

max. 324 m³/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 | | Nominal voltage | Voltage range | Sound pressure level | Sound power level | Sinter sleeve bearings Ball 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 |
|--|-------------------|-------|-----------------|---------------|----------------------|-------------------|---|-------------|---------------|-------------------|--|--|--|-------|----------|
| | m ³ /h | CFM | | | | | | | | | | | | | |
| DV 5212 N | 270 | 158,9 | 12 | 9...15 | 56 | 6,4 | ■ | 21,0 | 5 000 | -20...+65 | 70 000 / 40 000 | 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 | 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 | 1 | /2 | |
| Model comes standard with speed signal and PWM control input. Other versions by request. | | | | | | | | | | | | | | | |
| DV 5214 /2HP | 320 | 188,2 | 24 | 16...30 | 62 | 7,2 | ■ | 38,5 | 6 000 | -20...+65 | 62 500 / 35 000 | 125 000* | 2 | | |

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

