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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 & 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

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|---|---|
| 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 ³ /h Internal circuit: 378 m ³ /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 ₂ equivalent (CO ₂ 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 |

Approvals

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

Tender text

3184800

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