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## SK 3184.837

## Wall-mounted cooling unit Blue e+ Dynamic

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SOFTWARE & SERVICES

FRIEDHELM LOH GROUP



# SK 3184.837 - Wall-mounted cooling unit Blue e+ Dynamic

## 3,412 BTU/h - 8,872 BTU/h

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 3184.837   |
| Version         | 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        | Carbon steel  |
| Color           | RAL 7035  |
| Supply includes | Condenser with hydrophobic RiNano coating<br>Integral electric condensate evaporation<br>Assembly components<br>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.<br>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 kW<br>Cooling output L35 L35/60 Hz: 1 kW<br>Cooling output L35 L50/50 Hz: 0.67 kW<br>Cooling output L35 L50/60 Hz: 0.67 kW   |
| Rated operating voltage                                     | 110 V - 240 V, 1~, 50 Hz/60 Hz<br>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<br>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 supported   |
| Rated output  | 0.7 kW   |
| Air throughput (unimpeded air flow)                         | External circuit: 895 m³/h<br>Internal circuit: 700 m³/h   |
| Energy efficiency ratio (EER) 50/60 Hz L35 L35              | Refrigeration factor L35 L35 (EER) 50 Hz: 3.57<br>Refrigeration factor L35 L35 (EER) 60 Hz: 3.57   |
| Dimensions  | Width: 400 mm<br>Height: 950 mm<br>Depth: 310 mm   |
| Required mounting cut-out                                   | Width of opening: 383 mm<br>Cut-out height: 929 mm   |
| Protection category IP to EN 60 529                         | Internal circuit IP 55   |
| Refrigerant/cooling medium                                  | Refrigerant: R-513A<br>Quantity: 0.76 kg<br>Global Warming Potential (GWP): 631<br>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   |
| Operating temperature range of refrigerant circuit (active) | 3 °C...60 °C   |

## Features

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|--|--|
| 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<br>Rated power L35 L35/60 Hz: 0.28 kW<br>Rated power L35 L50/50 Hz: 0.37 kW<br>Rated power L35 L50/60 Hz: 0.37 kW |
| Permissible operating pressure (p. max.) | 24 bar   |
| Packaging unit                           | 1 pc(s).   |
| Net weight                               | 40.5   |
| Gross weight                             | 46.5   |
| Customs tariff number                    | 84158200   |
| EAN                                      | 4028177977266  |

## Approvals

|              |  |
|--------------|--|
| Approvals    | DNV-GL                                       |
| Certificates | EAC  |
| Explanations | Declaration of conformity - F-gas regulation |