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SK 3185.837

Wall-mounted cooling unit Blue e+ Dynamic

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FRIEDHELM LOH GROUP



SK 3185.837 - Wall-mounted cooling unit Blue e+ Dynamic

3,412 BTU/h - 8,872 BTU/h

The Blue e+ Dynamic series of cooling units is designed specifically for use in dynamic applications. The devices are tested to DNV-CG-0339 and are therefore ideal for use on board ships (e.g. enclosures in the engine room). Their exceptionally stable mechanical design makes these cooling units suitable for any application that creates high vibration levels on the device, such as applications in ports (cranes), logistics (storage and retrieval systems) and airports (baggage handling systems).

Features

Model No.	SK 3185.837
Version	wall-mounted Dynamic
Benefits	More efficiency: Exceptional seasonal energy efficiency ratio (SEER) > 6.2 More flexibility: Suitable for versatile use in dynamic applications without expensive infrastructure measures. Easily retro-fitted too. Enhanced reliability: Maximum reliability, less maintenance-intensive and ready to use at short notice Added simplicity: Effortless planning, operation and installation
Applications	For maritime and dynamic applications
Material	Carbon steel
Color	RAL 7035
Supply includes	Condenser with hydrophobic RiNano coating Integral electric condensate evaporation Assembly components Wired ready for connection (plug-in terminal strip)
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.

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 Cooling output L35 L35/50 Hz: 5,459 BTU/h Cooling output L35 L35/60 Hz: 5,459 BTU/h Cooling output L35 L50/50 Hz: 4,095 BTU/h Cooling output L35 L50/60 Hz: 4,095 BTU/h
Rated operating voltage	110 V - 240 V, 1~, 50 Hz/60 Hz 380 V - 440 V, 3~, 50 Hz/60 Hz
Note	To meet the EMC requirements of the DNV classification guidelines (DNV-CG-0339), an additional EMC coil (SK 3124.010) must be installed in the power supply cable of the cooling unit 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.
Hint Construction	Partial installation not supported
Rated output	0.7 kW
Air throughput (unimpeded air flow)	External circuit: 895 m³/h Internal circuit: 700 m³/h External circuit: 526.8 cfm Internal circuit: 412 cfm
Energy efficiency ratio (EER) 50/60 Hz L35 L35	Refrigeration factor L35 L35 (EER) 50 Hz: 2.96 Refrigeration factor L35 L35 (EER) 60 Hz: 2.96
Seasonal energy efficiency ratio (SEER) 50/60 Hz	6.4
Dimensions	Width: 400 mm Height: 950 mm Depth: 310 mm Width: 15.7 " Height: 37.4 " Depth: 12.2 "
Required mounting cut-out	Width of opening: 383 mm Cut-out height: 929 mm Width of opening: 15.1 " Cut-out height: 36.6 "

Features

Protection category IP to EN 60529	Internal circuit IP 55
Refrigerant/cooling medium	Refrigerant: R-513A Quantity: 0.76 kg Global Warming Potential (GWP): 631 CO2 equivalent (CO2e): 0.48 t Refrigerant: R-513A Quantity: 1.7 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: 0.54 kW Rated power L35 L35/60 Hz: 0.54 kW Rated power L35 L50/50 Hz: 0.61 kW Rated power L35 L50/60 Hz: 0.61 kW
Permissible operating pressure (p. max.)	24 bar 348.1 PSI
Packaging unit	1 pc(s).
Net weight	40
Gross weight	46
Customs tariff number	84158200
EAN	4028177977259

Approvals

Approvals	DNV-GL
Certificates	EAC
Explanations	Declaration of conformity - F-gas regulation