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## SK 3189.640

## Wall-mounted cooling unit Blue e+

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SOFTWARE & SERVICES

FRIEDHELM LOH GROUP



# SK 3189.640 - 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 3189.640
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
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	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)

# 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	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
Note on Model No.	To protect the Blue e+ cooling units, a suitable overvoltage protection must be provided: Operating voltage < 460 V (3~): Uc 275 V, I <sub>max</sub> 40 kA, I <sub>n</sub> 20 kA, U <sub>p</sub> 1.5 kV. - Operating voltage > 460 V (3~): Uc 385 V, I <sub>max</sub> 40 kA, I <sub>n</sub> 20 kA, U <sub>p</sub> 1.5 kV.
Rated power input	2.35 kW
Air throughput (unimpeded air flow)	External circuit: 2,300 m <sup>3</sup> /h Internal circuit: 2,300 m <sup>3</sup> /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

# 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	71.2 kg
Gross weight	91 kg
PCF per pack (cradle-to-gate)	1,241.56
Customs tariff number	84158200
ETIM 9	EC000855
ETIM 8	EC000855
ECLASS 8.0	27180704
Product description	SK cooling unit Blue e+, wall-mounted, 5.5 kW, 380-480 V, 3~, 50-60 Hz, Stainless steel, WHD: 450 x 1600 x 393 mm

# Approvals

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Approvals

IEC CB  
30 - KC Korea  
UL + C-UL (listed)

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Explanations

Declaration of conformity  
Declaration of conformity - F-gas regulation  
Declaration of conformity UK  
PCF-declaration