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## SK 3185.837

# Wall-mounted cooling unit Blue e+ Dynamic

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# 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<br>Dynamic   |
| Benefits        | More efficiency: Exceptional seasonal energy efficiency ratio (SEER) > 6.2<br>More flexibility: Suitable for versatile use in dynamic applications without expensive infrastructure measures. Easily retro-fitted too.<br>Enhanced reliability: Maximum reliability, less maintenance-intensive and ready to use at short notice<br>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<br>Integral electric condensate evaporation<br>Assembly parts<br>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: 1.2 kW</p> <p>Cooling output L35 L50/60 Hz: 1.2 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 | 5.5  |
| 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-513A</p> <p>Quantity: 0.76 kg</p> <p>Global Warming Potential (GWP): 631</p> <p>CO<sub>2</sub> equivalent (CO<sub>2</sub>e): 0.48 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   |
| 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<br>Power consumption L35 L35/60 Hz: 0.54 kW<br>Power consumption L35 L50/50 Hz: 0.61 kW<br>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  |
| Customs tariff number                                       | 84158200   |
| Product description   | SK Cooling unit Blue e+, wall-mounted, 1.6 kW, 110-240 V, 1~, 380-480 V, 3~, 50-60 Hz, sheet steel, WHD: 400 x 950 x 310 mm  |

# Approvals

|              |  |
|--------------|--|
| Approvals    | DNV-GL<br>30 - KC Korea                      |
| Explanations | Declaration of conformity - F-gas regulation |