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SK 3189.640

Wall-mounted cooling unit Blue e+

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ENCLOSURES

POWER DISTRIBUTION

CLIMATE CONTROL

IT INFRASTRUCTURE

SOFTWARE & SERVICES

FRIEDHELM LOH GROUP



SK 3189.640 - Wall-mounted cooling unit Blue e+ 1.6 - 5.8 kW

Energy-efficient Blue e+ wall-mounted cooling units in output categories 1600 W to 5800 W. Average energy savings of 75% can be achieved with speed-regulated components and heat pipe technology. Available in sheet steel and stainless steel versions.



Features

Model No.	SK 3189.640
Design	wall-mounted
Benefits	Average 75% energy savings thanks to speed-regulated components and heat pipe technology Suitable for international use due to a unique multi-voltage capability Longer service life of the components inside the enclosure and the cooling unit due to component-friendly cooling Intuitive operation due to touch display and intelligent interfaces
Material	Stainless steel 1.4301 (AISI 304)
Colour	RAL 9007
Supply includes	Condenser with hydrophobic RiNano coating Integral electric condensate evaporation Assembly parts Fully wired ready for connection (plug-in terminal strip)
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.

Features

Total cooling output to DIN EN 14511	Cooling output L35 L35/50 Hz: 5.8 kW Cooling output L35 L35/60 Hz: 5.8 kW Cooling output L35 L50/50 Hz: 4.2 kW Cooling output L35 L50/60 Hz: 4.2 kW
Rated operating voltage	380 V - 480 V, 3~, 50 Hz/60 Hz
Note	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)
Note on Model No.	Tolerance: 380 V -10% (342 V) and 480 V +5% (509 V) Full installation not possible
Rated power input	2.2 kW
Air throughput (unimpeded air flow)	External circuit: 2,300 m ³ /h Internal circuit: 2,300 m ³ /h
Energy efficiency ratio (EER) 50/60 Hz L35 L35	Refrigeration factor L35 L35 (EER) 50 Hz: 2.64 Refrigeration factor L35 L35 (EER) 60 Hz: 2.64
Seasonal energy efficiency ratio (SEER) 50/60 Hz	6.2
Design	wall-mounted
Dimensions	Width: 450 mm Height: 1,600 mm Depth: 393 mm
Required mounting cut-out	Cut-out width: 433 mm Cut-out height: 1,579 mm
Protection category to IEC 60 529	Internal circuit IP 55
Protection category NEMA	UL Type 12 UL Type 3R
Refrigerant/cooling medium	Refrigerant: R134a Quantity: 1.75 kg Global Warming Potential (GWP): 1,430 CO ₂ equivalent (CO ₂ e): 2.5 t
Temperature control	e+ controller (factory setting +35 °C)

Features

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
Setting range	20 °C...50 °C
Power consumption Pel	Power consumption L35 L35/50 Hz: 2.2 kW Power consumption L35 L35/60 Hz: 2.2 kW Power consumption L35 L50/50 Hz: 2.2 kW Power consumption L35 L50/60 Hz: 2.2 kW
Permissible operating pressure (p. max.)	24 bar
Packs of	1 pc(s).
Weight/pack	71.2 kg
Net weight	71.2
Gross weight	91
Customs tariff number	84158200
EAN	4028177934641
ETIM 8	EC000855
ETIM 7.0	EC000855
ECLASS 8.0	27180704

Approvals

Approvals	IEC CB UL + C-UL (listed)
Certificates	EAC

Approvals

Explanations

Declaration of conformity

Declaration of conformity UK

Tender text

3189640

Wall-mounted cooling unit Blue e+

A revolution in energy efficiency using innovative hybrid technology.

Average 75% energy savings with speed-regulated components and heat pip technology. Unique multi-voltage capability for worldwide use. Intuitiv operation via touch display.

Total cooling output L35 L35 50/60 Hz: 5,8 / 5,8 kW

Total cooling output L35 L50 50/60 Hz: 4,2 / 4,2 kW

Power consumption L35 L35 50/60 Hz: 2,2 / 2,2 kW

Power consumption L35 L50 50/60 Hz: 2,2 / 2,2 kW

Rated power input: 2,2 kW

Rated operating voltage: 380-480 V, 3~, 50/60 Hz

Temperature control: e+ controller (factory setting +35 °C)

Dimensions [WxHxD]: 450x1600x393 mm

Material: Stainless steel 1.4301 (AISI 304)

Colour: RAL 9007

Refrigeration factor (EER) 50/60 Hz: 2,64 / 2,64

Refrigeration factor (SEER) 50/60 Hz: 6,2

Refrigerant / Quantity: R134a / 1750 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

Weight: 71,2 kg

Note: Full installation not possible