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## SK 3334.480

### Chiller Blue e+ Hybrid IT

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FRIEDHELM LOH GROUP

# SK 3334.480 - 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 3334.480   |
| Version         | Outdoor   |
| Benefits        | <p>Integrated free cooler increases energy efficiency</p> <p>Constant, precise cooling thanks to temperature accuracy of <math>\pm 0.5</math> K</p> <p>Optimum weather protection thanks to UV-resistant coating and protected touch display</p> <p>High application limits from <math>-20</math> °C to <math>45</math> °C</p> <p>Suitable for international use due to its unique multi-voltage capability (without rewiring) and high operating limits</p> <p>Integrated heating for medium pre-tempering</p> |
| Material        | Aluminum AlMg3  |
| Surface finish  | UV-resistant  |
| 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>   |

# Features

|  |  |
|--|--|
| Protection category IP to EN 60 529              | IP 24<br>IP 54 (electrics)   |
| Total cooling output to DIN EN 14511 Tw18 / Tu35 | Cooling output Tw18 Tu35/50 Hz: 6.7 kW<br>Cooling output Tw18 Tu35/60 Hz: 6.4 kW |
| Rated operating voltage                          | 380 V - 415 V, 3~, 50 Hz<br>440 V - 480 V, 3~, 60 Hz                             |
| Dimensions                                       | Width: 450 mm<br>Height: 1,020 mm<br>Depth: 710 mm                               |
| Temperature control                              | e+ controller (factory setting +20 °C)   |
| Operating temperature range                      | -20 °C...45 °C   |
| Operating temperature range of cooling medium    | 10 °C...35 °C  |
| Refrigerant/cooling medium                       | Refrigerant: R-513A<br>Quantity: 1.2 kg<br>Global Warming Potential (GWP): 631   |
| Pump pressure                                    | At 50 Hz: 2.9 bar  |
| Volumetric flow (cooling medium)                 | At 50 Hz: 18.5 l/min<br>At 60 Hz: 18.5 l/min                                     |
| Rated power Pel                                  | At 50 Hz: 2.44 kW<br>At 60 Hz: 2.71 kW   |
| Rated current max.                               | At 50 Hz: 3.57 A<br>At 60 Hz: 4.13 A   |
| Pre-fuse   | Miniature circuit-breaker/fuse: 16 A   |
| Water circuit                                    | Pressure-sealed  |
| Water connections                                | ¾" internal thread   |
| Number of cooling circuits                       | 1  |
| Operating weight                                 | 120 kg   |
| Packaging unit                                   | 1 pc(s).   |
| Net weight                                       | 109  |
| Gross weight                                     | 119  |

# Features

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Customs tariff number 84186900

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# Approvals

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Explanations Attestation of Conformity