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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 1.0 kW – 2.6 kW

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
Design	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	Sheet steel
Colour	RAL 7035
Supply includes	Condenser with hydrophobic RiNano coating 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 - 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 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.
Hint Construction	Partial installation not supported
Rated power input	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	6.4
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
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
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).
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