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SK 3334.440

Chiller Blue e+ Hybrid IT

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FRIEDHELM LOH GROUP

SK 3334.440 - Chiller Blue e+ Hybrid IT

The Blue e+ Hybrid IT Chiller combines cooling via a refrigeration circuit with a directly integrated free cooler, thereby increasing energy efficiency during operation in cold seasons. Pumps with highly efficient IE3 motors are also used. Thanks to the use of an aluminum housing with an outdoor coating, the device is suitable for outdoor installation without an additional roof.

Features

Model No.	SK 3334.440
Version	Outdoor
Benefits	Integrated free cooler increases energy efficiency Constant, precise cooling thanks to temperature accuracy of +-0.5 K Optimum weather protection thanks to UV-resistant coating and protected touch display High application limits from –20 °C to 45 °C Suitable for international use due to its unique multi-voltage capability (without rewiring) and high operating limits Integrated heating for medium pre-tempering
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 60 529	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

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Features

Dimensions	Width: 450 mm Height: 1,020 mm Depth: 710 mm Width: 17.7 ″ Height: 40.2 ″ Depth: 28 ″
Temperature control	e+ controller (factory setting +20 °C)
Operating temperature range	-20 °C...45 °C -4 °F...113 °F
Operating temperature range of cooling medium	5 °C...35 °C 41 °F...95 °F
Refrigerant/cooling medium	Refrigerant: R-513A Quantity: 1.2 kg Global Warming Potential (GWP): 631 Refrigerant: R-513A Quantity: 2.6 lb.
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: 15 A
Water circuit	Pressure-sealed
Water connections	¾" internal thread
Number of cooling circuits	1
Operating weight	115 kg 253.5 lb.
Packaging unit	1 pc(s).
Net weight	104 kg
Gross weight	114 kg

Features

CRA risk class	Default (Low Risk)
Customs tariff number	84186900
ETIM 9	EC002516
Product description	Blue e+ Hybrid IT chiller 5 kW, 380-415 V, 3~, 50 Hz, 440-480 V, 3~, 60 Hz, WxHxD: 450 x 1020 x 710 mm

Approvals

Explanations	Declaration of conformity Declaration of conformity - F-gas regulation