

Max. 222 m<sup>3</sup>/h

## DC axial fans

□ 80 x 38 mm

Information

DC axial fans

DC centrifugal fans

DC fans - specials

ACmaxx / EC fans

AC axial fans

AC centrifugal fans

Accessories

Representatives



- **Material:** Housing: GRP<sup>1)</sup> (PBT)  
Impeller: GRP<sup>1)</sup> (PA)
  - **Direction of air flow:** Exhaust over struts
  - **Direction of rotation:** Counterclockwise, looking towards rotor
  - **Connection:** Via single wires AWG 24 (H3 and H4: AWG 22), TR 64
  - **Weight:** 160 g (H3 and H4: 200 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

1) Fiberglass-reinforced plastic

### Series 8200 J

#### Nominal data

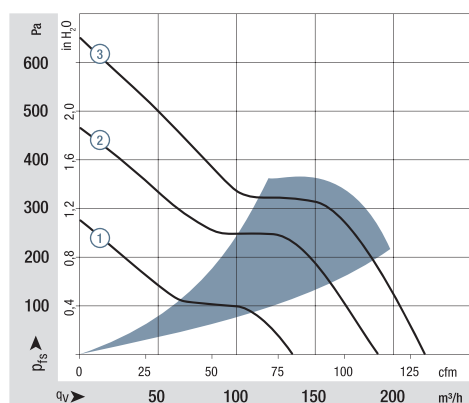
|                         | Air flow          | Air flow | Nominal voltage | Voltage range | Sound pressure level | Sound power level | Sinter sleeve bearings | Power consumption | Nominal speed     | Temperature range | Service life L <sub>10</sub> (40 °C) | Service life L <sub>10</sub> (T <sub>max</sub> ) | Life expectancy L <sub>10</sub> IPC | Curve |
|-------------------------|-------------------|----------|-----------------|---------------|----------------------|-------------------|------------------------|-------------------|-------------------|-------------------|--------------------------------------|--------------------------------------------------|-------------------------------------|-------|
| Type                    | m <sup>3</sup> /h | cfm      | VDC             | VDC           | dB(A)                | Bel(A)            | ■ / ■                  | Watts             | rpm <sup>-1</sup> | °C                | Hours                                | Hours                                            | Hours                               |       |
| 8212 JN                 | 132               | 78       | 12              | 7...13.8      | 55                   | 6.6               | ■                      | 10                | 8 400             | -20...+70         | 62 500 / 32 500                      | 105 000                                          | 105 000                             | ①     |
| 8212 JH3 <i>S-Force</i> | 190               | 112      | 12              | 6...13.8      | 66                   | 7.3               | ■                      | 26*               | 12 000            | -20...+70         | 55 000 / 27 500                      | 92 500                                           | 92 500                              | ②     |
| 8212 JH4 <i>S-Force</i> | 222               | 131      | 12              | 6...13.8      | 71                   | 7.8               | ■                      | 39*               | 14 000            | -20...+70         | 50 000 / 25 000                      | 85 000                                           | 85 000                              | ③     |
| 8214 JN                 | 132               | 78       | 24              | 18...26.4     | 55                   | 6.6               | ■                      | 11                | 8 400             | -20...+70         | 62 500 / 32 500                      | 105 000                                          | 105 000                             | ①     |
| 8214 JH3 <i>S-Force</i> | 190               | 112      | 24              | 12...27.6     | 66                   | 7.3               | ■                      | 26*               | 12 000            | -20...+70         | 55 000 / 27 500                      | 92 500                                           | 92 500                              | ②     |
| 8214 JH4 <i>S-Force</i> | 222               | 131      | 24              | 12...27.6     | 71                   | 7.8               | ■                      | 38*               | 14 000            | -20...+70         | 50 000 / 25 000                      | 85 000                                           | 85 000                              | ③     |
| 8218 JN                 | 132               | 78       | 48              | 36...53       | 55                   | 6.6               | ■                      | 11                | 8 400             | -20...+70         | 62 500 / 32 500                      | 105 000                                          | 105 000                             | ①     |
| 8218 JH3 <i>S-Force</i> | 190               | 112      | 48              | 36...53       | 66                   | 7.3               | ■                      | 25*               | 12 000            | -20...+70         | 55 000 / 27 500                      | 92 500                                           | 92 500                              | ②     |
| 8218 JH4 <i>S-Force</i> | 222               | 131      | 48              | 20...58       | 71                   | 7.8               | ■                      | 36*               | 14 000            | -20...+70         | 50 000 / 25 000                      | 85 000                                           | 85 000                              | ③     |

Subject to change

8200 JH3 and JH4 also available as standard with PWM control input and speed signal.

Speed control range from 2000 rpm<sup>-1</sup> 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<sub>WA</sub> ISO 103002 measured on a hemisphere with a radius of 2 m.  
Sound pressure level L<sub>pA</sub> 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>

