Max. 280 m³/h

DC axial fans

☐ 92 x 38 mm



- **Material:** Housing: GRP[1] (PBT)
  Impeller: GRP[1] (PA)
- **Direction of air flow:** Exhaust over struts
- **Direction of rotation:** Clockwise, looking towards rotor
- **Connection:** Via single wires AWG 24 (H3 and H4: AWG 22), TR 64
- **Weight:** 240 g (H3 and H4: 280 g)

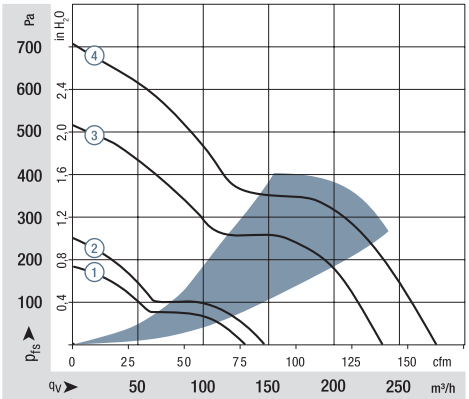
- **Possible special versions:**
  (See chapter DC fans - specials)
  - Speed signal
  - Go / NoGo alarm
  - Alarm with speed limit
  - External temperature sensor
  - Internal temperature sensor
  - PWM control input
  - Analog control input
  - Moisture protection
  - Degree of protection: IP 54 / IP 68

1) Fiberglass-reinforced plastic

Series 3200 J **Nominal data**	Air flow	Air flow	**Nominal voltage**	Voltage range	Sound pressure level	Sound power level	Sintec sleeve bearings Ball bearings	Power consumption*	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_{10IPC} (40 °C) see page 17	Curve
Type	**m³/h**	**cfm**	**VDC**	**VDC**	**dB(A)**	**Bel(A)**	□ / ■	**Watts**	**rpm⁻¹**	**°C**	**Hours**	**Hours**	
3212 JN	130	76.5	**12**	7...13.8	51	6.1	■	7.5	6 000	-20 ...+70	70 000 / 35 000	117 500	①
3212 JH	146	86.0	**12**	7...15	55	6.4	■	9.0	6 800	-20 ...+70	70 000 / 35 000	117 500	②
3212 JH3 *S-Force*	237	139.5	**12**	6...13.8	69	7.8	■	31.0*	11 000	-20 ...+70	65 000 / 32 500	110 000	③
3212 JH4 *S-Force*	280	164.8	**12**	6...13.8	73	8.2	■	50.0*	13 000	-20 ...+70	60 000 / 30 000	110 000	④
3214 JN	130	76.5	**24**	11...28	51	6.1	■	6.5	6 000	-20 ...+70	70 000 / 35 000	117 500	①
3214 JH	146	86.0	**24**	12...30	55	6.4	■	9.0	6 800	-20 ...+70	70 000 / 35 000	117 500	②
3214 JH3 *S-Force*	237	139.5	**24**	12...27.6	69	7.8	■	30.0*	11 000	-20 ...+70	65 000 / 32 500	110 000	③
3214 JH4 *S-Force*	280	164.8	**24**	12...27.6	73	8.2	■	50.0*	13 000	-20 ...+70	60 000 / 30 000	110 000	④
3218 JN	130	76.5	**48**	36...56	51	6.1	■	7.0	6 000	-20 ...+70	70 000 / 35 000	117 500	①
3218 JH	146	86.0	**48**	36...53	55	6.4	■	9.5	6 800	-20 ...+70	70 000 / 35 000	117 500	②
3218 JH3 *S-Force*	237	139.5	**48**	20...58.0	69	7.8	■	29.0*	11 000	-20 ...+70	65 000 / 32 500	110 000	③
3218 JH4 *S-Force*	280	164.8	**48**	20...58.0	73	8.2	■	50.0*	13 000	-20 ...+70	60 000 / 30 000	110 000	④

Subject to change

3200 JH3 and JH4 also available as standard with PWM control input and speed signal.
Speed control range from 2000 rpm⁻¹ up to maximum nominal speed. Standstill at 0% PWM, maximum speed if control cable is interrupted.
* Power consumption at free air flow. These values can be significantly higher in the operating point.



Air performance measured according to: ISO 5801.
Installation category A, without contact protection.
Noise: Total sound power level L_{WA} ISO 103002 measured on a hemisphere with a radius of 2 m.
Sound pressure level L_{pA} measured at 1 m distance from fan axis.
The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions.
In the event of deviation from the standard configuration, the parameters must be checked after installation!
For detailed information see
http://www.ebmpapst.com/general conditions

