Rittal – The System.

Faster – better – everywhere.



SK 3485.837

Wall-mounted Blue e+ Dynamic cooling unit

State: 11/15/2026 (Source: www.rittal.com/us-en)

SK 3485.837 - 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 3485.837
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	Cooling output L35 L35/50 Hz: 1.6 kW Cooling output L35 L35/60 Hz: 1.6 kW Cooling output L35 L50/50 Hz: 1.1 kW Cooling output L35 L50/60 Hz: 1.1 kW Cooling output L35 L35/50 Hz: 5,459 BTU/h Cooling output L35 L35/60 Hz: 5,459 BTU/h Cooling output L35 L50/50 Hz: 3,753 BTU/h Cooling output L35 L50/60 Hz: 3,753 BTU/h
Rated operating voltage	110 V - 240 V, 1~, 50 Hz/60 Hz 380 V - 480 V, 3~, 50 Hz/60 Hz
Note	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. 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. To protect the Blue e+ cooling units, a suitable overvoltage protection must be provided: - Operating voltage < 460 V (3~): Uc 275 V, Imax 40 kA, In 20 kA, Up 1.5 kV. - Operating voltage > 460 V (3~): Uc 385 V, Imax 40 kA, In 20 kA, Up 1.5 kV. Tolerance: 110 V -10% (99 V) and 240 V +10% (264 V) / 380 V -10% (342 V) and 480 V +6% (509 V)
Hint Construction	Partial installation not possible
Rated output	0.7 kW
Air throughput (unimpeded air flow)	External circuit: 895 m³/h Internal circuit: 700 m³/h External circuit: 526.8 cfm Internal circuit: 412 cfm
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	5.4

© Rittal 2026

Features

Dimensions	Width: 400 mm Height: 950 mm Depth: 310 mm Width: 15.7 ″ Height: 37.4 ″ Depth: 12.2 ″
Required mounting cut-out	Width of opening: 383 mm Cut-out height: 929 mm Width of opening: 15.1 ″ Cut-out height: 36.6 ″
Protection category IP to EN 60 529	Internal circuit IP 55
Refrigerant/cooling medium	Refrigerant: R-1234yf Quantity: 0.77 kg Refrigerant quantity in compression system: 0.48 kg Refrigerant quantity in heat pipe system: 0.29 kg Global Warming Potential (GWP): 0.5 CO2 equivalent (CO2e): 0 t Refrigerant: R-1234yf Quantity: 1.7 lb.
Temperature control	e+ controller (factory setting +35 °C)
Operating temperature range	-20 °C...60 °C -4 °F...140 °F
Storage temperature range	-40 °C...70 °C -40 °F...158 °F
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 68 °F...122 °F
Rated power Pel	Rated power L35 L35/50 Hz: 0.54 kW Rated power L35 L35/60 Hz: 0.54 kW Rated power L35 L50/50 Hz: 0.61 kW Rated power L35 L50/60 Hz: 0.61 kW

Features

Permissible operating pressure (p. max.)	24 bar 348.1 PSI
Packaging unit	1 pc(s).
Net weight	40.5 kg
Gross weight	46 kg
PCF/VE (cradle-to-gate)	206.82 kg CO2 eq (Cat B)
CRA risk class	Default (Low Risk)
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, 1.6 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 Declaration of conformity - F-gas regulation PCF-declaration