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SK 3484.837

Wall-mounted Blue e+ Dynamic cooling unit

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SOFTWARE & SERVICES

FRIEDHELM LOH GROUP



SK 3484.837 - 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 3484.837
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	<p>Cooling output L35 L35/50 Hz: 1 kW</p> <p>Cooling output L35 L35/60 Hz: 1 kW</p> <p>Cooling output L35 L50/50 Hz: 0.67 kW</p> <p>Cooling output L35 L50/60 Hz: 0.67 kW</p>
Rated operating voltage	<p>110 V - 240 V, 1~, 50 Hz/60 Hz</p> <p>380 V - 480 V, 3~, 50 Hz/60 Hz</p>
Note	<p>In order to comply with the EMC requirements as per DNV-CG-0339, an additional coil (SK 3124.010) must be installed in the cooling device power supply line for each phase. Operation with this coil is only possible for 220-240 V, 1~, 380-440 V, 3~, 50/60 Hz. The SK 3187.937 device can only be used in 3-phase operation.</p> <p>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.</p>
Hint Construction	Partial installation not possible
Rated output	0.7 kW
Air throughput (unimpeded air flow)	<p>External circuit: 895 m³/h</p> <p>Internal circuit: 700 m³/h</p>
Energy efficiency ratio (EER) 50/60 Hz L35 L35	<p>Refrigeration factor L35 L35 (EER) 50 Hz: 3.57</p> <p>Refrigeration factor L35 L35 (EER) 60 Hz: 3.57</p>
Dimensions	<p>Width: 400 mm</p> <p>Height: 950 mm</p> <p>Depth: 310 mm</p>
Required mounting cut-out	<p>Width of opening: 383 mm</p> <p>Cut-out height: 929 mm</p>
Protection category IP to EN 60529	Internal circuit IP 55
Refrigerant/cooling medium	<p>Refrigerant: R-1234yf</p> <p>Quantity: 0.77 kg</p> <p>Refrigerant quantity in compression system: 0.48 kg</p> <p>Refrigerant quantity in heat pipe system: 0.29 kg</p> <p>Global Warming Potential (GWP): 0.5</p> <p>CO₂ equivalent (CO₂e): 0 t</p>
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
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: 0.28 kW Rated power L35 L35/60 Hz: 0.28 kW Rated power L35 L50/50 Hz: 0.38 kW Rated power L35 L50/60 Hz: 0.38 kW
Permissible operating pressure (p. max.)	24 bar
Packaging unit	1 pc(s).
Gross weight	46.5 kg
PCF/VE (cradle-to-gate)	172.35 kg CO2 eq (Cat B)
Information regarding the PCF class	Category B: PCF value (cradle-to-gate) calculated approximately on the basis of the product weight and self-declared
Customs tariff number	84158200
Product description	SK Blue e+ cooling unit, wall-mounted, 1.0 kW, 110–240 V, 1~, 380–480 V, 3~, 50–60 Hz, carbon steel, W x H x D: 400 x 950 x 310 mm

Approvals

Explanations	Declaration of conformity - F-gas regulation
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