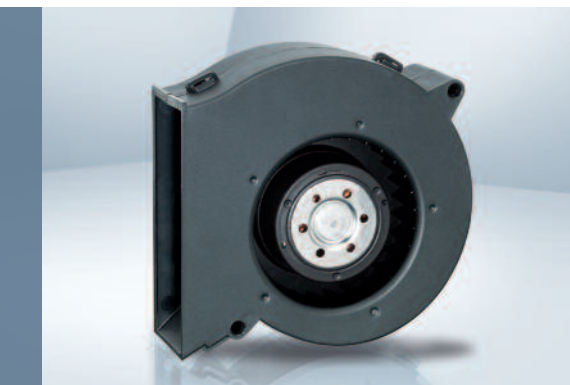


Max. 61 m<sup>3</sup>/h

# DC centrifugal fans

97 x 93.5 x 33 mm

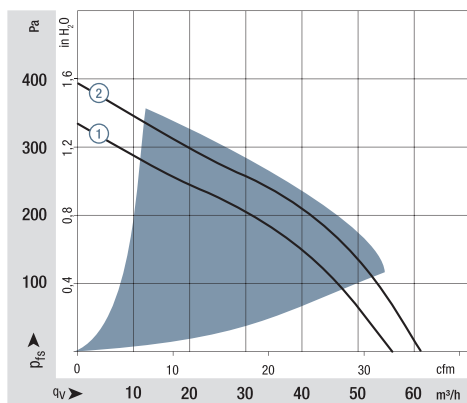
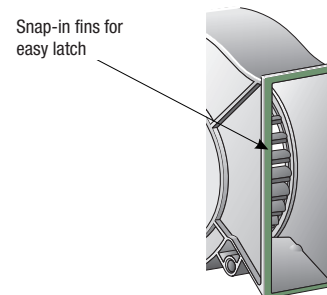


- **Material:** Scroll housing: GRP<sup>1)</sup>  
Impeller: GRP<sup>1)</sup>
- **Direction of air flow:** Axial: Intake,  
Centrifugal: Exhaust
- **Connection:** via single wires AWG 26, TR 64
- **Highlights:** Forward-curved impeller
- **Weight:** 170 g
- **Possible special versions:**  
(See chapter DC fans - specials):
  - Speed signal
  - Go / NoGo alarm
  - Alarm with speed limit
  - External temperature sensor
  - Internal temperature sensor
  - PWM control input
  - Analog control input
  - Moisture protection

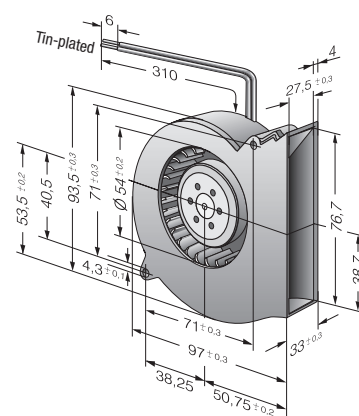
1) Fiberglass-reinforced plastic

| Series RL 65  |                   |      |                 |               |                   |                                         |                   |                   |                   |                                                            |                                                                        |                                                            |       |
|---------------|-------------------|------|-----------------|---------------|-------------------|-----------------------------------------|-------------------|-------------------|-------------------|------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------|-------|
| Nominal data  | Air flow          |      | Nominal voltage | Voltage range | Sound power level | Sinter sleeve bearings<br>Ball bearings | Power consumption | 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> IPC<br>(40 °C) see page 17 | Curve |
|               | m <sup>3</sup> /h | cfm  |                 |               |                   |                                         |                   |                   |                   |                                                            |                                                                        |                                                            |       |
| Type          | m <sup>3</sup> /h | cfm  | VDC             | VDC           | Bel(A)            | ■ / ■                                   | Watts             | rpm <sup>-1</sup> | °C                | Hours                                                      | Hours                                                                  | Hours                                                      | Curve |
| RL 65-21/12   | 56                | 32,9 | 12              | 6.8...13.8    | 6.6               | ■                                       | 15.0              | 4 500             | -20...+70         | 60 000 / 30 000                                            | 102 500                                                                | 102 500                                                    | ①     |
| RL 65-21/12 H | 61                | 35,8 | 12              | 6.8...13.2    | 6.8               | ■                                       | 19.2              | 4 900             | -20...+55         | 55 000 / 40 000                                            | 92 500                                                                 | 92 500                                                     | ②     |
| RL 65-21/14   | 56                | 32,9 | 24              | 12...26.4     | 6.6               | ■                                       | 14.0              | 4 500             | -20...+70         | 60 000 / 30 000                                            | 102 500                                                                | 102 500                                                    | ①     |
| RL 65-21/14 H | 61                | 35,8 | 24              | 12...26.4     | 6.8               | ■                                       | 18.0              | 4 900             | -20...+60         | 55 000 / 35 000                                            | 92 500                                                                 | 92 500                                                     | ②     |

Subject to change



Air performance measured according to: ISO 5801.  
Installation category A, without contact protection.  
Noise: Total sound power level L<sub>WA</sub> ISO 103002  
measured on a hemisphere with a radius of 2 m.  
Sound pressure level L<sub>PA</sub> measured at 1 m distance  
from fan axis.  
The values given are applicable only under the specified  
measuring conditions and may differ depending on the  
installation conditions.  
In the event of deviation from the standard configuration,  
the parameters must be checked after installation!  
For detailed information see  
<http://www.ebmpapst.com/general conditions>



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