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## SK 3485.837

# Wall-mounted cooling unit Blue e+ Dynamic

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FRIEDHELM LOH GROUP



# SK 3485.837 - 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 3485.837
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	<p>Cooling output L35 L35/50 Hz: 1.6 kW</p> <p>Cooling output L35 L35/60 Hz: 1.6 kW</p> <p>Cooling output L35 L50/50 Hz: 1.1 kW</p> <p>Cooling output L35 L50/60 Hz: 1.1 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>To comply with EMC specifications as set out in DNV-CG-0339, one additional line reactor (SK 3124.010) per phase must be installed in the mains infeed to the cooling unit. This line reactor only supports operation with 220-240 V, 1~, 380-440 V, 3~, 50/60Hz. The cooling unit SK 3187.937 may only be used in three-phase mode.</p> <p>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.</p>
Hint Construction	Partial installation not supported
Rated power input	0.7 kW
Air throughput (unimpeded air flow)	<p>External circuit: 895 m<sup>3</sup>/h</p> <p>Internal circuit: 700 m<sup>3</sup>/h</p>
Energy efficiency ratio (EER) 50/60 Hz L35 L35	<p>Refrigeration factor L35 L35 (EER) 50 Hz: 2.96</p> <p>Refrigeration factor L35 L35 (EER) 60 Hz: 2.96</p>
Seasonal energy efficiency ratio (SEER) 50/60 Hz	5.4
Dimensions	<p>Width: 400 mm</p> <p>Height: 950 mm</p> <p>Depth: 310 mm</p>
Required mounting cut-out	<p>Cut-out width: 383 mm</p> <p>Cut-out height: 929 mm</p>
Protection category to IEC 60 529	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>CO<sub>2</sub> equivalent (CO<sub>2</sub>e): 0 t</p>
Temperature control	e+ controller (factory setting +35 °C)

# Features

Operating temperature range	-20 °C...60 °C
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).
Net weight	40 kg
Gross weight	46 kg
PCF per pack (cradle-to-gate)	172.35 kg CO2 eq (Cat B)
Note on PCF category	Category B: PCF value (cradle-to-gate) based on the product weight, approximately calculated and self-declared
Customs tariff number	84158200
Product description	SK Blue e+ cooling unit, wall-mounted, dynamic, 1.6 kW, R-1234yf, 110-240 V, 1~, 380-480 V, 3~, 50-60 Hz, sheet steel, WxHxD: 400 x 950 x 310 mm

# Approvals

Explanations	Declaration of conformity - F-gas regulation
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