

# DC Axial Fans

Series 8400 N 80 x 80 x 25 mm



- DC fans with electronically commutated external rotor motor. Fully integrated commutation electronics.
- With electronic protection against reverse polarity, locked rotor and overloading; partially impedance protected.
- Fan of fibreglass reinforced plastic. PBTP housing, PA impeller.
- Air exhaust over struts. Rotational direction CCW looking at rotor.
- Optional Vario-Pro: Highly adaptable software configuration of the fan enables a tailor-made solution to the specific requirements of your applications.
- Electrical connection via leads AWG 24, TR 64. Stripped and tinned ends.
- Mass 95 g.

| Nominal Data | Air Flow | Air Flow | Nominal Voltage | Voltage Range | Noise |     | Sinter-Sleeve Bearings<br>Ball Bearings | Power Input | Nominal Speed     | Temperature Range | Service Life L <sub>10</sub><br>at 40 °C | at t <sub>max</sub> | Curve   | Specials |
|--------------|----------|----------|-----------------|---------------|-------|-----|-----------------------------------------|-------------|-------------------|-------------------|------------------------------------------|---------------------|---------|----------|
| Type         | m³/h     | CFM      | V DC            | V DC          | dB(A) | Bel | □ / ■                                   | Watt        | min <sup>-1</sup> | °C                | Hours                                    | Hours               |         |          |
| 8412 NGL     | 33       | 19.4     | 12              | 8...15        | 12    | 3.5 | □                                       | 0.5         | 1 500             | -20...+85         | 80 000 / 27 500                          | 1                   | /2      |          |
| 8412 NLE     | 33       | 19.4     | 12              | 8...15        | 17    | 3.7 | ■                                       | 0.3         | 1 500             | -20...+85         | 80 000 / 27 500                          | 1                   |         |          |
| 8412 NGMLE   | 45       | 26.5     | 12              | 8...15        | 19    | 3.9 | □                                       | 0.9         | 2 050             | -20...+80         | 80 000 / 32 500                          | 2                   | /2      |          |
| 8412 NMLE    | 45       | 26.5     | 12              | 8...15        | 21    | 4.0 | ■                                       | 0.6         | 2 050             | -20...+85         | 80 000 / 27 500                          | 2                   |         |          |
| 8412 NGME    | 58       | 34.1     | 12              | 8...15        | 26    | 4.3 | □                                       | 1.4         | 2 600             | -20...+75         | 80 000 / 35 000                          | 3                   | /2      |          |
| 8412 NME     | 58       | 34.1     | 12              | 8...15        | 27    | 4.4 | ■                                       | 1.0         | 2 600             | -20...+75         | 80 000 / 35 000                          | 3                   |         |          |
| 8412 NG      | 69       | 40.6     | 12              | 8...15        | 32    | 4.7 | □                                       | 2.0         | 3 100             | -20...+70         | 70 000 / 35 000                          | 4                   | /2      |          |
| 8412 N       | 69       | 40.6     | 12              | 8...15        | 32    | 4.7 | ■                                       | 2.0         | 3 100             | -20...+70         | 70 000 / 35 000                          | 4                   | /2      |          |
| 8412 NH      | 79       | 46.5     | 12              | 8...13.2      | 37    | 5.0 | ■                                       | 2.2         | 3 600             | -20...+70         | 70 000 / 35 000                          | 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                          | 5                   |         |          |
| 8414 NGL     | 33       | 19.4     | 24              | 18...28       | 12    | 3.5 | □                                       | 0.7         | 1 500             | -20...+70         | 80 000 / 40 000                          | 1                   | /2      |          |
| 8414 NL      | 33       | 19.4     | 24              | 18...28       | 17    | 3.7 | ■                                       | 0.7         | 1 500             | -20...+70         | 80 000 / 40 000                          | 1                   |         |          |
| 8414 NGML    | 45       | 26.5     | 24              | 18...28       | 19    | 3.9 | □                                       | 1.1         | 2 050             | -20...+70         | 80 000 / 40 000                          | 2                   |         |          |
| 8414 NML     | 45       | 26.5     | 24              | 18...28       | 21    | 4.0 | ■                                       | 1.1         | 2 050             | -20...+70         | 80 000 / 40 000                          | 2                   |         |          |
| 8414 NGM     | 58       | 34.1     | 24              | 18...28       | 26    | 4.3 | □                                       | 1.4         | 2 600             | -20...+70         | 80 000 / 40 000                          | 3                   | /2      |          |
| 8414 NM      | 58       | 34.1     | 24              | 18...28       | 27    | 4.4 | ■                                       | 1.4         | 2 600             | -20...+70         | 80 000 / 40 000                          | 3                   |         |          |
| 8414 NG      | 69       | 40.6     | 24              | 18...28       | 32    | 4.7 | □                                       | 2.0         | 3 100             | -20...+70         | 70 000 / 35 000                          | 4                   | /2      |          |
| 8414 N       | 69       | 40.6     | 24              | 18...28       | 32    | 4.7 | ■                                       | 2.0         | 3 100             | -20...+70         | 70 000 / 35 000                          | 4                   | /2      |          |
| 8414 NH      | 79       | 46.5     | 24              | 18...26       | 37    | 5.0 | ■                                       | 2.4         | 3 600             | -20...+70         | 70 000 / 35 000                          | 5                   | /2      |          |
| 8414 NH-221  | 79       | 46.5     | 24              | 18...28       | 37    | 5.0 | ■                                       | 2.4         | 3 600             | -20...+70         | 70 000 / 35 000                          | 5                   |         |          |
| 8418 N       | 69       | 40.6     | 48              | 36...56       | 32    | 4.7 | ■                                       | 2.0         | 3 100             | -20...+70         | 70 000 / 35 000                          | 4                   |         |          |

