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SK 3185.837

Wall-mounted Blue e+ Dynamic cooling unit

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FRIEDHELM LOH GROUP

SK 3185.837 - Wall-mounted Blue e+ Dynamic cooling unit 3,412 BTU/h - 8,872 BTU/h

The Blue e+ Dynamic cooling unit series was designed for use in dynamic applications. The enclosures are tested according to DNV-CG-0339 and are especially suited for use on ships (e.g. enclosures in the machine room). Due to the extremely stable mechanical design, the cooling units are suitable for all applications where the device is subject to high vibration loads, such as in ports (crane systems), logistics (storage and retrieval systems) and airports (luggage forwarding systems).

Features

Model No.	SK 3185.837
Version	wall-mounted Dynamic
Benefits	Greater efficiency: very high seasonal energy efficiency ratio (SEER) > 6.2 Greater flexibility: Versatile use in dynamic applications without complex infrastructure measures – even retrofitting is easy to implement Greater safety: maximum reliability, less maintenance and quickly ready for use Greater simplicity: effortless planning, operation and mounting
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
Rated operating voltage	110 V - 240 V, 1~, 50 Hz/60 Hz 380 V - 480 V, 3~, 50 Hz/60 Hz
Note	To meet the EMC requirements of the DNV class guideline (DNV-CG-0339), it is necessary to install an additional EMC coil (SK 3124.010) in the mains 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 possible
Rated output	0.7 kW
Air throughput (unimpeded air flow)	External circuit: 895 m³/h Internal circuit: 700 m³/h
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	5.5
Dimensions	Width: 400 mm Height: 950 mm Depth: 310 mm
Required mounting cut-out	Width of opening: 383 mm Cut-out height: 929 mm
Protection category IP to EN 60 529	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
Temperature control	e+ controller (factory setting +35 °C)
Operating temperature range	-20 °C...60 °C
Storage temperature range	-40 °C...70 °C

Features

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
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
Packaging unit	1 pc(s).
Net weight	40
Gross weight	46
Customs tariff number	84158200
EAN	4028177977259

Approvals

Approvals	DNV-GL 30 - KC Korea
Certificates	EAC
Explanations	Declaration of conformity - F-gas regulation