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SK 3185.830

Wall-mounted cooling unit Blue e+

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ENCLOSURES

POWER DISTRIBUTION

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IT INFRASTRUCTURE

SOFTWARE & SERVICES

FRIEDHELM LOH GROUP



SK 3185.830 - Wall-mounted cooling unit Blue e+ 1.6 - 5.8 kW

A revolution in energy efficiency using innovative hybrid technology. Average 75% energy savings with speed-regulated components and heat pipe technology. Unique multi-voltage capability for worldwide use. Intuitive operation via touch display. Identical mounting cut-out (external mounting, partial internal mounting and full internal mounting) for four output categories (2.0 - 5.8 kW).



Features

Model No.	SK 3185.830
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	Sheet steel
Colour	RAL 7035
Supply includes	RiNano-coated condenser 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: 1.6 kW Cooling output L35 L35/60 Hz: 1.6 kW Cooling output L35 L50/50 Hz: 1.2 kW Cooling output L35 L50/60 Hz: 1.2 kW
Rated operating voltage	110 V - 240 V, 1~, 50 Hz/60 Hz 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.
Note	Tolerance: 110 V -10% (99 V) and 240 V +10% (264 V) / 380 V -10% (342 V) and 480 V +6% (509 V)
Rated power input	0.62 kW
Air throughput (unimpeded air flow)	External circuit: 895 m ³ /h Internal circuit: 700 m ³ /h
Energy efficiency ratio (EER) 50/60 Hz L35 L35	Refrigeration factor L35 L35 (EER) 50 Hz: 3.1 Refrigeration factor L35 L35 (EER) 60 Hz: 3.1
Seasonal energy efficiency ratio (SEER) 50/60 Hz	6.4
Design	wall-mounted
Dimensions	Width: 400 mm Height: 950 mm Depth: 310 mm
Required mounting cut-out	Cut-out width: 383 mm Cut-out height: 929 mm
Protection category to IEC 60 529	Internal circuit IP 55
Standard	UL Type 3R/12
Refrigerant/cooling medium	Refrigerant: R134a Quantity: 0.75 kg Global Warming Potential (GWP): 1,430 CO ₂ equivalent (CO ₂ e): 1.07 t
Temperature control	e+ controller (factory setting +35 °C)
Operating temperature range	-20 °C...60 °C

Features

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: 0.54 kW Power consumption L35 L35/60 Hz: 0.54 kW Power consumption L35 L50/50 Hz: 0.61 kW Power consumption L35 L50/60 Hz: 0.61 kW
Permissible operating pressure (p. max.)	24 bar
Packs of	1 pc(s).
Weight/pack	37.1 kg
Copper weight (kg per piece)	0
Customs tariff number	84158200
EAN	4028177708082
ETIM 7.0	EC000855
ECLASS 8.0	27180704

Approvals

Approvals	TÜV-tested safety UL + C-UL (listed) UL + C-UL - FTFA
Certificates	EAC
Explanations	Declaration of conformity Declaration of conformity - F-gas regulation Declaration of conformity UK

Tender text

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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: 1,6 / 1,6 kW

Total cooling output L35 L50 50/60 Hz: 1,2 / 1,2 kW

Power consumption L35 L35 50/60 Hz: 0,54 / 0,54 kW

Power consumption L35 L50 50/60 Hz: 0,61 / 0,61 kW

Rated power input: 0,62 kW

Rated operating voltage: 110-240 V, 1~, 50/60 Hz; 380-480 V, 3~, 50/60 Hz

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

Dimensions [WxHxD]: 400x950x310 mm

Material: Sheet steel

Colour: RAL 7035

Refrigeration factor (EER) 50/60 Hz: 3,1 / 3,1

Refrigeration factor (SEER) 50/60 Hz: 6,4

Refrigerant / Quantity: R134a / 750 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: 37,1 kg