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SK 3334.300 Blue e+ chiller

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SOFTWARE & SERVICES

FRIEDHELM LOH GROUP



SK 3334.300 - Blue e+ chiller 5118.2 - 23,898 BTU/h

Blue e+ chillers are efficient, flexible and compact. The cooling water is centrally cooled, supplying the air/water heat exchanger and other systems an efficient cooling solution. Up to 70% energy saved due to speed-regulated components and inverter technology. International approvals and multi-voltage capability for worldwide use. Intuitive operation using touch display and intelligent communication interfaces ensure convenient operation and analysis.

Features

Model No.	SK 3334.300
Benefits	<p>Blue e+ chillers ensure central and efficient cooling of liquid media with a high level of temperature precision and innovative DC inverter technology</p> <p>Suitable for international use due to its unique multi-voltage capability (without rewiring) and high operating limits</p> <p>Maximum safety due to integrated overflow valve and monitoring sensors</p> <p>Intuitive operation due to touch display and intelligent interfaces</p> <p>Compact and modular layout ensures minimum footprint</p> <p>Pumps with highly-efficient IE3 motors</p>
Color	Textured RAL 7035
Supply includes	<p>Complete unit ready for connection (plug-in terminal strip)</p> <p>Multilingual documentation</p>
Options	<p>For remote monitoring and networking of cooling units and chillers, use the Blue e+ Generation IoT Interface, item number 3124.300.</p> <p>Increase machine availability and process safety by remote monitoring of device data, condition, and system messages.</p>
Protection category IP to EN 60529	<p>IP 24</p> <p>IP 54 (electrics)</p>
Total cooling output Tw10 / Tu32	<p>Cooling output Tw10 Tu32/50 Hz: 2.87 kW</p> <p>Cooling output Tw10 Tu32/60 Hz: 2.77 kW</p> <p>Cooling output Tw10 Tu32/50 Hz: 9,793 BTU/h</p> <p>Cooling output Tw10 Tu32/60 Hz: 9,452 BTU/h</p>

Features

Total cooling output Tw18 / Tu32	Cooling output Tw18 Tu32/50 Hz: 4.18 kW Cooling output Tw18 Tu32/60 Hz: 4.08 kW Cooling output Tw18 Tu32/50 Hz: 14,263 BTU/h Cooling output Tw18 Tu32/60 Hz: 13,922 BTU/h
Total cooling output to DIN EN 14511 Tw18 / Tu35	Cooling output Tw18 Tu35/50 Hz: 4 kW Cooling output Tw18 Tu35/60 Hz: 3.9 kW
Air throughput (unimpeded air flow)	At 50 Hz: 1,850 m³/h At 60 Hz: 1,850 m³/h At 50 Hz: 1,088.9 cfm At 60 Hz: 1,088.9 cfm
Rated operating voltage	380 V - 415 V, 3~, 50 Hz 440 V - 480 V, 3~, 60 Hz
Dimensions	Width: 450 mm Height: 820 mm Depth: 710 mm Width: 17.7 " Height: 32.3 " Depth: 28 "
Note	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.
Temperature control	e+ controller (factory setting +20 °C)
Operating temperature range	-5 °C...50 °C 23 °F...122 °F
Storage temperature range	-40 °C...70 °C -40 °F...158 °F
Operating temperature range of cooling medium	5 °C...35 °C 41 °F...95 °F
Temperature hysteresis	± 0.5 K
Refrigerant/cooling medium	Refrigerant: R-513A Quantity: 0.7 kg Global Warming Potential (GWP): 631 CO2 equivalent (CO2e): 0.44 t Refrigerant: R-513A Quantity: 1.5 lb.

Features

Pump pressure	At 50 Hz: 2.9 bar
Volumetric flow (cooling medium)	At 50 Hz: 15 l/min
Rated power Pel	At 50 Hz: 2.63 kW At 60 Hz: 2.9 kW
Rated current max.	At 50 Hz: 4 A At 60 Hz: 3.8 A
Pre-fuse	Miniature circuit-breaker/fuse: 15 A
Refrigeration factor (EER) 50 Hz Tw18 / Tu35 DIN EN 14511	2.53
Water circuit	hermetically open
Water connections	¾" internal thread
Number of cooling circuits	1
Tank	Material: Plastic PE Volume: 12 l
Packaging unit	1 pc(s).
Net weight	90
Gross weight	107
Customs tariff number	84186900
EAN	4028177809840
ETIM 9	EC002516
ETIM 8	EC002516
ECLASS 8.0	27180713

Approvals

Approvals	UL + C-UL (listed)
Explanations	Declaration of conformity Declaration of conformity - F-gas regulation