

max. 480 m<sup>3</sup>/h

# DC Axial Fans

Series 6200 N 172 Ø x 51 mm



## Highlights:

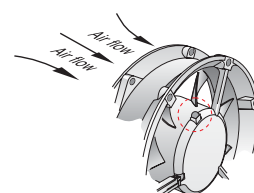
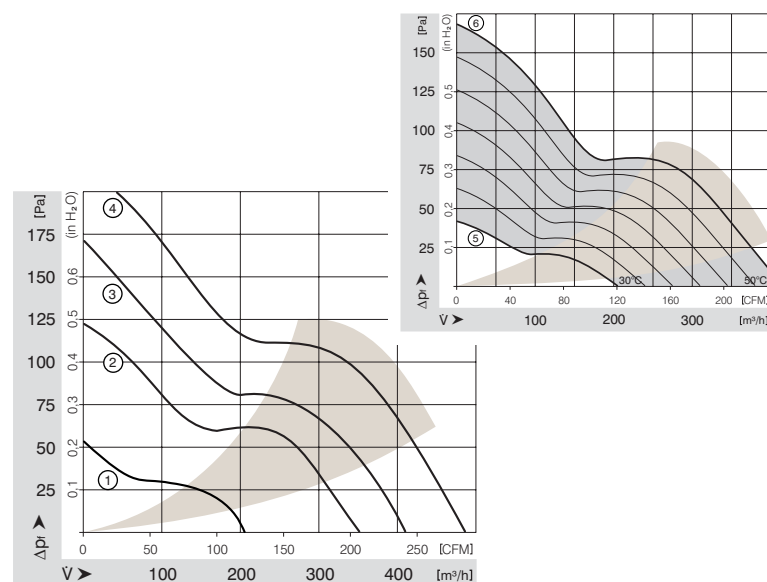
- VARIOFAN models available with external temperature sensor.
- Optional Vario-Pro: Highly adaptable software configuration of the fan enables a tailor-made solution to the specific requirements of your applications.

## General characteristics:

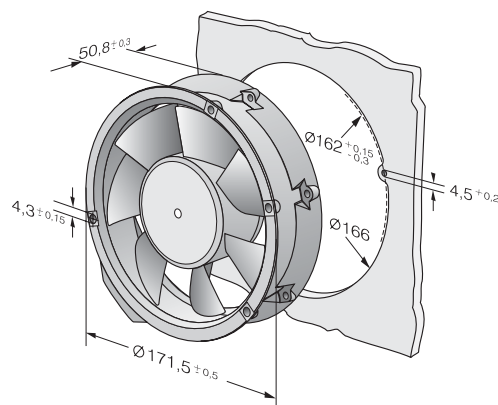
- Material: aluminium housing, fiberglass-reinforced PA impeller; housing with grounding lug for screw M4 x 8 (Torx). 48 V version incl. screws.
- Fully integrated electronic commutation.
- Protected against reverse polarity and blocking.
- Electrical connection with flat pin terminals 3 x 0.5 mm. Optional: Version with leads.
- Blowing over struts. Rotational direction CCW looking at rotor.
- Mass: 820 g.

| Nominal Data                                                 |         | Air Flow          | Air Flow | Nominal Voltage | Voltage Range | Noise | Sound Power | 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<br>L <sub>10</sub> Δ (40 °C) | Curve   | Specials |
|--------------------------------------------------------------|---------|-------------------|----------|-----------------|---------------|-------|-------------|-----------------------------------------|-------------|-------------------|-------------------|------------------------------------------------------------|------------------------------------------------------------------------|----------------------------------------------|---------|----------|
| Type                                                         |         | m <sup>3</sup> /h | CFM      | V DC            | V DC          | dB(A) | Bel         | □/■                                     | Watt        | min <sup>-1</sup> | °C                | Hours                                                      | Hours                                                                  | Hours                                        |         |          |
| 6212 NM                                                      |         | 350               | 206.0    | 12              | 8...15        | 50    | 5.7         | ■                                       | 12.0        | 2 850             | -20...+72         | 80 000 / 37 500                                            | 157 500                                                                | 2                                            |         |          |
| 6224 NM                                                      |         | 350               | 206.0    | 24              | 12...32       | 50    | 5.7         | ■                                       | 12.0        | 2 850             | -20...+72         | 80 000 / 37 500                                            | 157 500                                                                | 2                                            | /12     |          |
| 6224 N                                                       |         | 410               | 241.3    | 24              | 12...28       | 55    | 6.1         | ■                                       | 18.0        | 3 400             | -20...+72         | 75 000 / 35 000                                            | 125 000                                                                | 3                                            | 2/12/19 |          |
| 6224 NH                                                      |         | 480               | 282.5    | 24              | 12...28       | 61    | 6.9         | ■                                       | 26.0        | 4 000             | -20...+55*        | 70 000 / 50 000                                            | 110 000                                                                | 4                                            |         |          |
| 6248 NL                                                      |         | 205               | 120.7    | 48              | 28...60       | 35    | 4.5         | ■                                       | 4.0         | 1 700             | -20...+72         | 86 000 / 40 000                                            | 167 500                                                                | 1                                            |         |          |
| 6248 NM                                                      |         | 350               | 206.0    | 48              | 28...60       | 50    | 5.7         | ■                                       | 11.5        | 2 850             | -20...+72         | 80 000 / 37 500                                            | 157 500                                                                | 2                                            |         |          |
| 6248 N                                                       |         | 410               | 241.3    | 48              | 28...60       | 55    | 6.1         | ■                                       | 17.0        | 3 400             | -20...+72         | 75 000 / 35 000                                            | 125 000                                                                | 3                                            | 2/12    |          |
| 6248 NH                                                      |         | 480               | 282.5    | 48              | 36...56       | 61    | 6.9         | ■                                       | 26.0        | 4 000             | -20...+55*        | 70 000 / 50 000                                            | 110 000                                                                | 4                                            |         |          |
| VARIOFAN – DC fans with temperature-dependent speed control. |         |                   |          |                 |               |       |             |                                         |             |                   |                   |                                                            |                                                                        |                                              |         |          |
| 30 °C                                                        | 6224 NT | 205               | 120.7    | 24              | 12...28       | 35    | 4.5         | ■                                       | 8.5         | 1 700             | -10...+72         | 77 500 / 35 000                                            | 125 000                                                                | 5                                            |         |          |
| 50 °C                                                        |         | 410               | 241.3    |                 |               | 55    | 6.1         |                                         | 18.0        | 3 400             |                   |                                                            |                                                                        |                                              |         |          |
| 30 °C                                                        | 6248 NT | 205               | 120.7    | 48              | 28...60       | 35    | 4.5         | ■                                       | 8.5         | 1 700             | -10...+72         | 77 500 / 35 000                                            | 125 000                                                                | 5                                            |         |          |
| 50 °C                                                        |         | 410               | 241.3    |                 |               | 55    | 6.1         |                                         | 17.0        | 3 400             |                   |                                                            |                                                                        |                                              |         |          |

\* 72 °C upon on request.



Temperature sensor (NTC-resistor) for controlling the motor speed is positioned directly in the air flow.



ebmpapst

