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SK 3320.200 Blue e+ chiller

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ENCLOSURES

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SOFTWARE & SERVICES

FRIEDHELM LOH GROUP



SK 3320.200 - 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

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| Model No. | SK 3320.200 |
| Benefits | Blue e+ chillers ensure central and efficient cooling of liquid media with a high level of temperature precision and innovative DC inverter technology Suitable for international use due to its unique multi-voltage capability (without rewiring) and high operating limits Maximum safety due to integrated overflow valve and monitoring sensors Intuitive operation due to touch display and intelligent interfaces Compact and modular layout ensures minimum footprint Pumps with highly-efficient IE3 motors |
| 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 Tw10 / Tu32 | Cooling output Tw10 Tu32/50 Hz: 1.81 kW Cooling output Tw10 Tu32/60 Hz: 1.71 kW Cooling output Tw10 Tu32/50 Hz: 6,176 BTU/h Cooling output Tw10 Tu32/60 Hz: 5,835 BTU/h |

Features

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| Total cooling output Tw18 / Tu32 | Cooling output Tw18 Tu32/50 Hz: 2.61 kW Cooling output Tw18 Tu32/60 Hz: 2.51 kW Cooling output Tw18 Tu32/50 Hz: 8,906 BTU/h Cooling output Tw18 Tu32/60 Hz: 8,564 BTU/h |
| Total cooling output to DIN EN 14511 Tw18 / Tu35 | Cooling output Tw18 Tu35/50 Hz: 2.5 kW Cooling output Tw18 Tu35/60 Hz: 2.4 kW |
| Air throughput (unimpeded air flow) | At 50 Hz: 1,100 m ³ /h At 60 Hz: 1,100 m ³ /h At 50 Hz: 647.4 cfm At 60 Hz: 647.4 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: 0.65 kg Global Warming Potential (GWP): 631 CO ₂ equivalent (CO ₂ e): 0.41 t Refrigerant: R-513A Quantity: 1.4 lb. |

Features

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| Pump pressure | At 50 Hz: 2.4 bar |
| Volumetric flow (cooling medium) | At 50 Hz: 7 l/min |
| Rated power Pel | At 50 Hz: 1.35 kW At 60 Hz: 1.55 kW |
| Rated current max. | At 50 Hz: 2.1 A At 60 Hz: 2 A |
| Pre-fuse | Miniature circuit-breaker/fuse: 16 A |
| Refrigeration factor (EER) 50 Hz Tw18 / Tu35 DIN EN 14511 | 2.06 |
| 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 | 84 kg |
| Gross weight | 100 kg |
| Customs tariff number | 84186900 |
| ETIM 9 | EC002516 |
| ETIM 8 | EC002516 |
| ECLASS 8.0 | 27180713 |
| Product description | SK Chiller Blue e+, 8906 BTU/h, 380-415 V, 440-480 V, 3~, 50/60 Hz, WHD: 450 x 820 x 710 mm |

Approvals

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| Approvals | IEC CB UL + C-UL (listed) |
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Approvals

Explanations

Declaration of conformity

Declaration of conformity - F-gas regulation