

max. 280 m³/h

DC axial fans

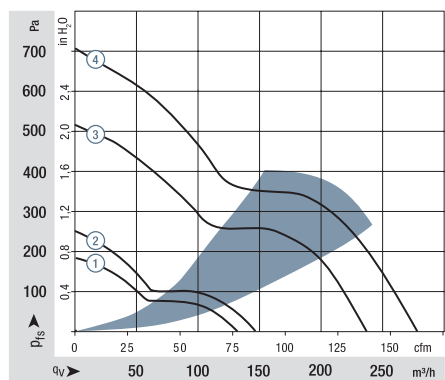
□ 92 x 38 mm



- **Material:** Housing: GRP¹⁾ (PBT)
Impeller: GRP¹⁾ (PA)
 - **Direction of air flow:** Exhaust over struts
 - **Direction of rotation:** Clockwise, seen on rotor
 - **Connection:** Via single wires AWG 24
(H3 and H4: AWG 22), TR 64
 - **Mass:** 240 g (H3 and H4: 280 g)
- **Possible special versions:**
(See chapter DC fans - specials)
 - Speed signal
 - Go- / NoGo-alarm
 - Alarm with limit speed
 - External temperature sensor
 - Internal temperature sensor
 - PWM control input
 - Analog control input
 - Humidity protection
 - Degree of protection: IP 54 / IP 68

1) Fibreglass-reinforced plastic

Series 3200 J															
Nominal data		Air flow	Air flow	Nominal voltage	Voltage range	Sound pressure level	Sound power level	Sinter sleeve bearings Ball bearings	Input power*	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 IPC (40 °C) see page 17	Curve
Type		m³/h	cfm	VDC	VDC	dB(A)	Bel(A)	■ / ■	Watts	rpm	°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 <i>S-Force</i>		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 <i>S-Force</i>		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 <i>S-Force</i>		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 <i>S-Force</i>		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 <i>S-Force</i>		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 <i>S-Force</i>		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 alterations		3200 JH3 and JH4 also available as standard with PWM control input and speed signal. Speed control range from 2000 rpm up to maximum speed. Standstill at 0 % PWM, maximum speed if control wire is interrupted. * Input power at free air flow, these values can be significantly higher in the operating point.													



Air performance measured as per: ISO 5801,
Installation category A, without accidental contact.
Noise: Total sound power level L_{WA} ISO 103002
measured on half-sphere of 2 m;
Sound pressure level L_{pA} measured at 1 m distance to fan axis.
The acoustic values are only valid for the described measurement
set-up and may vary depending on the installation situation.
In case of any deviation to the standard setup, the values have
to be checked and reviewed once installed or fitted.
For detailed information see
<http://www.ebmpapst.com/general-conditions>

