

max. 204 m<sup>3</sup>/h

## DC axial fans

□ 119 x 32 mm

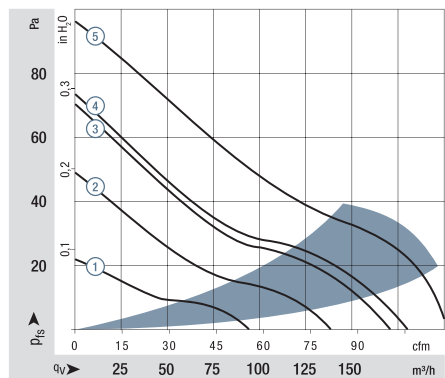


- **Material:** Housing: GRP<sup>1)</sup> (PBT)  
Impeller: GRP<sup>1)</sup> (PA)
  - **Direction of air flow:** Exhaust over struts
  - **Direction of rotation:** Clockwise, seen on rotor
  - **Connection:** Via single wires AWG 22, TR 64
  - **Highlights:** Ball bearings and sleeve bearings available
  - **Mass:** 220 g
- **Possible special versions:** (See chapter DC fans - specials)
    - Speed signal
    - Go- / NoGo-alarm
    - Alarm with limit speed
    - External temperature sensor
    - Internal temperature sensor
    - PWM control input
    - Analog control input
    - Humidity protection
    - Salt fog protection
    - Degree of protection: IP 54 / IP 68

1) Fibreglass-reinforced plastic

| Series 4300  |                   |     |                 |               |                      |                   |   |             |               |                   |  |  |   |       |
|--------------|-------------------|-----|-----------------|---------------|----------------------|-------------------|---|-------------|---------------|-------------------|--|--|---|-------|
| Nominal data | Air flow          |     | Nominal voltage | Voltage range | Sound pressure level | Sound power level | Sinter sleeve bearings<br>Ball bearings | Input power | Nominal speed | Temperature range | Service life L <sub>10</sub> (40 °C)<br>eIm-papst Standard | Service life L <sub>10</sub> (T <sub>max</sub> )<br>eIm-papst Standard | Life expectancy L <sub>10</sub> IPC<br>(40 °C, see page 17) | Curve |
|              | m <sup>3</sup> /h | cfm |                 |               |                      |                   |   |             |               |                   |  |  |   |       |
| 4312 GL      | 95                | 56  | 12              | 6...15        | 30                   | 4,3               | □                                       | 1,2         | 1 550         | -20...+75         | 80 000 / 35 000  | 135 000  | 135 000   | ①     |
| 4312 L       | 95                | 56  | 12              | 6...15        | 30                   | 4,3               | ■                                       | 1,2         | 1 550         | -20...+75         | 80 000 / 35 000  | 135 000  | 135 000   | ①     |
| 4312 GM      | 140               | 82  | 12              | 6...15        | 39                   | 5,3               | □                                       | 3,1         | 2 300         | -20...+75         | 70 000 / 30 000  | 117 500  | 117 500   | ②     |
| 4312 M       | 140               | 82  | 12              | 6...15        | 39                   | 5,3               | ■                                       | 3,1         | 2 300         | -20...+75         | 70 000 / 30 000  | 117 500  | 117 500   | ②     |
| 4312 G       | 170               | 100 | 12              | 6...15        | 45                   | 5,8               | □                                       | 5,0         | 2 800         | -20...+70         | 62 500 / 30 000  | 105 000  | 105 000   | ③     |
| 4312         | 170               | 100 | 12              | 6...15        | 45                   | 5,8               | ■                                       | 5,0         | 2 800         | -20...+70         | 62 500 / 30 000  | 105 000  | 105 000   | ③     |
| 4312-179     | 204               | 120 | 12              | 6...13,2      | 51                   | 6,4               | ■                                       | 9,4         | 3 400         | -20...+65         | 47 500 / 27 500  | 80 000   | 80 000  | ⑤     |
| 4314 L       | 95                | 56  | 24              | 12...28       | 30                   | 4,3               | ■                                       | 1,2         | 1 550         | -20...+75         | 80 000 / 35 000  | 135 000  | 135 000   | ①     |
| 4314 M       | 140               | 82  | 24              | 12...28       | 39                   | 5,3               | ■                                       | 2,8         | 2 300         | -20...+75         | 70 000 / 30 000  | 117 500  | 117 500   | ②     |
| 4314 G       | 170               | 100 | 24              | 12...28       | 45                   | 5,8               | □                                       | 4,7         | 2 800         | -20...+75         | 62 500 / 27 500  | 105 000  | 105 000   | ③     |
| 4314         | 170               | 100 | 24              | 12...28       | 45                   | 5,8               | ■                                       | 5,0         | 2 800         | -20...+75         | 62 500 / 27 500  | 105 000  | 105 000   | ③     |
| 4314-147     | 180               | 106 | 24              | 12...28       | 47                   | 6,1               | ■                                       | 4,7         | 3 000         | -20...+75         | 57 500 / 25 000  | 80 000   | 80 000  | ④     |
| 4314-180     | 204               | 120 | 24              | 12...26       | 51                   | 6,4               | ■                                       | 8,5         | 3 400         | -20...+70         | 45 000 / 22 500  | 75 000   | 75 000  | ⑤     |
| 4318 M       | 140               | 82  | 48              | 36...56       | 39                   | 5,3               | ■                                       | 3,6         | 2 300         | -20...+75         | 70 000 / 30 000  | 117 500  | 117 500   | ②     |
| 4318         | 170               | 100 | 48              | 36...53       | 45                   | 5,8               | ■                                       | 5,1         | 2 800         | -20...+75         | 62 500 / 27 500  | 105 000  | 105 000   | ③     |

Subject to alterations



Air performance measured as per: ISO 5801, installation category A, without accidental contact.  
Noise: Total sound power level L<sub>WA</sub> ISO 103002 measured on half-sphere of 2 m;  
Sound pressure level L<sub>pA</sub> measured at 1 m distance to fan axis.  
The acoustic values are only valid for the described measurement set-up and may vary depending on the installation situation.  
In case of any deviation to the standard setup, the values have to be checked and reviewed once installed or fitted.  
For detailed information see [http://www.ebmpapst.com/general\\_conditions](http://www.ebmpapst.com/general_conditions)

Rotor protrusion max. 0.4 mm.

