

Max. 180 m<sup>3</sup>/h

## AC axial fans

□ 119 x 38 mm

Information

DC axial fans

DC centrifugal fans

DC fans - specials

ACmaxx / EC fans

AC axial fans

AC centrifugal fans

Accessories

Representatives

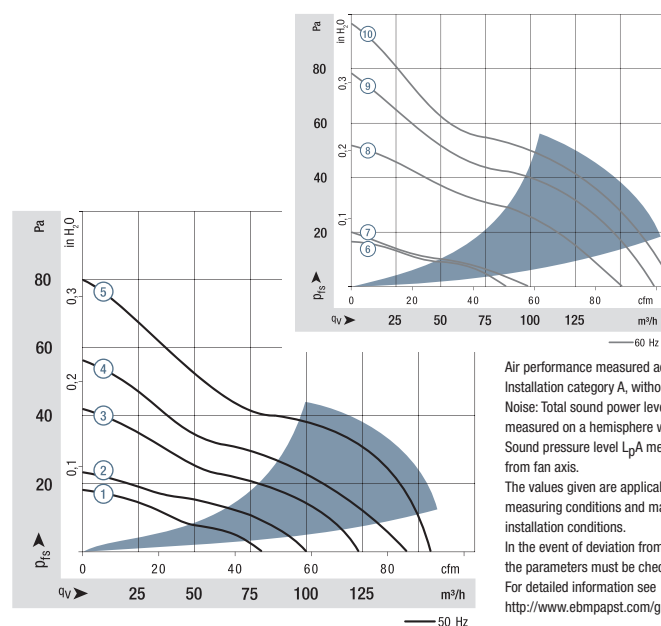


- **Material:** Housing: Die-cast aluminum  
Impeller: painted sheet steel
- **Direction of air flow:** Intake over struts  
Types 4890 N and 4840 N  
Exhaust over struts
- **Direction of rotation:** Clockwise,  
looking towards rotor
- **Connection:** Via 2 flat plugs 2.8 x 0.5 mm  
grounding lug for M4
- **Weight:** 550 g
- **Note:** Please note our new ACmaxx series. With identical mounting dimensions and voltages, this series achieves greater energy efficiency. See page 192.
- **Available as an option:** Versions with reinforced mounting flanges and exposed external single wires.
- **Possible special versions:** (See page 12)
  - Speed signal
  - Moisture protection
  - Salt spray protection
  - Degree of protection: IP 54 / IP 65

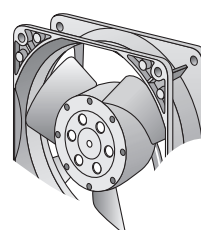
### Series 4000 N

| Nominal data | Air flow          | Air flow | Nominal voltage | Frequency | Sound pressure level | Sound power level | Sinter sleeve bearings<br>Ball bearings | Power consumption | Nominal speed     | Temperature range | Service life L <sub>10</sub><br>at 40 °C | at T <sub>max</sub> | Curve |
|--------------|-------------------|----------|-----------------|-----------|----------------------|-------------------|-----------------------------------------|-------------------|-------------------|-------------------|------------------------------------------|---------------------|-------|
| Type         | m <sup>3</sup> /h | cfm      | VAC             | Hz        | dB(A)                | Bel(A)            | □ / ■                                   | Watts             | rpm <sup>-1</sup> | °C                | Hours                                    | Hours               |       |
| 4890 N       | 80                | 47.0     | 230             | 50        | 25                   | 4.0               | □                                       | 11.0              | 1 550             | -10...+70         | 55 000 / 27 500                          |                     | ①     |
| 4850 N*      | 100               | 58.8     | 230             | 50        | 32                   | 4.4               | □                                       | 10.0              | 1 800             | -10...+70         | 57 500 / 27 500                          |                     | ②     |
| 4580 N*      | 123               | 72.3     | 230             | 50        | 41                   | 5.2               | □                                       | 18.0              | 2 350             | -10...+55         | 40 000 / 27 500                          |                     | ③     |
| 4550 N*      | 145               | 85.2     | 230             | 50        | 44                   | 5.4               | □                                       | 16.5              | 2 550             | -10...+55         | 42 500 / 30 000                          |                     | ④     |
| 4650 N       | 160               | 94.1     | 230             | 50        | 46                   | 5.4               | □                                       | 19.0              | 2 650             | -10...+55         | 37 500 / 27 500                          |                     | ⑤     |
| 4656 N       | 160               | 94.1     | 230             | 50        | 47                   | 5.5               | ■                                       | 19.0              | 2 650             | -40...+85         | 37 500 / 15 000                          |                     | ⑤     |
| 4840 N       | 85                | 50.0     | 115             | 60        | 26                   | 4.1               | □                                       | 10.0              | 1 650             | -10...+75         | 57 500 / 25 000                          |                     | ⑥     |
| 4800 N*      | 97                | 57.0     | 115             | 60        | 32                   | 4.3               | □                                       | 9.0               | 1 750             | -10...+75         | 60 000 / 27 500                          |                     | ⑦     |
| 4530 N*      | 151               | 88.8     | 115             | 60        | 45                   | 5.4               | □                                       | 16.0              | 2 700             | -10...+65         | 42 500 / 25 000                          |                     | ⑧     |
| 4500 N*      | 169               | 100      | 115             | 60        | 48                   | 5.7               | □                                       | 15.0              | 3 000             | -10...+65         | 47 500 / 25 000                          |                     | ⑨     |
| 4600 N       | 180               | 106      | 115             | 60        | 50                   | 5.7               | □                                       | 18.0              | 3 100             | -10...+60         | 40 000 / 25 000                          |                     | ⑩     |
| 4606 N       | 180               | 106      | 115             | 60        | 51                   | 5.8               | ■                                       | 18.0              | 3 100             | -40...+90         | 40 000 / 15 000                          |                     | ⑩     |

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>



\* Fan with 3 blades.

