

max. 67 m<sup>3</sup>/h

## DC axial fans

Series 620 60 x 60 x 25 mm



### Highlights:

- Very rigid compression curve for high air flow at high back pressure.
- Motor with very low structure-borne noise.
- Innovative impeller with winglets for low noise.
- Control inputs, alarm and speed signals available on request.

### 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 22, TR 64. Bared and tin-plated.
- Air exhaust over struts. Direction of rotation clockwise, seen on rotor.
- Mass: 85 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> <sup>Δ</sup><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   |
| 622 L         |  | 21                | 12,4     | 12              | 8...15        | 20                   | 3,7               | ■                                       | 0,5         | 3 200         | -20...+85         | 80 000 / 20 000                                            | 160 000                                                                | 1                                                                 |       |          |
| 622 M         |  | 30                | 17,7     | 12              | 8...15        | 29                   | 4,3               | ■                                       | 1,0         | 4 550         | -20...+75         | 77 500 / 30 000                                            | 150 000                                                                | 2                                                                 |       |          |
| 622 N         |  | 40                | 23,5     | 12              | 8...15        | 35                   | 4,7               | ■                                       | 1,9         | 6 100         | -20...+70         | 72 500 / 35 000                                            | 140 000                                                                | 3                                                                 | /2    |          |
| 622 H         |  | 46                | 27,1     | 12              | 8...15        | 39                   | 5,1               | ■                                       | 2,3         | 6 850         | -20...+70         | 70 000 / 35 000                                            | 140 000                                                                | 4                                                                 |       |          |
| 622 HH        |  | 56                | 33,0     | 12              | 8...15        | 43                   | 5,6               | ■                                       | 3,5         | 8 200         | -20...+70         | 65 000 / 32 500                                            | 130 000                                                                | 5                                                                 |       |          |
| NEW 622 /2H3P |  | 67                | 39,4     | 12              | 8...13,2      | 48                   | 5,9               | ■                                       | 6,3         | 9 700         | -20...+60         | 52 500 / 32 500                                            | 105 000                                                                | 6                                                                 |       |          |
| 624 L         |  | 21                | 12,4     | 24              | 18...28       | 20                   | 3,7               | ■                                       | 1,0         | 3 200         | -20...+70         | 80 000 / 40 000                                            | 160 000                                                                | 1                                                                 |       |          |
| 624 M         |  | 30                | 17,7     | 24              | 12...28       | 29                   | 4,3               | ■                                       | 1,5         | 4 550         | -20...+70         | 77 500 / 37 500                                            | 150 000                                                                | 2                                                                 |       |          |
| 624 N         |  | 40                | 23,5     | 24              | 12...28       | 35                   | 4,7               | ■                                       | 2,2         | 6 100         | -20...+70         | 72 500 / 35 000                                            | 140 000                                                                | 3                                                                 |       |          |
| 624 H         |  | 46                | 27,1     | 24              | 18...28       | 39                   | 5,1               | ■                                       | 2,4         | 6 850         | -20...+70         | 70 000 / 35 000                                            | 140 000                                                                | 4                                                                 |       |          |
| 624 HH        |  | 56                | 33,0     | 24              | 18...28       | 43                   | 5,6               | ■                                       | 3,6         | 8 200         | -20...+70         | 65 000 / 32 500                                            | 130 000                                                                | 5                                                                 | /2    |          |
| NEW 624 /2H3P |  | 67                | 39,4     | 24              | 18...28       | 48                   | 5,9               | ■                                       | 5,8         | 9 700         | -20...+60         | 52 500 / 32 500                                            | 105 000                                                                | 6                                                                 |       |          |
| 628 HH        |  | 56                | 33,0     | 48              | 36...56       | 43                   | 5,6               | ■                                       | 4,2         | 8 200         | -20...+70         | 65 000 / 32 500                                            | 130 000                                                                | 5                                                                 | /2    |          |

