

# Rittal – The System.

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## SK 3484.800

## Blue e+ S wall-mounted cooling unit

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CLIMATE CONTROL

IT INFRASTRUCTURE

SOFTWARE & SERVICES

FRIEDHELM LOH GROUP



# SK 3484.800 - Blue e+ S wall-mounted cooling unit 0.3 kW – 1 kW

Blue e+ S cooling units with tried-and-tested Blue e+ technology are the world's most energy-efficient cooling units. This means they reduce the carbon footprint of your machines and systems. Available in a brand new design with a host of smart functions.

## Features

|                                      |   |
|--------------------------------------|---|
| Model No.                            | SK 3484.800   |
| Design                               | wall-mounted  |
| Benefits                             | Contributes to climate-neutral production with average energy savings of 75% and a reduced carbon footprint<br>Multi-voltage capabilities and country-specific approvals support global usability<br>Smart, simple monitoring via IoT interface<br>User-friendly operation with the Rittal Scan & Service app |
| Material                             | Sheet steel   |
| General colour                       | RAL 7035  |
| Colour                               | Enclosure: RAL 7035<br>Louvred grille: RAL 7012   |
| Supply includes                      | Assembly parts<br>Fully wired ready for connection (plug-in terminal strip)<br>Integral electric condensate evaporation   |
| Options                              | For remote monitoring and networking of cooling units and chillers in the Blue e+ generation, please use the IoT interface (Model No. 3124.300). Increase machine availability and process reliability with remote monitoring of device data, statuses and system messages.                                   |
| Total cooling output to DIN EN 14511 | Cooling output L35 L35/50 Hz: 0.92 kW<br>Cooling output L35 L35/60 Hz: 0.92 kW<br>Cooling output L35 L50/50 Hz: 0.55 kW<br>Cooling output L35 L50/60 Hz: 0.55 kW  |
| Rated operating voltage              | 110 V - 240 V, 1~, 50 Hz/60 Hz  |

# Features

|   |   |
|---|---|
| Note  | <p>Please observe the mounting instructions.</p> <p>By downloading the software, a contract is concluded between the contractual partner and Rittal for the free use of the software in accordance with these licence conditions.</p> <p>Only suitable for use in semi-outdoor areas (see instructions for description)</p> |
| Note on Model No.   | Tolerance: 110 V -10% (99 V) and 240 V +10% (264 V)   |
| Rated power input   | 0.6 kW  |
| Air throughput (unimpeded air flow)                         | <p>External circuit: 680 m<sup>3</sup>/h</p> <p>Internal circuit: 680 m<sup>3</sup>/h</p>   |
| Energy efficiency ratio (EER) 50/60 Hz L35 L35              | <p>Refrigeration factor L35 L35 (EER) 50 Hz: 2.19</p> <p>Refrigeration factor L35 L35 (EER) 60 Hz: 2.19</p>   |
| Design  | wall-mounted  |
| Dimensions  | <p>Width: 400 mm</p> <p>Height: 950 mm</p> <p>Depth: 196 mm</p>   |
| Required mounting cut-out                                   | <p>Cut-out width: 383 mm</p> <p>Cut-out height: 929 mm</p>  |
| Protection category to IEC 60 529                           | Internal circuit IP 55  |
| Protection category NEMA                                    | <p>UL Type 1</p> <p>UL Type 12</p>  |
| Refrigerant/cooling medium                                  | <p>Refrigerant: R-1234yf</p> <p>Quantity: 0.34 kg</p> <p>Refrigerant quantity in compression system: 0.22 kg</p> <p>Refrigerant quantity in heat pipe system: 0.12 kg</p> <p>Global Warming Potential (GWP): 0.5</p> <p>CO<sub>2</sub> equivalent (CO<sub>2</sub>e): 0 t</p>  |
| Temperature control   | e+ controller (factory setting +35 °C)  |
| Operating temperature range                                 | -20 °C...60 °C  |
| Storage temperature range                                   | -40 °C...70 °C  |
| Operating temperature range of refrigerant circuit (active) | 3 °C...60 °C  |

# Features

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|--|--|
| Heat pipe operating temperature range    | -20 °C...45 °C   |
| Setting range                            | 20 °C...50 °C  |
| Power consumption Pel                    | Power consumption L35 L35/50 Hz: 0.42 kW<br>Power consumption L35 L35/60 Hz: 0.42 kW<br>Power consumption L35 L50/50 Hz: 0.48 kW<br>Power consumption L35 L50/60 Hz: 0.48 kW |
| Permissible operating pressure (p. max.) | 34 bar   |
| Packs of                                 | 1 pc(s).   |
| Net weight                               | 26.5 kg  |
| Gross weight                             | 31.5 kg  |
| PCF per pack (cradle-to-gate)            | 141.81 kg CO2 eq (Cat B)   |
| Note on PCF category                     | Category B: PCF value (cradle-to-gate) based on the product weight, approximately calculated and self-declared   |
| Customs tariff number                    | 84158200   |
| ETIM 8                                   | EC000855   |
| ECLASS 8.0                               | 27180704   |
| Product description                      | SK Blue e+ S cooling unit, wall-mounted, 0.92 kW, 110-240 V, 1~, 50-60 Hz, sheet steel, WHD: 400 x 950 x 196 mm, R-1234yf  |

# Approvals

|              |  |
|--------------|--|
| Approvals    | UL + C-UL (listed)   |
| Explanations | Declaration of conformity<br>Declaration of conformity - F-gas regulation<br>PCF-declaration |