

max. 285 m<sup>3</sup>/h

## DC axial fans

Series 4400 119 x 119 x 38 mm



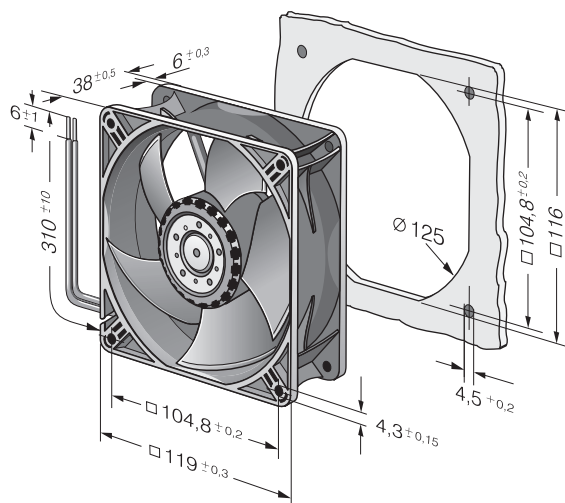
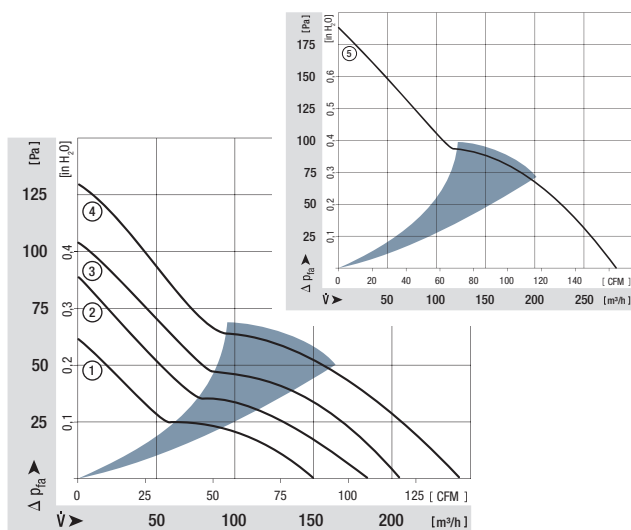
### Highlights:

- Innovative impeller with winglets for low noise.
- Control inputs, alarm and speed signals available on request.
- High-speed version with 5000 rpm, standard models available with /2 and PWM.

**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 clockwise, seen on rotor.
- Mass: 270 g.

| Nominal data |                   | Air flow | Air flow | Nominal voltage | Voltage range | Sound pressure level | Sound power level | Sinter sleeve bearings<br>Ball bearings | Power input | 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<br>L <sub>10</sub> Δ (40 °C) see P. 15 | Curve | Specials |
|--------------|-------------------|----------|----------|-----------------|---------------|----------------------|-------------------|-----------------------------------------|-------------|---------------|-------------------|------------------------------------------------------------|------------------------------------------------------------------------|--------------------------------------------------------|-------|----------|
| Type         | m <sup>3</sup> /h | CFM      | VDC      | VDC             | dB(A)         | Bel(A)               | ■ / ■             | Watts                                   | RPM         | °C            |                   | Hours                                                      | Hours                                                                  |                                                        |       | P. 110   |
| 4412 L       | 150               | 88,3     | 12       | 7...14          | 37            | 5,0                  | ■                 | 2,5                                     | 2 700       | -20...+70     |                   | 67 500 / 35 000                                            | 140 000                                                                | 1                                                      |       |          |
| 4412 M       | 184               | 108,3    | 12       | 7...14          | 42            | 5,3                  | ■                 | 4,2                                     | 3 300       | -20...+70     |                   | 65 000 / 32 500                                            | 130 000                                                                | 2                                                      |       |          |
| 4412 N       | 205               | 120,7    | 12       | 7...14          | 46            | 5,6                  | ■                 | 5,5                                     | 3 650       | -20...+70     |                   | 62 500 / 30 000                                            | 120 000                                                                | 3                                                      | /2    |          |
| 4412 H       | 240               | 141,3    | 12       | 7...14          | 50            | 6,0                  | ■                 | 8,9                                     | 4 300       | -20...+70     |                   | 57 500 / 27 500                                            | 110 000                                                                | 4                                                      | /2    |          |
| 4412 /2 HHP  | 285               | 167,7    | 12       | 7...14,5        | 55            | 6,4                  | ■                 | 13,0                                    | 5 000       | -20...+70     |                   | 50 000 / 25 000                                            | 100 000                                                                | 5                                                      | /2    |          |
|              |                   |          |          |                 |               |                      |                   |                                         |             |               |                   |                                                            |                                                                        |                                                        |       |          |
| 4414 L       | 150               | 88,3     | 24       | 18...28         | 37            | 5,0                  | ■                 | 2,5                                     | 2 700       | -20...+70     |                   | 67 500 / 35 000                                            | 140 000                                                                | 1                                                      |       |          |
| 4414 M       | 184               | 108,3    | 24       | 18...28         | 42            | 5,3                  | ■                 | 4,0                                     | 3 300       | -20...+70     |                   | 65 000 / 32 500                                            | 130 000                                                                | 2                                                      |       |          |
| 4414 N       | 205               | 120,7    | 24       | 18...28         | 46            | 5,6                  | ■                 | 5,2                                     | 3 650       | -20...+70     |                   | 62 500 / 30 000                                            | 120 000                                                                | 3                                                      |       |          |
| 4414 H       | 240               | 141,3    | 24       | 18...28         | 50            | 6,0                  | ■                 | 8,6                                     | 4 300       | -20...+70     |                   | 57 500 / 27 500                                            | 110 000                                                                | 4                                                      | /2    |          |
| 4414 HH      | 285               | 164,8    | 24       | 16...28         | 55            | 6,4                  | ■                 | 14,0                                    | 5 000       | -20...+70     |                   | 50 000 / 25 000                                            | 100 000                                                                | 5                                                      |       |          |
| 4414 /2 HHP  | 285               | 167,7    | 24       | 18...28         | 55            | 6,4                  | ■                 | 12,0                                    | 5 000       | -20...+70     |                   | 50 000 / 25 000                                            | 100 000                                                                | 5                                                      | /2    |          |
|              |                   |          |          |                 |               |                      |                   |                                         |             |               |                   |                                                            |                                                                        |                                                        |       |          |
| 4418 L       | 150               | 88,3     | 48       | 36...60         | 37            | 5,0                  | ■                 | 2,5                                     | 2 700       | -20...+70     |                   | 67 500 / 35 000                                            | 140 000                                                                | 1                                                      |       |          |
| 4418 M       | 184               | 108,3    | 48       | 36...60         | 42            | 5,3                  | ■                 | 4,2                                     | 3 300       | -20...+70     |                   | 65 000 / 32 500                                            | 130 000                                                                | 2                                                      |       |          |
| 4418 N       | 205               | 120,7    | 48       | 36...60         | 46            | 5,6                  | ■                 | 5,2                                     | 3 650       | -20...+70     |                   | 62 500 / 30 000                                            | 120 000                                                                | 3                                                      |       |          |
| 4418 H       | 240               | 141,3    | 48       | 36...60         | 50            | 6,0                  | ■                 | 8,6                                     | 4 300       | -20...+70     |                   | 57 500 / 27 500                                            | 110 000                                                                | 4                                                      | /2    |          |
| 4418 /2 HHP  | 285               | 167,7    | 48       | 36...60         | 55            | 6,4                  | ■                 | 13,5                                    | 5 000       | -20...+70     |                   | 50 000 / 25 000                                            | 100 000                                                                | 5                                                      | /2    |          |



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