

max. 280 m³/h

DC axial fans

Series 3200 J 92 x 92 x 38 mm



Highlights:

- Very rigid compression curve for high air flow at high back pressure.
- Innovative impeller with winglets for low noise.
- Optional Vario-Pro: Highly adaptable software configuration of the fan enables a tailor-made solution to the specific requirements of your applications.

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 (H3 and H4: AWG 22), TR 64. Bared and tin-plated.
- Air exhaust over struts. Direction of rotation clockwise, seen on rotor.
- Mass: 240 g (H3 and H4: 280 g).

| Nominal data | | Air flow | 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 |
|--------------|----------------|-------------------|----------|-----------------|---------------|----------------------|-------------------|---|-------------|---------------|-------------------|--|--|--|--------|----------|
| Type | | m ³ /h | CFM | VDC | VDC | dB(A) | Bel(A) | ■ / ■ | Watts | RPM | °C | Hours | Hours | | P. 110 | |
| 3212 JN | | 130 | 76,5 | 12 | 7...13,8 | 51 | 6,1 | ■ | 7,5 | 6 000 | -20 ...+70 | 70 000 / 35 000 | 140 000 | 1 | /2 | |
| 3212 JH | | 146 | 86,0 | 12 | 7...15 | 55 | 6,4 | ■ | 9,0 | 6 800 | -20 ...+70 | 70 000 / 35 000 | 140 000 | 2 | /2 | |
| 3212 JH3 | <i>S-Force</i> | 237 | 139,5 | 12 | 6...13,8 | 69 | 7,8 | ■ | 30,0 | 11 000 | -20 ...+70 | 65 000 / 32 500 | 130 000 | 3 | /2 | |
| 3212 JH4 | <i>S-Force</i> | 280 | 164,8 | 12 | 6...13,8 | 73 | 8,2 | ■ | 50,0 | 13 000 | -20 ...+70 | 60 000 / 30 000 | 120 000 | 4 | /2 | |
| 3214 JN | | 130 | 76,5 | 24 | 11...28 | 51 | 6,1 | ■ | 8,0 | 6 000 | -20 ...+70 | 70 000 / 35 000 | 140 000 | 1 | | |
| 3214 JH | | 146 | 86,0 | 24 | 11...30 | 55 | 6,4 | ■ | 9,0 | 6 800 | -20 ...+70 | 70 000 / 35 000 | 140 000 | 2 | /2 | |
| 3214 JH3 | <i>S-Force</i> | 237 | 139,5 | 24 | 12...27,6 | 69 | 7,8 | ■ | 30,0 | 11 000 | -20 ...+70 | 65 000 / 32 500 | 130 000 | 3 | /2 | |
| 3214 JH4 | <i>S-Force</i> | 280 | 164,8 | 24 | 12...27,6 | 73 | 8,2 | ■ | 50,0 | 13 000 | -20 ...+70 | 60 000 / 30 000 | 120 000 | 4 | | |
| 3218 JN | | 130 | 76,5 | 48 | 36...56 | 51 | 6,1 | ■ | 7,0 | 6 000 | -20 ...+70 | 70 000 / 35 000 | 140 000 | 1 | | |
| 3218 JH | | 146 | 86,0 | 48 | 36...53 | 55 | 6,4 | ■ | 9,5 | 6 800 | -20 ...+70 | 70 000 / 35 000 | 140 000 | 2 | | |
| 3218 JH3 | <i>S-Force</i> | 237 | 139,5 | 48 | 20...58,0 | 69 | 7,8 | ■ | 30,0 | 11 000 | -20 ...+70 | 65 000 / 32 500 | 130 000 | 3 | /2 | |
| 3218 JH4 | <i>S-Force</i> | 280 | 164,8 | 48 | 20...58,0 | 73 | 8,2 | ■ | 50,0 | 13 000 | -20 ...+70 | 60 000 / 30 000 | 120 000 | 4 | | |

3200 JH3 and JH4 also as standard with PWM control input and speed signal.
Speed control range from 2000 RPM up to maximum nominal speed. Stationary at 0 % PWM, maximum speed at sensor break.

