

# Data sheet Product LA V 31 100 48



## Cooling aggregates>Cooling aggregates with axial fan

85 x 85 mm, with axial fan and air-flow chamber

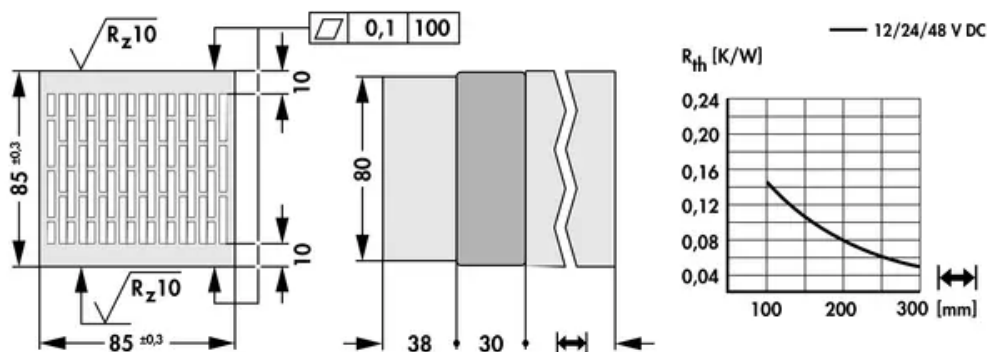
High performance cooling aggregate

- additional efficiency enhancement and noise reduction by means of air-technically adjusted airflow chambers
- excellent thermal efficiency in connection with powerful axial fans
- double-sided precise milled semiconductor mounting surfaces
- different width dimensions, customised machinings, surfaces, fan types and fan voltages upon request

## Features

|                                     |                                                                                                                |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------|
| width:                              | 85 mm                                                                                                          |
| height:                             | 85 mm                                                                                                          |
| length:                             | 100 mm                                                                                                         |
| thermal resistance:                 | 0.052 - 0.144 K/W                                                                                              |
| surface:                            | aluminium natural/degreased/cutting edges not deburred (by the metre not degreased/cutting edges not deburred) |
| operating voltage of the fan motor: | <ul style="list-style-type: none"> <li>• 12 V DC</li> <li>• 24 V DC</li> <li>• 48 V DC</li> </ul>              |

## Technical Drawing



## Fan

|                                  |                                            |
|----------------------------------|--------------------------------------------|
| type:                            | <b>ebmpapst 8212 JH4</b>                   |
| dimensions:                      | <b>80x80x38 mm</b>                         |
| tension:                         | <b>12 V DC</b>                             |
| power inout:                     | <b>39 W</b>                                |
| max. air volume:                 | <b>222 m<sup>3</sup>/h</b>                 |
| temperature range:               | <b>-20°C... +70°C</b>                      |
| noise level:                     | <b>71 dB(A)</b>                            |
| speed:                           | <b>14,000 min<sup>-1</sup></b>             |
| weight:                          | <b>200 g</b>                               |
| failure rate (L <sub>10</sub> ): | <b>L<sub>10</sub> &gt; 50,000 h (40°C)</b> |

|                                  |                                            |
|----------------------------------|--------------------------------------------|
| type:                            | <b>ebmpapst 8214 JH4</b>                   |
| dimensions:                      | <b>80x80x38 mm</b>                         |
| tension:                         | <b>24 V DC</b>                             |
| power inout:                     | <b>38 W</b>                                |
| max. air volume:                 | <b>222 m<sup>3</sup>/h</b>                 |
| temperature range:               | <b>-20°C... +70°C</b>                      |
| noise level:                     | <b>71 dB(A)</b>                            |
| speed:                           | <b>14,000 min<sup>-1</sup></b>             |
| weight:                          | <b>200 g</b>                               |
| failure rate (L <sub>10</sub> ): | <b>L<sub>10</sub> &gt; 50,000 h (40°C)</b> |

|                    |                            |
|--------------------|----------------------------|
| type:              | <b>ebmpapst 8218 JH4</b>   |
| dimensions:        | <b>80x80x38 mm</b>         |
| tension:           | <b>48 V DC</b>             |
| power inout:       | <b>36 W</b>                |
| max. air volume:   | <b>222 m<sup>3</sup>/h</b> |
| temperature range: | <b>-20°C... +70°C</b>      |
| noise level:       | <b>71 dB(A)</b>            |

|                                  |                                            |
|----------------------------------|--------------------------------------------|
| speed:                           | <b>14,000 min<sup>-1</sup></b>             |
| weight:                          | <b>200 g</b>                               |
| failure rate (L <sub>10</sub> ): | <b>L<sub>10</sub> &gt; 50,000 h (40°C)</b> |

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