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Chillers Blue e+ 1 - 6 kW – SK 3334.300

Date : Sep 5, 2019

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FRIEDHELM LOH GROUP



Chillers Blue e+ 1 - 6 kW – SK 3334.300

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Product description

Benefits: Blue e+ chillers ensure centralised and efficient cooling of liquid media with a high level of temperature accuracy and innovative DC inverter technology
Suitable for international use thanks to its unique multi-voltage capability (without rewiring) and high operating limits
Maximum reliability thanks to integral 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

Technical specifications: Total cooling output tested to DIN EN 14511

Colour: Textured RAL 7035

Protection category IP to IEC 60 529: IP 24

Supply includes: Complete unit ready for connection (plug-in terminal strip)
Multilingual documentation

Note: Total cooling output tested to DIN EN 14511

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.

Product features

Total cooling output: For TW = 18 °C/TU = 35 °C and 50/60 Hz: 4 kW / 3,9 kW

Air throughput (unimpeded air flow): At 50 Hz: 1850 m³/h
At 60 Hz: 1850 m³/h

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|---|---|
| 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 |
| Temperature control: | e+ controller (factory setting +20 °C) |
| Temperature range: | Operation (environment): -5 °C...+50 °C Liquid media: +5 °C...+35 °C |
| Temperature hysteresis: | ± 0.5 K |
| Refrigerant/cooling medium: | Refrigerant: R134a Quantity: 760 g Global Warming Potential (GWP): 1430 CO ₂ equivalent (CO ₂ e): 1.09 t |
| Pump pressure: | At 50 Hz: 2.9 bar At 60 Hz: 4.3 bar |
| Power consumption P_{eI}: | At 50 Hz: 1.66 kW At 60 Hz: 1.91 kW |
| Rated current max.: | At 50 Hz: 3.95 A At 60 Hz: 3.47 A |
| Miniature circuit-breaker/fuse: | 15 A |
| Energy efficiency ratio (EER) 50 Hz Tw18/Tu35 to DIN EN 14511: | 2.8 |
| Water circuit: | hermetically open |
| Water connections: | ¾" internal thread |
| Number of cooling circuits: | 1 |
| Tank: | Contents: 12 l Material: PE plastic |
| Packs of: | 1 pc(s). |
| Weight/pack: | 90 kg |
| EAN: | 4028177809840 |

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|-------------------------------|---|
| Customs tariff number: | 84186900 |
| ETIM 6.0: | EC002516 |
| ETIM 5.0: | EC002516 |
| eCl@ss 8.0/8.1: | 27180713 |
| eCl@ss 7.0/7.1: | 27180713 |
| eCl@ss 6.0/6.1: | 27180713 |
| eCl@ss 5.1/5.1.4: | 27180713 |
| Product description: | SK Chiller Blue e+, 4 kW, 380-415 V, 440-480 V, 3~, 50/60 Hz, WHD: 450 x 820 x 710 mm |

Approvals

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|----------------------|---|
| Approvals: | Approval overview UL + C-UL |
| Certificates: | EAC |
| Declarations: | Declaration of conformity Declaration of conformity - F-gas regulation |