

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

# DC axial fans

Series 4100 N 119 x 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 / No-go alarm
  - Alarm with limit speed
  - External temperature sensor
  - Internal temperature sensor
  - PWM control input
  - Analogue control input
  - Protection against moisture
  - Protection against salt fog
  - Type of protection: IP 54 / IP 68

1) Fibreglass-reinforced plastic

| 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 |
|--------------|-------------------|-----|-----------------|---------------|----------------------|-------------------|---|-------------|---------------|-------------------|--|--|--|-------|
|              | m <sup>3</sup> /h | CFM |                 |               |                      |                   |   |             |               |                   |  |  |  |       |
| 4182 NGX     | 160               | 94  | 12              | 6...15        | 44                   | 5,3               | □                                       | 3,7         | 2 800         | -20...+75         | 85 000 / 37 500  | 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  | ②  |       |
| 4182 NXH     | 237               | 140 | 12              | 7...14        | 57                   | 6,5               | ■                                       | 11,0        | 4 400         | -30...+55         | 70 000 / 50 000  | 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  | ①  |       |
| 4184 NXM     | 160               | 94  | 24              | 12...31,5     | 44                   | 5,3               | ■                                       | 3,2         | 2 800         | -30...+75         | 85 000 / 37 500  | 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  | ②  |       |
| 4184 NXH     | 237               | 140 | 24              | 12...28       | 57                   | 6,5               | ■                                       | 11,0        | 4 400         | -30...+70         | 70 000 / 35 000  | 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  | ①  |       |
| 4188 NXM     | 160               | 94  | 48              | 36...60       | 44                   | 5,3               | ■                                       | 3,5         | 2 800         | -30...+75         | 85 000 / 37 500  | 142 500  | ①  |       |

Subject to alternations

