

# Rittal – The System.

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## SK 3180.800

### Blue e+ S wall-mounted cooling unit

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ENCLOSURES

POWER DISTRIBUTION

CLIMATE CONTROL

IT INFRASTRUCTURE

SOFTWARE & SERVICES

FRIEDHELM LOH GROUP

# SK 3180.800 - 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 3180.800
Design	wall-mounted
Benefits	<p>Contributes to climate-neutral production with average energy savings of 75% and a reduced carbon footprint</p> <p>Multi-voltage capabilities and country-specific approvals support global usability</p> <p>Smart, simple monitoring via IoT interface</p> <p>User-friendly operation with the Rittal Scan &amp; Service app</p>
Material	Sheet steel
General colour	RAL 7035
Colour	Enclosure: RAL 7035 Louvre grille: RAL 7012
Supply includes	Assembly parts Fully wired ready for connection (plug-in terminal strip) 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: 0.78 kW Cooling output L35 L35/60 Hz: 0.78 kW Cooling output L35 L50/50 Hz: 0.44 kW Cooling output L35 L50/60 Hz: 0.44 kW
Rated operating voltage	110 V - 240 V, 1~, 50 Hz/60 Hz

# Features

Note	<p>Please observe the mounting instructions. 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. 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	0,56 kW
Air throughput (unimpeded air flow)	External circuit: 378 m <sup>3</sup> /h Internal circuit: 378 m <sup>3</sup> /h
Energy efficiency ratio (EER) 50/60 Hz L35 L35	Refrigeration factor L35 L35 (EER) 50 Hz: 1.9 Refrigeration factor L35 L35 (EER) 60 Hz: 1.9
Design	wall-mounted
Dimensions	Width: 300 mm Height: 570 mm Depth: 250 mm
Required mounting cut-out	Cut-out width: 280 mm Cut-out height: 550 mm
Protection category to IEC 60 529	Internal circuit IP 55
Protection category NEMA	UL Type 12 UL Type 3R
Refrigerant/cooling medium	Refrigerant: R-513A Quantity: 0.19 kg Global Warming Potential (GWP): 631 CO <sub>2</sub> equivalent (CO <sub>2</sub> e): 0.12 t
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

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Setting range	20 °C...50 °C
Power consumption Pel	Power consumption L35 L35/50 Hz: 0.41 kW Power consumption L35 L35/60 Hz: 0.41 kW Power consumption L35 L50/50 Hz: 0.49 kW Power consumption L35 L50/60 Hz: 0.49 kW
Permissible operating pressure (p. max.)	35 bar
Packs of	1 pc(s).
Net weight	16.5
Gross weight	16.95
Customs tariff number	84158200
EAN	4028177966833
ETIM 9	EC000855
ETIM 8	EC000855
ECLASS 8.0	27180704

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## Approvals

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

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# Tender text

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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 CO2 footprint of machines and systems.

Benefits:

Contribution to climate-neutral production thanks to average energy savings of 75% and reduction of CO2 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: 0,78 kW / 0,78 kW

Total cooling output L35 L50 50/60 Hz: 0,44 kW / 0,44 kW

Power consumption L35 L35 50/60 Hz: 0,41 kW / 0,41 kW

Power consumption L35 L50 50/60 Hz: 0,49 kW / 0,49 kW

Rated power input: 0,56 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 250 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 / 0,19 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: 15,3 kg

Note: With integrated condensate evaporation