

# Rittal – The System.

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## SK 3178.801

## Blue e+ S wall-mounted cooling unit

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ENCLOSURES

POWER DISTRIBUTION

CLIMATE CONTROL

IT INFRASTRUCTURE

SOFTWARE & SERVICES

FRIEDHELM LOH GROUP



# SK 3178.801 - 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 3178.801   |
| Design                               | wall-mounted  |
| Benefits                             | Contributes to climate-neutral production with average energy savings of 75% and a reduced carbon footprint<br>The use of R-513A refrigerant makes them more environmentally friendly<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)   |
| 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: 0.3 kW<br>Cooling output L35 L35/60 Hz: 0.3 kW<br>Cooling output L35 L50/50 Hz: 0.22 kW<br>Cooling output L35 L50/60 Hz: 0.22 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   | 0.22 kW   |
| Air throughput (unimpeded air flow)                         | <p>External circuit: 366.6 m³/h</p> <p>Internal circuit: 366.6 m³/h</p>   |
| Energy efficiency ratio (EER) 50/60 Hz L35 L35              | <p>Refrigeration factor L35 L35 (EER) 50 Hz: 2.01</p> <p>Refrigeration factor L35 L35 (EER) 60 Hz: 2.01</p>   |
| Design  | wall-mounted  |
| Dimensions  | <p>Width: 300 mm</p> <p>Height: 570 mm</p> <p>Depth: 159 mm</p>   |
| Required mounting cut-out                                   | <p>Cut-out width: 280 mm</p> <p>Cut-out height: 550 mm</p>  |
| Protection category to IEC 60 529                           | Internal circuit IP 55  |
| Protection category NEMA                                    | <p>UL Type 12</p> <p>UL Type 3R</p>   |
| Refrigerant/cooling medium                                  | <p>Refrigerant: R-513A</p> <p>Quantity: 0.13 kg</p> <p>Global Warming Potential (GWP): 631</p> <p>CO2 equivalent (CO2e): 0.08 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  |
| Heat pipe operating temperature range                       | -20 °C...45 °C  |

## Features

|  |  |
|--|--|
| Setting range                            | 20 °C...50 °C  |
| Power consumption Pel                    | Power consumption L35 L35/50 Hz: 0.15 kW<br>Power consumption L35 L35/60 Hz: 0.15 kW<br>Power consumption L35 L50/50 Hz: 0.18 kW<br>Power consumption L35 L50/60 Hz: 0.18 kW |
| Permissible operating pressure (p. max.) | 32 bar   |
| Packs of                                 | 1 pc(s).   |
| Net weight                               | 12.2   |
| Gross weight                             | 13.2   |
| Customs tariff number                    | 84158200   |
| EAN                                      | 4028177962576  |
| ETIM 9                                   | EC000855   |
| ETIM 8                                   | EC000855   |
| ECLASS 8.0                               | 27180704   |

## Approvals

|              |   |
|--------------|---|
| Approvals    | UL + C-UL (listed)<br>UL + C-UL - FT TA   |
| Explanations | Declaration of conformity<br>Declaration of conformity - F-gas regulation<br>Declaration of conformity UK |

# Tender text

3178801

Wallmounted cooling unit Blue e+ S

Blue e+ S cooling units with proven Blue e+ technology offer the world's highest energy efficiency.

This is also associated with the reduction of the CO<sub>2</sub> footprint of machines and systems.

Benefits:

Contribution to climate-neutral production thanks to average energy savings of 75% and reduction of CO<sub>2</sub> footprint.

Increased environmental friendliness through use of refrigerant R-513A.

Worldwide usability due to multi-voltage capability and country-specific approvals.

Intelligent and easy monitoring via IoT interface.

Convenient operation with Rittal Product Scan & Service App.

Total cooling output L35 L35 50/60 Hz: 0,3 kW / 0,3 kW

Total cooling output L35 L50 50/60 Hz: 0,22 kW / 0,22 kW

Power consumption L35 L35 50/60 Hz: 0,17 kW / 0,17 kW

Power consumption L35 L50 50/60 Hz: 0,2 kW / 0,2 kW

Rated power input: 0,22 kW

Rated operating voltage: 110 V - 240 V, 1~, 50 Hz/60 Hz

Temperature control: e+ controller (factory setting +35 °C)

Dimensions [WxHxD]: 300 x 570 x 159 mm

Material: Sheet steel

Colour: Housing: RAL 7035 / Louvre grille: RAL 7012

Refrigeration factor L35 L35 (EER) 50 Hz: 1,8

Refrigerant / Quantity: R-513A / 0,13 g

Operating temperature range: -20 °C to 60 °C

Setting range: 20 °C to 50 °C

Storage temperature range: -40 °C to 70 °C

Protection category IP to IEC 60 529: Internal circuit IP 55

Protection category NEMA: UL Type 3R/12

Weight: 12 kg