

max. 180 m³/h

## AC axial fans

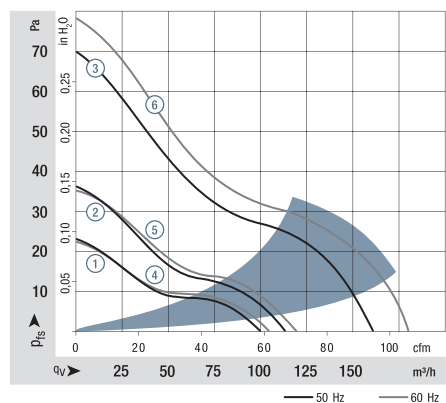
□ 119 x 38 mm



- **Material:** Housing: Die-cast aluminium  
Impeller: Painted sheet steel
- **Direction of air flow:** Exhaust over struts
- **Direction of rotation:** Clockwise, seen on rotor
- **Connection:** Via 2 flat plugs 2,8 x 0,5 mm  
grounding lug for M4 x 8
- **Mass:** 540 g
- **Note:** Please note our new ACmaxx series. With identical mounting dimensions and voltages, this series achieves higher energy efficiency. See page 192.
- **Possible special versions:** (See page 12)
  - Speed signal
  - Humidity protection
  - Salt fog protection
  - Degree of protection: IP 54 / IP 68

| Series 4000 Z |  |          |          |                 |           |                      |                   |                                         |             |               |                   |                                          |                     |
|---------------|--|----------|----------|-----------------|-----------|----------------------|-------------------|-----------------------------------------|-------------|---------------|-------------------|------------------------------------------|---------------------|
| Nominal data  |  | Air flow | Air flow | Nominal voltage | Frequency | Sound pressure level | Sound power level | Sinter sleeve bearings<br>Ball bearings | Input power | Nominal speed | Temperature range | Service life L <sub>10</sub><br>at 40 °C | at T <sub>max</sub> |
| Type          |  | m³/h     | cfm      | VAC             | Hz        | dB(A)                | Bel(A)            | □/■                                     | Watts       | rpm           | °C                | Hours                                    | Hours               |
| 4850 Z        |  | 100      | 59       | 230             | 50        | 26                   | 4,0               | □                                       | 13,0        | 1 700         | -10...+65         | 50 000 / 27 500                          | ①                   |
| 4856 Z        |  | 100      | 59       | 230             | 50        | 26                   | 4,0               | ■                                       | 13,0        | 1 700         | -40...+75         | 50 000 / 20 000                          | ①                   |
| 4580 Z        |  | 115      | 68       | 230             | 50        | 30                   | 4,3               | □                                       | 13,0        | 1 900         | -10...+65         | 50 000 / 27 500                          | ②                   |
| 4586 Z        |  | 115      | 68       | 230             | 50        | 30                   | 4,3               | ■                                       | 13,0        | 1 900         | -40...+75         | 50 000 / 20 000                          | ②                   |
| 4650 Z        |  | 160      | 94       | 230             | 50        | 40                   | 5,3               | □                                       | 19,0        | 2 650         | -10...+50         | 37 500 / 30 000                          | ③                   |
| 4656 Z        |  | 160      | 94       | 230             | 50        | 40                   | 5,3               | ■                                       | 19,0        | 2 650         | -40...+75         | 37 500 / 17 500                          | ③                   |
| 4800 Z        |  | 105      | 62       | 115             | 60        | 28                   | 4,1               | □                                       | 12,0        | 1 800         | -10...+70         | 52 500 / 25 000                          | ④                   |
| 4806 Z        |  | 105      | 62       | 115             | 60        | 28                   | 4,1               | ■                                       | 12,0        | 1 800         | -40...+75         | 52 500 / 17 500                          | ④                   |
| 4530 Z        |  | 120      | 71       | 115             | 60        | 32                   | 4,4               | □                                       | 12,0        | 2 000         | -10...+70         | 52 500 / 25 000                          | ⑤                   |
| 4536 Z        |  | 120      | 71       | 115             | 60        | 32                   | 4,4               | ■                                       | 12,0        | 2 000         | -40...+75         | 52 500 / 17 500                          | ⑤                   |
| 4600 Z        |  | 180      | 106      | 115             | 60        | 45                   | 5,6               | □                                       | 18,0        | 3 100         | -10...+60         | 40 000 / 25 000                          | ⑥                   |
| 4606 Z        |  | 180      | 106      | 115             | 60        | 45                   | 5,6               | ■                                       | 18,0        | 3 100         | -40...+85         | 40 000 / 15 000                          | ⑥                   |

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>

