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SK 3334.440 Hybrid IT Blue e+ chiller

State: 2025-08-18 (Source: [rittal.com/ca-en](https://www.rittal.com/ca-en))

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FRIEDHELM LOH GROUP



SK 3334.440 - Hybrid IT Blue e+ chiller

The Blue e+ hybrid IT chiller combines cooling via the cooling circuit with an integral free cooler to boost energy efficiency when operated during the cooler seasons. Pumps with high-efficiency IE3 motors are also used. An aluminium enclosure with outdoor spray-finishing is suitable for outdoor siting without the need for an additional canopy.

Features

Model No.	SK 3334.440
Version	Outdoor
Benefits	Integral free cooler helps to boost energy efficiency Constant, precise cooling with a temperature accuracy of ± 0.5 K Optimum weather protection with UV-resistant spray finish and protected touch display Wide operating temperature range from -20 °C to 45 °C Suitable for international use due to its unique multi-voltage capability (without rewiring) and high operating limits Integral heater for pre-heating the medium
Material	Aluminum AlMg3
Surface finish	UV-resistant
Color	Textured RAL 7035
Supply includes	Complete unit ready for connection (plug-in terminal strip) Multilingual documentation
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.
Protection category IP to EN 60529	IP 24 IP 54 (electrics)
Total cooling output to DIN EN 14511 Tw18 / Tu35	Cooling output Tw18 Tu35/50 Hz: 5 kW Cooling output Tw18 Tu35/60 Hz: 4.8 kW
Rated operating voltage	380 V - 415 V, 3~, 50 Hz 440 V - 480 V, 3~, 60 Hz

Features

Dimensions	Width: 450 mm Height: 1,020 mm Depth: 710 mm
Temperature control	e+ controller (factory setting +20 °C)
Operating temperature range	-20 °C...45 °C
Operating temperature range of cooling medium	10 °C...35 °C
Refrigerant/cooling medium	Refrigerant: R-513A Quantity: 1.2 kg Global Warming Potential (GWP): 631
Pump pressure	At 50 Hz: 2.9 bar
Volumetric flow (cooling medium)	At 50 Hz: 14 l/min At 60 Hz: 14 l/min
Rated power Pel	At 50 Hz: 2.55 kW At 60 Hz: 2.73 kW
Rated current max.	At 50 Hz: 4.04 A At 60 Hz: 3.78 A
Pre-fuse	Miniature circuit-breaker/fuse: 16 A
Water circuit	Pressure-sealed
Water connections	¾" internal thread
Number of cooling circuits	1
Packaging unit	1 pc(s).
Net weight	104
Gross weight	114
ETIM 9	EC002516