

max. 324 m<sup>3</sup>/h

# DC diagonal fans

Series DV 5200 127 x 127 x 38 mm



### Highlights:

- Diagonal fan with lower operating noise at high pressures.
- Very rigid compression curve for high air flow at high back pressure.
- Optional Vario-Pro: Highly adaptable software configuration of the fan enables a tailor-made solution to the specific requirements of your applications.
- DV 5214 /2HP with PWM control input and speed signal, additional inputs and outputs on request.

### General characteristics:

- Material: housing of fibreglass-reinforced plastic, optionally of aluminium. Metal flange. Impeller of fibreglass-reinforced plastic PA; housing with grounding lug for screw M4 x 8 (Torx).
- Fully integrated electronic commutation. Protected against reverse polarity and locking.
- Connection via single strands AWG 22, TR 64, bared and tin-plated.
- Air exhaust over struts. Direction of rotation counter-clockwise, seen on rotor.
- Mass: 415 g (with metal housing: 490 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 L <sub>10</sub> Δ<br>(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  | Hours  | P. 110 |          |
| DV 5212 N   |  | 270               | 158,9    | 12              | 9...15        | 56                   | 6,4               | ■                                       | 21,0        | 5 000         | -20...+65         | 70 000 / 40 000  | 142 500  | 142 500  | 1      | /2       |
| DV 5214 N   |  | 270               | 158,9    | 24              | 16...30       | 56                   | 6,4               | ■                                       | 20,4        | 5 000         | -20...+65         | 70 000 / 40 000  | 142 500  | 142 500  | 1      | /2       |
| DV 5218 N   |  | 270               | 158,9    | 48              | 36...60       | 56                   | 6,4               | ■                                       | 18,5        | 5 000         | -20...+65         | 70 000 / 40 000  | 142 500  | 142 500  | 1      | /2       |
| <b>Model comes standard with speed signal and PWM control input. Other versions by request.</b> |  |                   |          |                 |               |                      |                   |   |             |               |                   |  |  |  |        |          |
| DV 5214 /2HP  |  | 320               | 188,2    | 24              | 16...30       | 62                   | 7,2               | ■                                       | 38,5        | 6 000         | -20...+65         | 62 500 / 35 000  | 125 000*   | 125 000*   | 2      |          |

Speed control range from 1000 RPM up to maximum nominal speed. Stationary at 0 % PWM, maximum speed at sensor break.

