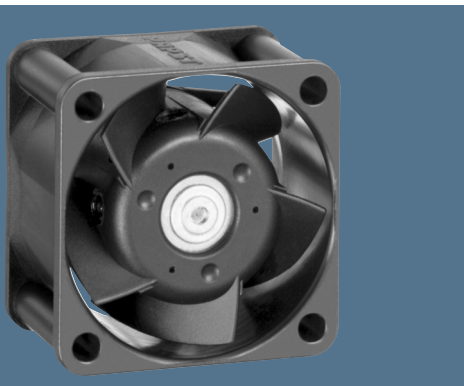


max. 24 m<sup>3</sup>/h

# DC axial fans

Series 400 J 40 x 40 x 25 mm



- Highlights:
- Very rigid compression curve for high air flow at high back pressure.
  - Low operating noise level at high back pressure.
- 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 26, TR 64. Bared and tin-plated.
  - Air exhaust over struts. Direction of rotation counter-clockwise, seen on rotor.
  - Mass: 50 g.

| Nominal data |  | Air flow          | Air flow | Nominal voltage | Voltage range | Sound pressure level | Sound power level | Sinter sleeve bearings<br>Ball bearings | Power input | Nominal speed | Temperature range | Service life L <sub>10</sub> (40 °C)<br>ebm-papst Standard | Service life L <sub>10</sub> (T <sub>max</sub> )<br>ebm-papst Standard | Life expectancy L <sub>10</sub> Δ<br>(40 °C) see P. 15 | Curve  | Specials |
|--------------|--|-------------------|----------|-----------------|---------------|----------------------|-------------------|-----------------------------------------|-------------|---------------|-------------------|------------------------------------------------------------|------------------------------------------------------------------------|--------------------------------------------------------|--------|----------|
| Type         |  | m <sup>3</sup> /h | CFM      | VDC             | VDC           | dB(A)                | Bel(A)            | ■ / ■                                   | Watts       | RPM           | °C                | Hours                                                      | Hours                                                                  |                                                        | P. 110 |          |
| 412 J        |  | 19                | 11,2     | 12              | 8...14        | 39                   | 5,5               | ■                                       | 2,4         | 10 300        | -20...+70         | 60 000 / 30 000                                            | 120 000                                                                |                                                        | 1      |          |
| 412 JH       |  | 22                | 12,9     | 12              | 8...13,5      | 43                   | 5,8               | ■                                       | 3,0         | 11 700        | -20...+70         | 60 000 / 30 000                                            | 120 000                                                                |                                                        | 2      | /2       |
| 412 JHH      |  | 24                | 14,1     | 12              | 8...13,5      | 46                   | 6,1               | ■                                       | 3,3         | 13 000        | -20...+60         | 57 500 / 35 000                                            | 110 000                                                                |                                                        | 3      | /2       |
| 414 J        |  | 19                | 11,2     | 24              | 18...27       | 39                   | 5,5               | ■                                       | 2,4         | 10 300        | -20...+70         | 60 000 / 30 000                                            | 120 000                                                                |                                                        | 1      |          |
| 414 JH       |  | 22                | 12,9     | 24              | 18...27       | 43                   | 5,8               | ■                                       | 3,0         | 11 700        | -20...+70         | 60 000 / 30 000                                            | 120 000                                                                |                                                        | 2      | /2       |
| 414 JHH      |  | 24                | 14,1     | 24              | 18...27       | 46                   | 6,1               | ■                                       | 3,6         | 13 000        | -20...+60         | 57 500 / 35 000                                            | 110 000                                                                |                                                        | 3      | /2       |

