

Max. 61 m³/h

## AC axial fans

□ 80 x 38 mm



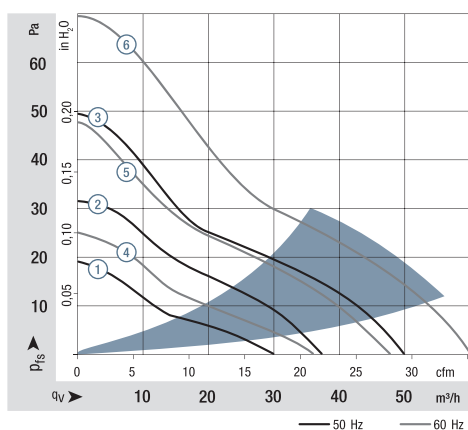
- **Material:** Housing: Die-cast aluminum  
Impeller: painted sheet steel
- **Direction of air flow:** Exhaust over struts
- **Direction of rotation:** Clockwise, looking towards rotor
- **Connection:** Via 2 single wires  
grounding lug for M4 x 8
- **Weight:** 490 g
- **Note:** Please note our new ACmaxx series.  
With identical mounting dimensions and voltages,  
this series achieves greater energy efficiency.  
See page 188.
- **Possible special versions:**  
(See page 12)
  - Moisture protection
  - Salt spray protection
  - Degree of protection: IP 54 / IP 65

### Series 8000 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         | m³/h     | cfm      | VAC             | Hz        | dB(A)                | Bel(A)            | □ / ■                                   | Watts             | rpm <sup>-1</sup> | °C                | Hours                                    | Hours               |       |
| 8880 N       | 30       | 17.7     | 230             | 50        | 18                   | 3.3               | □                                       | 9.0               | 1 750             | -10...+80         | 60 000 / 25 000                          |                     | ①     |
| 8850 N       | 37       | 21.8     | 230             | 50        | 24                   | 3.9               | □                                       | 12.5              | 2 150             | -10...+70         | 52 500 / 25 000                          |                     | ②     |
| 8550 N       | 50       | 29.4     | 230             | 50        | 30                   | 4.4               | □                                       | 12.0              | 2 700             | -10...+70         | 52 500 / 25 000                          |                     | ③     |
| 8556 N       | 50       | 29.4     | 230             | 50        | 31                   | 4.5               | ■                                       | 12.0              | 2 800             | -40...+90         | 52 500 / 15 000                          |                     | ③     |
| 8830 N       | 36       | 21.2     | 115             | 60        | 21                   | 3.7               | □                                       | 8.0               | 1 950             | -10...+80         | 62 500 / 25 000                          |                     | ④     |
| 8800 N       | 47       | 27.7     | 115             | 60        | 28                   | 4.3               | □                                       | 11.0              | 2 500             | -10...+70         | 55 000 / 27 500                          |                     | ⑤     |
| 8500 N       | 61       | 35.9     | 115             | 60        | 34                   | 4.8               | □                                       | 11.0              | 3 200             | -10...+75         | 55 000 / 25 000                          |                     | ⑥     |
| 8506 N       | 61       | 35.9     | 115             | 60        | 35                   | 5.0               | ■                                       | 11.0              | 3 300             | -40...+95         | 55 000 / 15 000                          |                     | ⑥     |

Subject to change

| Fan type |        |        |        |        | Length "L"  | Connection wires |
|----------|--------|--------|--------|--------|-------------|------------------|
| 8880 N   | 8830 N | 8800 N | 8550 N | 8500 N | 310 mm long | AWG 18, TR 64    |
| 8556 N   | 8506 N |        |        |        | 310 mm long | AWG 22           |
| 8850 N   |        |        |        |        | 440 mm long | AWG 18, TR 64    |



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>

