

Max. 79 m³/h

DC axial fans

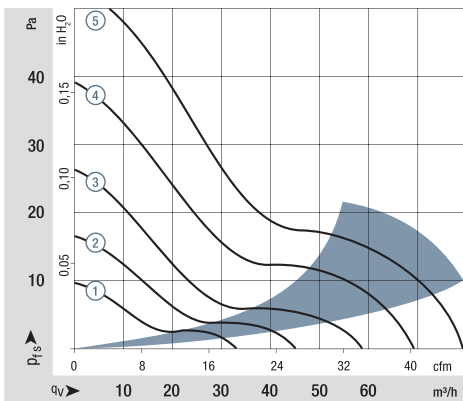
□ 80 x 25 mm



- **Material:** Housing: GRP¹⁾ (PBT)
Impeller: GRP¹⁾ (PA)
 - **Direction of air flow:** Exhaust over struts
 - **Direction of rotation:** Counterclockwise, looking towards rotor
 - **Connection:** Via single wires AWG 24, TR 64
 - **Highlights:** Some models are suitable for use at high ambient temperatures up to 85 °C.
 - **Weight:** 95 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
 - Degree of protection: IP 54 / IP 68

1) Fiberglass-reinforced plastic

| Series 8400 N | | | | | | | | | | | | | | |
|---------------|-------------------|------|-----------------|---------------|----------------------|-------------------|---|-------------------|---------------|-------------------|--|--|--|-------|
| Nominal data | Air flow | | Nominal voltage | Voltage range | Sound pressure level | Sound power level | Sinter 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 ₁₀ IPC (40 °C) see page 17 | Curve |
| | m ³ /h | cfm | | | | | | | | | | | | |
| 8412 NGL | 33 | 19.4 | 12 | 8...15 | 12 | 3.5 | □ | 0.5 | 1 500 | -20...+85 | 80 000 / 27 500 | 135 000 | ① | |
| 8412 NLE | 33 | 19.4 | 12 | 8...15 | 17 | 3.7 | ■ | 0.3 | 1 500 | -20...+85 | 80 000 / 27 500 | 135 000 | ① | |
| 8412 NGMLE | 45 | 26.5 | 12 | 8...15 | 19 | 3.9 | □ | 0.9 | 2 050 | -20...+80 | 80 000 / 32 500 | 135 000 | ② | |
| 8412 NMLE | 45 | 26.5 | 12 | 8...15 | 21 | 4.0 | ■ | 0.6 | 2 050 | -20...+85 | 80 000 / 27 500 | 135 000 | ② | |
| 8412 NGME | 58 | 34.1 | 12 | 8...15 | 26 | 4.3 | □ | 1.4 | 2 600 | -20...+75 | 80 000 / 35 000 | 135 000 | ③ | |
| 8412 NME | 58 | 34.1 | 12 | 8...15 | 27 | 4.4 | ■ | 1.0 | 2 600 | -20...+75 | 80 000 / 35 000 | 135 000 | ③ | |
| 8412 NG | 69 | 40.6 | 12 | 8...15 | 32 | 4.7 | □ | 2.0 | 3 100 | -20...+70 | 70 000 / 35 000 | 117 500 | ④ | |
| 8412 N | 69 | 40.6 | 12 | 8...15 | 32 | 4.7 | ■ | 1.7 | 3 100 | -20...+70 | 70 000 / 35 000 | 117 500 | ④ | |
| 8412 NH | 79 | 46.5 | 12 | 8...13.2 | 37 | 5.0 | ■ | 2.1 | 3 600 | -20...+70 | 70 000 / 35 000 | 117 500 | ⑤ | |
| 8412 NH-217 | 79 | 46.5 | 12 | 8...15 | 37 | 5.0 | ■ | 2.5 | 3 600 | -20...+70 | 70 000 / 35 000 | 117 500 | ⑤ | |
| 8414 NGL | 33 | 19.4 | 24 | 18...28 | 12 | 3.5 | □ | 0.9 | 1 500 | -20...+70 | 80 000 / 40 000 | 135 000 | ① | |
| 8414 NL | 33 | 19.4 | 24 | 18...28 | 17 | 3.7 | ■ | 0.8 | 1 500 | -20...+70 | 80 000 / 40 000 | 135 000 | ① | |
| 8414 NGML | 45 | 26.5 | 24 | 18...28 | 19 | 3.9 | □ | 1.2 | 2 050 | -20...+70 | 80 000 / 40 000 | 135 000 | ② | |
| 8414 NML | 45 | 26.5 | 24 | 18...28 | 21 | 4.0 | ■ | 1.1 | 2 050 | -20...+70 | 80 000 / 40 000 | 135 000 | ② | |
| 8414 NGM | 58 | 34.1 | 24 | 18...28 | 26 | 4.3 | □ | 1.4 | 2 600 | -20...+70 | 80 000 / 40 000 | 135 000 | ③ | |
| 8414 NM | 58 | 34.1 | 24 | 18...28 | 27 | 4.4 | ■ | 1.4 | 2 600 | -20...+70 | 80 000 / 40 000 | 135 000 | ③ | |
| 8414 NG | 69 | 40.6 | 24 | 18...28 | 32 | 4.7 | □ | 2.2 | 3 100 | -20...+70 | 70 000 / 35 000 | 117 500 | ④ | |
| 8414 N | 69 | 40.6 | 24 | 18...28 | 32 | 4.7 | ■ | 1.8 | 3 100 | -20...+70 | 70 000 / 35 000 | 117 500 | ④ | |
| 8414 NH | 79 | 46.5 | 24 | 18...26 | 37 | 5.0 | ■ | 2.4 | 3 600 | -20...+70 | 70 000 / 35 000 | 117 500 | ⑤ | |
| 8414 NH-221 | 79 | 46.5 | 24 | 18...28 | 37 | 5.0 | ■ | 2.2 | 3 600 | -20...+70 | 70 000 / 35 000 | 117 500 | ⑤ | |
| 8418 N | 69 | 40.6 | 48 | 36...56 | 32 | 4.7 | ■ | 2.0 | 3 100 | -20...+70 | 70 000 / 35 000 | 117 500 | ④ | |



Air performance measured according to: ISO 5801.
Installation category A, without contact protection.
Noise: Total sound power level L_{WA} ISO 103002 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>

