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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+ 5459.43 - 18766.8 BTU/h

Energy-efficient Blue e+ wall-mounted cooling units in the 5459.43 - 18766.78 BTU/h power classes. By using speed-controlled components and heat pipe technology, they achieve an average energy saving of 75%. Available in carbon steel and stainless steel.



Features

Model No.	SK 3189.640
Version	wall-mounted
Benefits	An average of 75% energy savings due 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 changes	The cover for the connection box for protection for the electrical connection on the cooling unit has not been included in the delivery scope since the start of 2024. Cover 3355.200 and cover 3355.210 can be ordered as an optional accessory.
Material	Stainless steel 1.4301 (AISI 304)
Color	RAL 9007
Supply includes	Condenser with hydrophobic RiNano coating Integral electric condensate evaporation Assembly components Wired ready for connection (plug-in terminal strip)

Features

Options	For remote monitoring and networking of cooling units and chillers, use the Blue e+ Generation IoT Interface, item number 3124.300. Increase machine availability and process safety by remote monitoring of device data, condition, 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 Cooling output L35 L35/50 Hz: 18,767 BTU/h Cooling output L35 L35/60 Hz: 18,767 BTU/h Cooling output L35 L50/50 Hz: 13,478 BTU/h Cooling output L35 L50/60 Hz: 13,478 BTU/h
Rated operating voltage	380 V - 480 V, 3~, 50 Hz/60 Hz
Note	When the software is downloaded, a contract is concluded between the contractual partner and Rittal for the free use of the software in accordance with these license conditions. Only for semi-outdoor use (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 internal mounting not possible
Rated output	2.35 kW
Air throughput (unimpeded air flow)	External circuit: 2,300 m³/h Internal circuit: 2,300 m³/h External circuit: 1,353.7 cfm Internal circuit: 1,353.7 cfm
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
Version	wall-mounted

Features

Dimensions	Width: 450 mm Height: 1,600 mm Depth: 393 mm Width: 17.7 ″ Height: 63 ″ Depth: 15.5 ″
Required mounting cut-out	Width of opening: 433 mm Cut-out height: 1,579 mm Width of opening: 17 ″ Cut-out height: 62.2 ″
Protection category IP to EN 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 Refrigerant: R-513A Quantity: 4 lb.
Temperature control	e+ controller (factory setting +35 °C)
Operating temperature range	-20 °C...60 °C -4 °F...140 °F
Storage temperature range	-40 °C...70 °C -40 °F...158 °F
Operating temperature range of refrigerant circuit (active)	3 °C...60 °C
Operating temperature range of heat pipe	-20 °C...45 °C
Setting range	20 °C...50 °C 68 °F...122 °F
Rated power Pel	Rated power L35 L35/50 Hz: 2.2 kW Rated power L35 L35/60 Hz: 2.2 kW Rated power L35 L50/50 Hz: 2.2 kW Rated power L35 L50/60 Hz: 2.2 kW

Features

Permissible operating pressure (p. max.)	24 bar 348.1 PSI
Packaging unit	1 pc(s).
Net weight	72.4 kg
Gross weight	91 kg
PCF/VE (cradle-to-gate)	1,241.56
CRA risk class	Default (Low Risk)
Customs tariff number	84158200
ETIM 9	EC000855
ETIM 8	EC000855
ECLASS 8.0	27180704
Product description	SK cooling unit Blue e+, wall-mounted, 18766.78 BTU/h 380-480 V, 3~, 50-60 Hz, stainless steel, 63" H x 17.7" W x 15.5" D

Approvals

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