

# Rittal – The System.

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## SK 3478.800

## Blue e+ S wall-mounted cooling unit

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ENCLOSURES

POWER DISTRIBUTION

CLIMATE CONTROL

IT INFRASTRUCTURE

SOFTWARE & SERVICES

FRIEDHELM LOH GROUP



# SK 3478.800 - 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 3478.800
Design	wall-mounted
Benefits	Contributes to climate-neutral production with average energy savings of 75% and a reduced carbon footprint Multi-voltage capabilities and country-specific approvals support global usability Smart, simple monitoring via IoT interface User-friendly operation with the Rittal Scan & Service app
Material	Sheet steel
General colour	RAL 7035
Colour	Enclosure: RAL 7035 Louvred 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: 0.3 kW Cooling output L35 L35/60 Hz: 0.3 kW Cooling output L35 L50/50 Hz: 0.14 kW Cooling output L35 L50/60 Hz: 0.14 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 m<sup>3</sup>/h</p> <p>Internal circuit: 366.6 m<sup>3</sup>/h</p>
Energy efficiency ratio (EER) 50/60 Hz L35 L35	<p>Refrigeration factor L35 L35 (EER) 50 Hz: 1.8</p> <p>Refrigeration factor L35 L35 (EER) 60 Hz: 1.8</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 1</p> <p>UL Type 12</p>
Refrigerant/cooling medium	<p>Refrigerant: R-1234yf</p> <p>Quantity: 0.135 kg</p> <p>Refrigerant quantity in compression system: 0.08 kg</p> <p>Refrigerant quantity in heat pipe system: 0.055 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

Heat pipe operating temperature range	-20 °C...45 °C
Setting range	20 °C...50 °C
Power consumption Pel	Power consumption L35 L35/50 Hz: 0.17 kW Power consumption L35 L35/60 Hz: 0.17 kW Power consumption L35 L50/50 Hz: 0.19 kW Power consumption L35 L50/60 Hz: 0.19 kW
Permissible operating pressure (p. max.)	32 bar
Packs of	1 pc(s).
Net weight	12.2 kg
Gross weight	13 kg
PCF per pack (cradle-to-gate)	65.82 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, 0.3 kW, R-1234yf, 110-240 V, 1~, 50-60 Hz, sheet steel, WxHxD: 300 x 570 x 159 mm

# Approvals

Approvals	UL + C-UL (listed)
Explanations	Declaration of conformity Declaration of conformity - F-gas regulation