

**ebm-papst St. Georgen GmbH & Co. KG**

Hermann-Papst-Straße 1

D-78112 St. Georgen

Phone +49 7724 81-0

Fax +49 7724 81-1309

info2@de.ebmpapst.com

www.ebmpapst.com

**Nominal data**

| Type                     | 5218 NN           |          |
|--------------------------|-------------------|----------|
| Nominal voltage          | VDC               | 48       |
| Nominal voltage range    | VDC               | 40 .. 56 |
| Speed                    | min <sup>-1</sup> | 3150     |
| Power input              | W                 | 6.5      |
| Min. ambient temperature | °C                | -20      |
| Max. ambient temperature | °C                | 65       |
| Air flow                 | m <sup>3</sup> /h | 216      |
| Sound power level        | B                 | 5.6      |
| Sound pressure level     | dB(A)             | 46       |

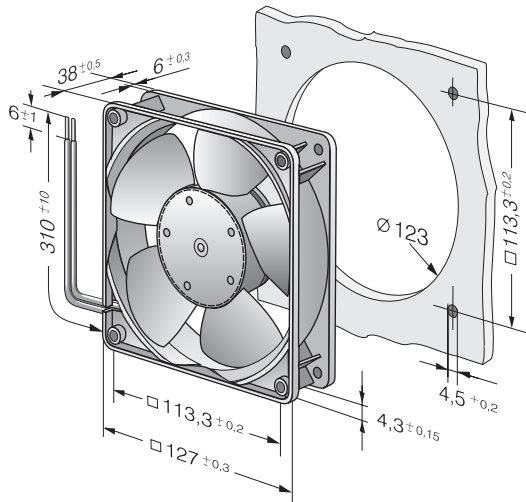
ml = max. load · me = max. efficiency · rfa = running at free air · cs = customer specs · cu = customer unit  
Subject to alterations



## Technical features

|                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Dimensions</b>                          | 127 x 127 x 38 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>General description</b>                 | <p>Particular design features:</p> <p>Optional Vario-Pro: Highly flexible software configuration for the fan ensures an easily customisable solution to meet the individual requirements of your application.</p> <p>General features:</p> <p>Material: fibreglass-reinforced plastic. Impeller PA, housing PBT.</p> <p>Electronic commutation completely integrated.</p> <p>Protected against reverse polarity and locking.</p> <p>Connection via single strands AWG 22, TR 64, bared and tin-plated.</p> <p>Air exhaust over bars. Direction of rotation counter-clockwise seen on rotor.</p> <p>Mass: 310 g.</p> |
| <b>Connection line</b>                     | Single strands AWG 22, TR 64, bared and tin-plated.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Locked-rotor protection</b>             | With electronic blocking and overload protection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Direction of rotation</b>               | Left, looking at rotor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Direction of air flow</b>               | Air exhaust over bars                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Bearing</b>                             | Ball bearings                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Lifetime L10 at 40 °C</b>               | 57500 h                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Lifetime L10 at maximum temperature</b> | 32500 h                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Mass</b>                                | 0.310 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Housing material</b>                    | Fiberglass-reinforced PBT plastic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Material of impeller</b>                | Fiberglass-reinforced PA plastic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Motor protection</b>                    | Protected against reverse polarity and locking.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Approval</b>                            | VDE, CSA, UL, CE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

## Product drawing



## Charts: Air flow

