Max. 237 m³/h

# DC axial fans

☐ 119 x 38 mm



- **Material:** Housing: Die-cast aluminum
  Impeller: GRP[1] (PA)
- **Direction of air flow:** Intake over struts
- **Direction of rotation:** Clockwise, looking towards 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)
- **Weight:** 390 g

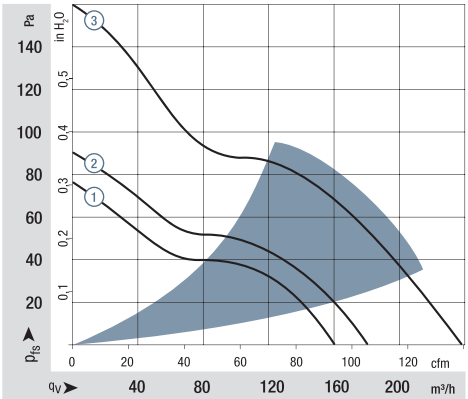
- **Possible special versions:**
  (See chapter DC fans - specials)
  - Speed signal
  - Go / NoGo alarm
  - Alarm with speed limit
  - External temperature sensor
  - Internal temperature sensor
  - PWM control input
  - Analog control input
  - Moisture protection
  - Salt spray protection
  - Degree of protection: IP 54 / IP 68

1) Fiberglass-reinforced plastic

Series 4100 N
VUC0119YUJBS

| Nominal data | Air flow | Air flow | Nominal voltage | Voltage range | Sound pressure level | Sound power level | Sintec sleeve bearings / Ball bearings | Power consumption | Nominal speed | Temperature range | Service life $L_{10}$ (40 °C) ebm-papst standard / Service life $L_{10}$ ($T_{max}$) ebm-papst standard | Life expectancy $L_{10IPC}$ (40 °C) see page 15 | Curve |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Type** | **m³/h** | **cfm** | **VDC** | **VDC** | **dB(A)** | **Bel(A)** | □ / ■ | **Watts** | **rpm⁻¹** | **°C** | **Hours** | **Hours** | |
| 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 change




Air performance measured according to: ISO 5801.
Installation category A, without contact protection.
Noise: Total sound power level $L_{WA}$ ISO 10302 measured on a hemisphere with a radius of 2 m.
Sound pressure level $L_{pA}$ 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

