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SK 3189.940

Wall-mounted cooling unit Blue e+

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FRIEDHELM LOH GROUP

SK 3189.940 - Wall-mounted cooling unit Blue e+ 1.6 - 5.5 kW

Energy-efficient Blue e+ wall-mounted cooling units in output categories 1600 W to 5500 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 3189.940
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
Product modification	The cover for the connection box to protect the electrical connection to the cooling unit has not been included with the supply since the start of 2024. Covers 3355.200 and 3355.210 can be ordered as optional accessories.
Material	Sheet steel
Colour	RAL 7035
Supply includes	Condenser with hydrophobic RiNano coating Integral electric condensate evaporation Assembly parts Fully wired ready for connection (plug-in terminal strip)

Features

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: 5.5 kW Cooling output L35 L35/60 Hz: 5.5 kW Cooling output L35 L50/50 Hz: 3.95 kW Cooling output L35 L50/60 Hz: 3.95 kW
Rated operating voltage	380 V - 480 V, 3~, 50 Hz/60 Hz
Note	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) To protect the Blue e+ cooling units, a suitable overvoltage protection must be provided: - Operating voltage < 460 V (3~): Uc 275 V, Imax 40 kA, In 20 kA, Up 1.5 kV. - Operating voltage > 460 V (3~): Uc 385 V, Imax 40 kA, In 20 kA, Up 1.5 kV.
Note on Model No.	Tolerance: 380 V -10% (342 V) and 480 V +6% (509 V) Full installation not possible
Rated power input	2.35 kW
Air throughput (unimpeded air flow)	External circuit: 2,300 m³/h Internal circuit: 2,300 m³/h
Energy efficiency ratio (EER) 50/60 Hz L35 L35	Refrigeration factor L35 L35 (EER) 50 Hz: 2.5 Refrigeration factor L35 L35 (EER) 60 Hz: 2.5
Seasonal energy efficiency ratio (SEER) 50/60 Hz	5.6
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

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Features

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: 1.8 kg Global Warming Potential (GWP): 631 CO2 equivalent (CO2e): 1.14 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
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).
Net weight	72.4 kg
Gross weight	89 kg
PCF per pack (cradle-to-gate)	1,168.6
CRA risk class	Default (Low Risk)
Customs tariff number	84158200
ETIM 9	EC000855
ETIM 8	EC000855
ECLASS 8.0	27180704

Features

Product description	SK cooling unit Blue e+, wall-mounted, 5.5 kW, 380-480 V, 3~, 50-60 Hz, sheet steel, WHD: 450 x 1600 x 393 mm

Approvals

Approvals	IEC CB 30 - KC Korea UL + C-UL (listed) UL + C-UL - FTTA
Explanations	Declaration of conformity Declaration of conformity - F-gas regulation Declaration of conformity UK PCF-declaration

Tender text

Blue e+ S wall-mounted 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.
Benefits :
Contributes to climate-neutral production with average energy
savings of 75% and a reduced carbon footprint.
Multi-voltage capabilities and country-specific approvals
support global usability. Smart, simple monitoring via IoT interface
User-friendly operation with the Rittal Scan & Service app
Cooling output L35 L35/50 Hz: 5.5 kW
Cooling output L35 L35/60 Hz: 5.5 kW
Cooling output L35 L50/50 Hz: 3.95 Kw
Cooling output L35 L50/60 Hz: 3.95 kW
380 V - 480 V, 3~, 50 Hz/60 Hz
Temperature control: e+ controller (factory setting +35 °C)
Dimensions [WxHxD]: 400 x 1,600 x 393 mm
mounting cut-out dimensions (W x D) 433 x 1579 mm
Sheet steel
RAL 7035
Refrigeration factor L35 L35 (EER) 50/ 60 Hz: 3.08
Refrigerant / Quantity:Refrigerant: R-513A, Quantity: 1.08 kg
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 12, UL Type 3R
Weight: 72.4 kg
Supply includes : Integral electric condensate evaporation

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