Cooling units Blue e+ IT
Efficient rack cooling with innovative hybrid technology
Smart cooling
Efficient, interconnected and easy to use
Let innovative hybrid technology take the energy efficiency of your rack cooling to a whole new level. An active cooling circuit with speed-controlled components provides demand-based cooling. As soon as the ambient temperature drops below the set level, the integral heat pipe takes over climate control of the rack with passive cooling. This will unlock huge energy savings.

**Amazingly economical**
- Longer service life due to component-friendly cooling
- A constant temperature inside the enclosure is ensured – with three control modes

**Easier to operate**
- Contactless on-site information sharing and fast, direct analysis via the NFC interface of the Blue e+ app
- Send simple repair, maintenance and spare parts enquiries directly from your smartphone
- Fast parameterisation, data reading and plain-text system messages via the intelligent, multilingual, industry-grade touch display

**Intelligent interface – IoT interface**
- For linking Blue e+ cooling units to the customer’s own monitoring, energy management and/or superordinate systems
- Analysis and parametrisation
- Device data can be supplied in most standard protocols
- Generate your own dashboards and analyses

**Unique multi-voltage capability**
- One device for all voltages and networks, suitable for worldwide use thanks to inverter technology:
  - 110 – 240 V, 1~, 50 – 60 Hz
  - 380 – 480 V, 3~, 50 – 60 Hz
**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 interface, 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
- Suitable for international use due to a unique multi-voltage capability
- Intuitive operation due to touch display and intelligent interfaces

**Temperature control:**
- e+ controller

**Protection category IP to IEC 60 529:**
- External circuit IP 54 with pleated filter
- Internal circuit IP 54 with pleated filter

**Supply includes:**
- Bundle comprised of the following individual components:
  - Roof-mounted cooling unit (3185.730)
  - IoT interface (3124.300)
  - Temperature sensor (3124.400)
  - Connection cable (7030.091)
  - Nylon loop cable holder (7111.350)

**Note:**
- Firmware can be updated using the RiDiag III software (3159.300).

**Approvals:**
- Available on the Internet

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### Model No. 3312.800

<table>
<thead>
<tr>
<th>Technical specifications, cooling unit</th>
<th>Packs of</th>
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<td>380 - 480, 3 ~, 50/60</td>
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<tr>
<td>Type of electrical connection</td>
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<td>Plug-in terminal strip</td>
<td></td>
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<tr>
<td>Operating temperature range</td>
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<td>R134a, 590</td>
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Further technical information available on the Internet.
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 interface, 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
- Suitable for international use due to a unique multi-voltage capability
- Intuitive operation due to touch display and intelligent interfaces

**Temperature control:**
- e+ controller

**Protection category IP to IEC 60 529:**
- External circuit IP 24
- Internal circuit IP 55

**Supply includes:**
Bundle comprised of the following individual components:
- Wall-mounted cooling unit (3187.930)
- IoT interface (3124.300)
- Temperature sensor (3124.400)
- Connection cable (7030.091)
- Nylon loop cable holder (7111.350)

**Note:**
- Firmware can be updated using the RiDiag III software (3159.300).

**Approvals:**
Available on the Internet

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### Technical specifications, cooling unit

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<td>380 - 480, 3 ~, 50/60</td>
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<tr>
<td>Type of electrical connection</td>
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<td>Operating temperature range</td>
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### Technical specifications, IoT interface

<table>
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<tbody>
<tr>
<td>Accessories</td>
<td>Air duct 1 pc(s) 3312.820</td>
</tr>
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Rittal Climate control/Cooling units Blue e+ for IT

Further technical information available on the Internet.
Accessories

**Air duct**
for wall-mounted cooling unit Blue e+ IT
For cold air infeed in front of the 482.6 mm (19") level in combination with the Blue e+ IT wall-mounted cooling unit.

**Benefits:**
- One air duct for different enclosure depths

**Installation options:**
- Mounting in the bottom 3 U of the 482.6 mm (19") level

**Material:**
- Sheet steel, spray-finished

**Colour:**
- RAL 9005

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</table>

**Also required:**
- Wall-mounted cooling unit Blue e+ IT, see page 5

**Edge Data Center with innovative cooling technology**
Sample application
An edge solution is perfect for production and IoT sensor data capture, and for managing all types of data.

Further technical information available on the Internet.
Simple operation with touch display and intelligent interfaces

- USB interface
- Blue e+ app
- IoT interface
- Touch display
Rittal – The System.

Faster – better – everywhere.

- Enclosures
- Power Distribution
- Climate Control
- IT Infrastructure
- Software & Services

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www.rittal.com/contact