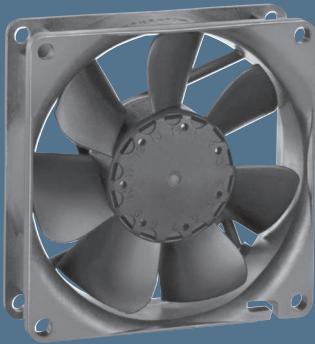


max. 79 m³/h

DC axial fans

Series 8400 N 80 x 80 x 25 mm



Highlights:

- Ball bearings and sleeve bearings available.
- Some models suitable for use at high ambient temperatures up to 85 °C.

General characteristics:

- Material: fibreglass-reinforced plastic. Impeller PA, housing PBT.
- Fully integrated electronic commutation.
- Protected against reverse polarity and locking.
- Connection via single strands AWG 24, TR 64. Bared and tin-plated.
- Air exhaust over struts. Direction of rotation counter-clockwise, seen on rotor.
- Mass: 95 g.

| Nominal data | Air flow | | Nominal voltage | Voltage range | Sound pressure level | Sound power level | Sinter sleeve bearings | | Power input | 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 ^Δ (40 °C) see P. 15 | Curve | Specials |
|--------------|----------|-------------------|-----------------|---------------|----------------------|-------------------|------------------------|-----|-------------|---------------|-------------------|--|--|---|-------|----------|
| | Type | m ³ /h | | | | | CFM | VDC | | | | | | | | |
| 8412 NGL | 33 | 19,4 | 12 | 8...15 | 12 | 3,5 | □ | 0,5 | 1 500 | -20...+85 | 80 000 / 27 500 | 160 000 | 1 | /2 | | |
| 8412 NLE | 33 | 19,4 | 12 | 8...15 | 17 | 3,7 | ■ | 0,3 | 1 500 | -20...+85 | 80 000 / 27 500 | 160 000 | 1 | | | |
| 8412 NGMLE | 45 | 26,5 | 12 | 8...15 | 19 | 3,9 | □ | 0,9 | 2 050 | -20...+80 | 80 000 / 32 500 | 160 000 | 2 | | | |
| 8412 NMLE | 45 | 26,5 | 12 | 8...15 | 21 | 4,0 | ■ | 0,6 | 2 050 | -20...+85 | 80 000 / 27 500 | 160 000 | 2 | | | |
| 8412 NGME | 58 | 34,1 | 12 | 8...15 | 26 | 4,3 | □ | 1,4 | 2 600 | -20...+75 | 80 000 / 35 000 | 160 000 | 3 | /2 | | |
| 8412 NME | 58 | 34,1 | 12 | 8...15 | 27 | 4,4 | ■ | 1,0 | 2 600 | -20...+75 | 80 000 / 35 000 | 160 000 | 3 | | | |
| 8412 NG | 69 | 40,6 | 12 | 8...15 | 32 | 4,7 | □ | 2,0 | 3 100 | -20...+70 | 70 000 / 35 000 | 140 000 | 4 | /2 | | |
| 8412 N | 69 | 40,6 | 12 | 8...15 | 32 | 4,7 | ■ | 2,0 | 3 100 | -20...+70 | 70 000 / 35 000 | 140 000 | 4 | /2 | | |
| 8412 NH | 79 | 46,5 | 12 | 8...13,2 | 37 | 5,0 | ■ | 2,2 | 3 600 | -20...+70 | 70 000 / 35 000 | 140 000 | 5 | /2/12 | | |
| 8412 NH-217 | 79 | 46,5 | 12 | 8...15 | 37 | 5,0 | ■ | 2,4 | 3 600 | -20...+70 | 70 000 / 35 000 | 140 000 | 5 | | | |
| 8414 NGL | 33 | 19,4 | 24 | 18...28 | 12 | 3,5 | □ | 0,7 | 1 500 | -20...+70 | 80 000 / 40 000 | 160 000 | 1 | /2 | | |
| 8414 NL | 33 | 19,4 | 24 | 18...28 | 17 | 3,7 | ■ | 0,7 | 1 500 | -20...+70 | 80 000 / 40 000 | 160 000 | 1 | | | |
| 8414 NGML | 45 | 26,5 | 24 | 18...28 | 19 | 3,9 | □ | 1,1 | 2 050 | -20...+70 | 80 000 / 40 000 | 160 000 | 2 | | | |
| 8414 NML | 45 | 26,5 | 24 | 18...28 | 21 | 4,0 | ■ | 1,1 | 2 050 | -20...+70 | 80 000 / 40 000 | 160 000 | 2 | | | |
| 8414 NGM | 58 | 34,1 | 24 | 18...28 | 26 | 4,3 | □ | 1,4 | 2 600 | -20...+70 | 80 000 / 40 000 | 160 000 | 3 | /2 | | |
| 8414 NM | 58 | 34,1 | 24 | 18...28 | 27 | 4,4 | ■ | 1,4 | 2 600 | -20...+70 | 80 000 / 40 000 | 160 000 | 3 | | | |
| 8414 NG | 69 | 40,6 | 24 | 18...28 | 32 | 4,7 | □ | 2,0 | 3 100 | -20...+70 | 70 000 / 35 000 | 140 000 | 4 | /2 | | |
| 8414 N | 69 | 40,6 | 24 | 18...28 | 32 | 4,7 | ■ | 2,0 | 3 100 | -20...+70 | 70 000 / 35 000 | 140 000 | 4 | /2 | | |
| 8414 NH | 79 | 46,5 | 24 | 18...26 | 37 | 5,0 | ■ | 2,4 | 3 600 | -20...+70 | 70 000 / 35 000 | 140 000 | 5 | /2 | | |
| 8414 NH-221 | 79 | 46,5 | 24 | 18...28 | 37 | 5,0 | ■ | 2,4 | 3 600 | -20...+70 | 70 000 / 35 000 | 140 000 | 5 | | | |
| 8418 N | 69 | 40,6 | 48 | 36...56 | 32 | 4,7 | ■ | 2,0 | 3 100 | -20...+70 | 70 000 / 35 000 | 140 000 | 4 | | | |

