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SK 3334.480

Hybrid IT Blue e+ chiller

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SK 3334.480 - 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 3334.480
Design	Outdoor
Benefits	Integral free cooler helps to boost energy efficiency Constant, precise cooling with a temperature accuracy of +-0.5 K Suitable for outdoor siting: 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 thanks to its unique multi-voltage capability (without rewiring) and high operating limits Integral heater for pre-heating the medium
Material	Aluminium AlMg3
Surface finish	UV-resistant
Colour	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 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.
Protection category to IEC 60 529	IP 24 IP 54 (electrics)
Total cooling output to DIN EN 14511 Tw18 / Tu35	Cooling output Tw18 Tu35/50 Hz: 6.7 kW Cooling output Tw18 Tu35/60 Hz: 6.4 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
Temperature control	e+ controller (factory setting +20 °C)
Operating temperature range	-20 °C...45 °C
Operating temperature range of cooling medium	5 °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: 18.5 l/min At 60 Hz: 18.5 l/min
Power consumption Pel	At 50 Hz: 2.44 kW At 60 Hz: 2.71 kW
Rated current max.	At 50 Hz: 3.57 A At 60 Hz: 4.13 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	120 kg
Packs of	1 pc(s).
Net weight	109 kg
Gross weight	119 kg
CRA risk class	Default (Low Risk)
Customs tariff number	84186900
ETIM 9	EC000855
Product description	Blue e+ Hybrid IT chiller 6.7 kW, 380-415 V, 3~, 50 Hz, 440-480 V, 3~, 60 Hz, WxHxD: 450 x 1020 x 710 mm

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Approvals

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

Tender text

The Blue e+ Hybrid IT Chiller combines cooling via a refrigeration cycle with a directly integrated free cooler, thereby increasing energy efficiency during operation in cold seasons.
In addition, pumps with highly efficient IE3 motors are used.
Thanks to its aluminum housing with outdoor paint finish, the unit is suitable for outdoor installation without additional roofing.
Centralized and efficient cooling of liquid media with high temperature accuracy is achieved through innovative DC inverter technology, and worldwide use is made possible by unique multi-voltage capability (without rewiring).
Maximum safety is ensured by an integrated overflow valve and monitoring sensors, while intuitive operation is achieved through a touch display and intelligent interfaces.
A compact and modular design ensures minimal floor space.
Cooling capacity TW18 TU35, 50/60 Hz: 6.7 / 6.4 kW
Rated power 50/60 Hz: 2.44 / 2.71 kW
Cooling medium flow rate 50/60 Hz: 18,5 l/min
Pump pressure (max.) at 50 Hz: 2.9 bar
Rated current 50/60 Hz: 3.57 / 4.13 A
Rated operating voltage: 380-415 V, 3~, 50 Hz; 440-480 V, 3~, 60 Hz
Temperature control: e+ controller (factory setting +20 °C)
Dimensions [WxHxD]: 450x1020x710 mm
Color: aluminum with outdoor paint finish, RAL 7035
Expansion vessel (material): steel
Expansion vessel (capacity): 5 l
Refrigerant type/quantity: R-513A/1200 g
Number of refrigeration circuits: 1
Temperature hysteresis: +/- 0.5 K
Water connections: 2x 3/4" female thread
Water circuit: Pressure-tight
Operating temperature: -20 °C to 45 °C
Liquid media temperature: 10 °C to 35 °C
Protection class IP according to IEC 60529: IP 24
Weight: 110 kg

Note:
For remote monitoring and networking of cooling units and chillers of the Blue e+ generation, use the IoT interface with item number 3124.300. Increase machine availability and

process reliability through remote monitoring of device data, statuses and system messages.