

# Rittal – The System.

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## SK 3179.800

## Blue e+ S wall-mounted cooling unit

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SOFTWARE & SERVICES

FRIEDHELM LOH GROUP



# SK 3179.800 - 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 3179.800                                                                                                                                                                                                                                                                                                   |
| 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.                                   |

# Features

|                                                |                                                                                                                                                                                                                                                                                                              |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Total cooling output to DIN EN 14511           | Cooling output L35 L35/50 Hz: 0.52 kW<br>Cooling output L35 L35/60 Hz: 0.52 kW<br>Cooling output L35 L50/50 Hz: 0.32 kW<br>Cooling output L35 L50/60 Hz: 0.32 kW                                                                                                                                             |
| Rated operating voltage                        | 110 V - 240 V, 1~, 50 Hz/60 Hz                                                                                                                                                                                                                                                                               |
| Note                                           | Please observe the mounting instructions.<br>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.<br>Only suitable for use in semi-outdoor areas (see instructions for description) |
| Note on Model No.                              | Tolerance: 110 V -10% (99 V) and 240 V +10% (264 V)                                                                                                                                                                                                                                                          |
| Rated power input                              | 0.36 kW                                                                                                                                                                                                                                                                                                      |
| Air throughput (unimpeded air flow)            | External circuit: 366.6 m³/h<br>Internal circuit: 366.6 m³/h                                                                                                                                                                                                                                                 |
| Energy efficiency ratio (EER) 50/60 Hz L35 L35 | Refrigeration factor L35 L35 (EER) 50 Hz: 1.9<br>Refrigeration factor L35 L35 (EER) 60 Hz: 1.9                                                                                                                                                                                                               |
| Design                                         | wall-mounted                                                                                                                                                                                                                                                                                                 |
| Dimensions                                     | Width: 300 mm<br>Height: 570 mm<br>Depth: 199 mm                                                                                                                                                                                                                                                             |
| Required mounting cut-out                      | Cut-out width: 280 mm<br>Cut-out height: 550 mm                                                                                                                                                                                                                                                              |
| Protection category to IEC 60 529              | Internal circuit IP 55                                                                                                                                                                                                                                                                                       |
| Protection category NEMA                       | UL Type 12<br>UL Type 3R                                                                                                                                                                                                                                                                                     |
| Refrigerant/cooling medium                     | Refrigerant: R-513A<br>Quantity: 0.16 kg<br>Global Warming Potential (GWP): 631<br>CO2 equivalent (CO2e): 0.1 t                                                                                                                                                                                              |
| Temperature control                            | e+ controller (factory setting +35 °C)                                                                                                                                                                                                                                                                       |
| Operating temperature range                    | -20 °C...60 °C                                                                                                                                                                                                                                                                                               |
| Storage temperature range                      | -40 °C...70 °C                                                                                                                                                                                                                                                                                               |

## Features

|                                                             |                                                                                                                                                                              |
|-------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating temperature range of refrigerant circuit (active) | 3 °C...60 °C                                                                                                                                                                 |
| Heat pipe operating temperature range                       | -20 °C...45 °C                                                                                                                                                               |
| Setting range                                               | 20 °C...50 °C                                                                                                                                                                |
| Power consumption Pel                                       | Power consumption L35 L35/50 Hz: 0.27 kW<br>Power consumption L35 L35/60 Hz: 0.27 kW<br>Power consumption L35 L50/50 Hz: 0.32 kW<br>Power consumption L35 L50/60 Hz: 0.32 kW |
| Permissible operating pressure (p. max.)                    | 32 bar                                                                                                                                                                       |
| Packs of                                                    | 1 pc(s).                                                                                                                                                                     |
| Net weight                                                  | 12.841                                                                                                                                                                       |
| Gross weight                                                | 13.84                                                                                                                                                                        |
| Customs tariff number                                       | 84158200                                                                                                                                                                     |
| EAN                                                         | 4028177949966                                                                                                                                                                |
| ETIM 9                                                      | EC000855                                                                                                                                                                     |
| ETIM 8                                                      | EC000855                                                                                                                                                                     |
| ECLASS 8.0                                                  | 27180704                                                                                                                                                                     |

## Approvals

|              |                                                                           |
|--------------|---------------------------------------------------------------------------|
| Approvals    | 30 - KC Korea<br>UL + C-UL (listed)<br>UL + C-UL - FTTA                   |
| Explanations | Declaration of conformity<br>Declaration of conformity - F-gas regulation |

## Tender text

3179800

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: 0,52 kW / 0,52 kW

Total cooling output L35 L50 50/60 Hz: 0,32 kW / 0,32 kW

Power consumption L35 L35 50/60 Hz: 0,27 kW / 0,27 kW

Power consumption L35 L50 50/60 Hz: 0,32 kW / 0,32 kW

Rated power input: 0,36 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 199 mm

Material: Sheet steel

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

Refrigeration factor L35 L35 (EER) 50 Hz: 1,9

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: 13 kg

Note: With integrated condensate evaporation