

max. 237 m<sup>3</sup>/h

## DC axial fans

□ 119 x 38 mm

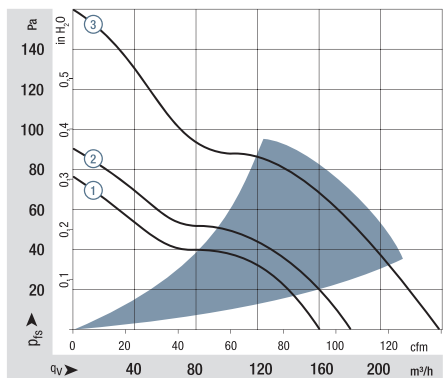


- **Material:** Housing: Die-cast aluminium  
Impeller: GRP<sup>1)</sup> (PA)
- **Direction of air flow:** Intake over struts
- **Direction of rotation:** Clockwise, seen on rotor
- **Connection:** On flat connectors, 2.8 x 0.5 mm  
Also available with wires as an option
- **Highlights:** Housing with grounding lug for screw M4 x 8 (Torx)
- **Mass:** 390 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 4100 N |          |                   |                 |               |                      |                   |   |             |               |                   |  |  |  |       |
|---------------|----------|-------------------|-----------------|---------------|----------------------|-------------------|---|-------------|---------------|-------------------|--|--|--|-------|
| 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>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 |
|               | Type     | m <sup>3</sup> /h |                 |               |                      |                   |   |             |               |                   |  |  |  |       |
| 4182 NGX      | 160      | 94                | 12              | 6...15        | 44                   | 5,3               | □                                       | 3,7         | 2 800         | -20...+75         | 85 000 / 37 500  | 142 500  | 142 500  | ①     |
| 4182 NX       | 180      | 106               | 12              | 6...15        | 49                   | 5,7               | ■                                       | 4,9         | 3 200         | -30...+75         | 85 000 / 37 500  | 142 500  | 142 500  | ②     |
| 4182 NXH      | 237      | 140               | 12              | 7...14        | 57                   | 6,5               | ■                                       | 11,0        | 4 400         | -30...+55         | 70 000 / 50 000  | 117 500  | 117 500  | ③     |
| 4184 NGX      | 160      | 94                | 24              | 12...31,5     | 44                   | 5,3               | □                                       | 3,3         | 2 800         | -20...+75         | 85 000 / 37 500  | 142 500  | 142 500  | ①     |
| 4184 NXM      | 160      | 94                | 24              | 12...31,5     | 44                   | 5,3               | ■                                       | 3,2         | 2 800         | -30...+75         | 85 000 / 37 500  | 142 500  | 142 500  | ①     |
| 4184 NX       | 180      | 106               | 24              | 12...31,5     | 49                   | 5,7               | ■                                       | 4,9         | 3 200         | -30...+70         | 85 000 / 42 500  | 142 500  | 142 500  | ②     |
| 4184 NXH      | 237      | 140               | 24              | 12...28       | 57                   | 6,5               | ■                                       | 11,0        | 4 400         | -30...+70         | 70 000 / 35 000  | 117 500  | 117 500  | ③     |
| 4188 NGX      | 160      | 94                | 48              | 36...60       | 44                   | 5,3               | □                                       | 3,6         | 2 800         | -20...+75         | 85 000 / 37 500  | 142 500  | 142 500  | ①     |
| 4188 NXM      | 160      | 94                | 48              | 36...60       | 44                   | 5,3               | ■                                       | 3,5         | 2 800         | -30...+75         | 85 000 / 37 500  | 142 500  | 142 500  | ①     |

Subject to alterations



Air performance measured as per: ISO 5801, installation category A, without accidental contact.  
Noise: Total sound power level L<sub>w</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)

