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Cooling units Blue e+ IT

Efficient rack cooling with innovative hybrid technology

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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

Model No.	Packs of	3312.800	Page
Technical specifications, cooling unit			
Total cooling output L30 L22 W		1700	
Width mm		700	
Height mm		308	
Depth mm		560	
Material		Sheet steel	
Colour		RAL 7035	
Rated operating voltage V, ~, Hz		110 - 240, 1~, 50/60 380 - 480, 3~, 50/60	
Type of electrical connection		Plug-in terminal strip	
Operating temperature range		-20 °C...+55 °C	
Refrigerant g		R134a, 590	
Technical specifications, IoT interface			
Protocols		OPC-UA/SNMPv1/SNMPv2/SNMPv3/Modbus/TCP/TCP/IPv4/TCP/IPv6/Radius/Telnet/SSH/FTP/SFTP/HTTP/HTTPS/NTP/DHCP/DNS/SMTP/Syslog/LDAP	

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

Model No.	Packs of	3312.810	Page
Technical specifications, cooling unit			
Total cooling output L30 L22 W		3000	
Width mm		450	
Height mm		1600	
Depth mm		294	
Material		Sheet steel	
Colour		RAL 7035	
Rated operating voltage V, ~, Hz		110 - 240, 1~, 50/60 380 - 480, 3~, 50/60	
Type of electrical connection		Plug-in terminal strip	
Operating temperature range		-20 °C...+60 °C	
Refrigerant g		R134a, 1150	
Technical specifications, IoT interface			
Protocols		OPC-UA/SNMPv1/SNMPv2/SNMPv3/Modbus/TCP/TCP/IPv4/TCP/IPv6/Radius/Telnet/SSH/FTP/SFTP/HTTP/HTTPS/NTP/DHCP/DNS/SMTP/Syslog/LDAP	
Accessories			
Air duct	1 pc(s).	3312.820	6

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

Width mm	482.6
Height U	3
For enclosure depth mm	800 1000 1200
Packs of	1 pc(s).
Model No.	**3312.820**

! **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.

The **e+** principle

Simple operation with touch display and intelligent interfaces

- USB interface
- Blue e+ app
- IoT interface
- Touch display

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