

max. 338 m<sup>3</sup>/h

# DC axial fans

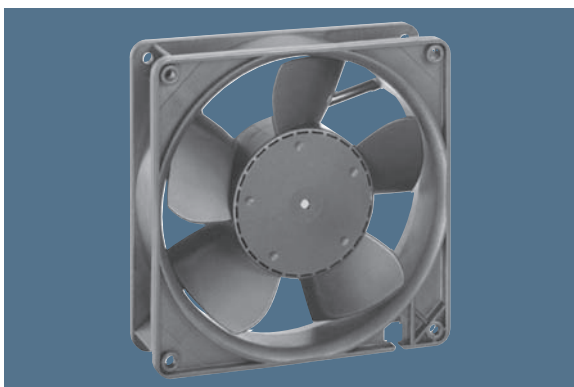
Series 5200 N 127 x 127 x 38 mm

## Highlights:

- Optional Vario-Pro: Highly adaptable software configuration of the fan enables a tailor-made solution to the specific requirements of your applications.

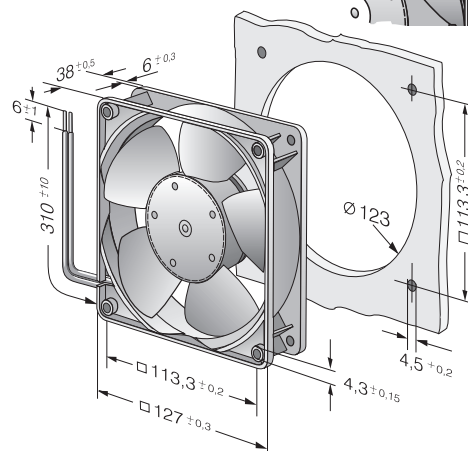
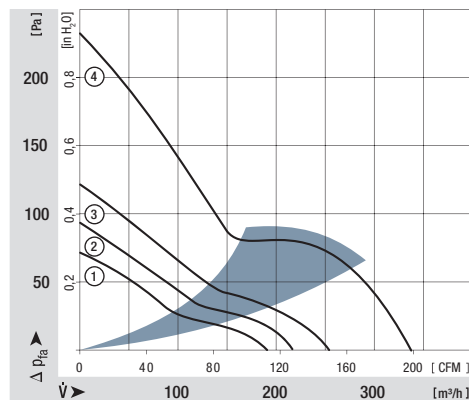
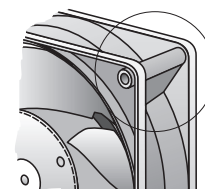
## General characteristics:

- Material: 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 counter-clockwise, seen on rotor.
- Mass: 310 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                                                                  | Hours                                                  |       | P. 110   |
| 5212 NM      |  | 187               | 110,1    | 12              | 7...14,5      | 43                   | 5,3               | ■                                       | 4,6         | 2 750         | -20...+75         | 62 500 / 27 500                                            | 122 500                                                                | 1                                                      |       |          |
| 5212 NN      |  | 216               | 127,1    | 12              | 7...14        | 46                   | 5,6               | ■                                       | 6,0         | 3 150         | -20...+75         | 57 500 / 25 000                                            | 112 500                                                                | 2                                                      |       |          |
| 5212 NH      |  | 252               | 148,3    | 12              | 7...14        | 51                   | 6,0               | ■                                       | 9,8         | 3 650         | -20...+70         | 45 000 / 22 500                                            | 90 000                                                                 | 3                                                      |       |          |
| 5212 NHH*    |  | 340               | 200,0    | 12              | 9...15        | 58                   | 6,6               | ■                                       | 19,0        | 4 900         | -20...+65         | 45 000 / 25 000                                            | 90 000                                                                 | 4                                                      | /2    |          |
| 5214 NM      |  | 187               | 110,1    | 24              | 12...28       | 43                   | 5,3               | ■                                       | 4,6         | 2 750         | -20...+75         | 62 500 / 27 500                                            | 122 500                                                                | 1                                                      |       |          |
| 5214 NN      |  | 216               | 127,1    | 24              | 12...28       | 46                   | 5,6               | ■                                       | 6,0         | 3 150         | -20...+75         | 57 500 / 25 000                                            | 112 500                                                                | 2                                                      | /2    |          |
| 5214 NH      |  | 252               | 148,3    | 24              | 12...28       | 51                   | 6,0               | ■                                       | 9,8         | 3 650         | -20...+70         | 45 000 / 22 500                                            | 90 000                                                                 | 3                                                      | /2    |          |
| 5214 NHH*    |  | 340               | 200,0    | 24              | 16...30       | 58                   | 6,6               | ■                                       | 17,5        | 4 900         | -20...+65         | 45 000 / 25 000                                            | 90 000                                                                 | 4                                                      | /2    |          |
| 5218 NM      |  | 187               | 110,1    | 48              | 40...56       | 43                   | 5,3               | ■                                       | 5,0         | 2 750         | -20...+75         | 62 500 / 27 500                                            | 122 500                                                                | 1                                                      |       |          |
| 5218 NN      |  | 216               | 127,1    | 48              | 40...56       | 46                   | 5,6               | ■                                       | 6,5         | 3 150         | -20...+65         | 57 500 / 32 500                                            | 112 500                                                                | 2                                                      |       |          |
| 5218 NH      |  | 252               | 148,3    | 48              | 40...56       | 51                   | 6,0               | ■                                       | 10,0        | 3 650         | -20...+55         | 45 000 / 32 500                                            | 90 000                                                                 | 3                                                      |       |          |
| 5218 NHH*    |  | 340               | 200,0    | 48              | 36...60       | 58                   | 6,6               | ■                                       | 18,0        | 4 900         | -20...+65         | 45 000 / 25 000                                            | 90 000                                                                 | 4                                                      | /2    |          |

\*Models NHH: Fan housing with moulded-in spacers.



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