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## SK 3412.800

# Roof-mounted cooling unit Blue e+ IT

State: 25/04/2026 (Source: [rittal.com/com-en](http://rittal.com/com-en))



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SOFTWARE & SERVICES

FRIEDHELM LOH GROUP

# SK 3412.800 - Roof-mounted cooling unit Blue e+ IT

The use of Blue e+ technology makes this bundle ideally suited to the requirements of energy-efficient cooling of IT racks. In combination with the IoT interfaces, it supports communication with various systems as well as monitoring and energy management.

## Features

|                               |   |
|-------------------------------|---|
| Model No.                     | SK 3412.800   |
| Design                        | roof-mounted  |
| Product description           | The use of Blue e+ technology makes this bundle ideally suited to the requirements of energy-efficient cooling of IT racks. In combination with the IoT interfaces, it supports communication with various different systems as well as monitoring and energy management. |
| Benefits                      | Energy savings thanks to speed-regulated components and heat pipe technology<br>Suitable for international use due to a unique multi-voltage capability<br>Intuitive operation due to touch display and intelligent interfaces  |
| Technical specifications      | Further information, instructions and technical data on the individual components listed in this bundle can be found on the relevant item pages   |
| Material                      | Sheet steel   |
| Colour                        | RAL 7035  |
| Supply includes               | Bundle comprised of the following individual components:<br>IoT interface (3124.300)<br>Temperature sensor (3124.400)<br>Connection cable (7030.091)<br>Nylon loop cable holder (7111.350)<br>Roof-mounted cooling unit (3485.730)  |
| Useful cooling output L30 L22 | 1,600 W   |
| Rated operating voltage       | 110 V - 240 V, 1~, 50 Hz/60 Hz<br>380 V - 480 V, 3~, 50 Hz/60 Hz  |
| Rated power input             | 0.75 kW   |

# Features

|  |   |
|--|---|
| Type of electrical connection            | Plug-in terminal strip  |
| Dimensions                               | Width: 700 mm<br>Height: 308 mm<br>Depth: 560 mm  |
| Duty cycle                               | 100 %   |
| Temperature control                      | e+ controller   |
| Protocols                                | OPC-UA<br>SNMPv1<br>SNMPv2<br>SNMPv3<br>Modbus/TCP<br>TCP/IPv4<br>TCP/IPv6<br>Radius<br>Telnet<br>SSH<br>FTP<br>SFTP<br>HTTP<br>HTTPS<br>NTP<br>DHCP<br>DNS<br>SMTP<br>Syslog<br>LDAP |
| Operating temperature range              | -20 °C...55 °C  |
| Permissible operating pressure (p. max.) | 24 bar  |
| Storage temperature range                | -40 °C...70 °C  |
| Setting range                            | 20 °C...50 °C   |
| Protection category to IEC 60 529        | External circuit IP 54 with pleated filter<br>Internal circuit IP 54 with pleated filter  |

# Features

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|----------------------------|--|
| Refrigerant/cooling medium | Refrigerant: R-1234yf<br>Quantity: 0.56 kg<br>Refrigerant quantity in compression system: 0.37 kg<br>Refrigerant quantity in heat pipe system: 0.19 kg<br>Global Warming Potential (GWP): 0.5<br>CO2 equivalent (CO2e): 0 t  |
| Packs of                   | 1 pc(s).   |
| Net weight                 | 50 kg  |
| Gross weight               | 54 kg  |
| Customs tariff number      | 84158200   |
| ECLASS 8.0                 | 27180704   |
| Product description        | Blue e+ IT for IT applications, 1.6 kW bundle, R-1234yf, comprised of the following individual components: Roof-mounted cooling unit (3485.730), IoT interface (3124.300), temperature sensor (3124.400), connection cable (7030.091), nylon loop cable holder (7111.350), WxHxD: 700x308x560 mm |

# Approvals

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|              |   |
|--------------|---|
| Explanations | Declaration of conformity<br>Declaration of conformity - F-gas regulation |
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