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SK 3485.830

Wall-mounted cooling unit Blue e+

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ENCLOSURES

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SOFTWARE & SERVICES

FRIEDHELM LOH GROUP



SK 3485.830 - Wall-mounted cooling unit Blue e+ 5459.43 - 18766.8 BTU/h

Energy-efficient Blue e+ wall-mounted cooling units in the 5459.43 - 18766.78 BTU/h power classes. By using speed-controlled components and heat pipe technology, they achieve an average energy saving of 75%. Available in carbon steel and stainless steel.



Features

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|-----------------|---|
| Model No. | SK 3485.830 |
| Version | wall-mounted |
| Benefits | <p>An average of 75% energy savings due to speed-regulated components and heat pipe technology</p> <p>Suitable for international use due to a unique multi-voltage capability</p> <p>Longer service life of the components inside the enclosure and the cooling unit due to component-friendly cooling</p> <p>Intuitive operation due to touch display and intelligent interfaces</p> |
| Product changes | <p>The cover for the connection box for protection for the electrical connection on the cooling unit has not been included in the delivery scope since the start of 2024. Cover 3355.200 and cover 3355.210 can be ordered as an optional accessory.</p> |
| Material | Carbon steel |
| Color | RAL 7035 |
| Supply includes | <p>Condenser with hydrophobic RiNano coating</p> <p>Integral electric condensate evaporation</p> <p>Assembly components</p> <p>Wired ready for connection (plug-in terminal strip)</p> |

Features

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| 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. |
| Total cooling output to DIN EN 14511 | Cooling output L35 L35/50 Hz: 1.6 kW Cooling output L35 L35/60 Hz: 1.6 kW Cooling output L35 L50/50 Hz: 1.1 kW Cooling output L35 L50/60 Hz: 1.1 kW Cooling output L35 L35/50 Hz: 5,459 BTU/h Cooling output L35 L35/60 Hz: 5,459 BTU/h Cooling output L35 L50/50 Hz: 3,753 BTU/h Cooling output L35 L50/60 Hz: 3,753 BTU/h |
| Rated operating voltage | 110 V - 240 V, 1~, 50 Hz/60 Hz 380 V - 480 V, 3~, 50 Hz/60 Hz |
| Note | Please observe the assembly instructions. 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. Only for semi-outdoor use (see instructions for description) |
| Note on Model No.: | Tolerance: 110 V -10% (99 V) and 240 V +10% (264 V) / 380 V -10% (342 V) and 480 V +6% (509 V) |
| Rated output | 0.7 kW |
| Air throughput (unimpeded air flow) | External circuit: 895 m ³ /h Internal circuit: 700 m ³ /h External circuit: 526.8 cfm Internal circuit: 412 cfm |
| Energy efficiency ratio (EER) 50/60 Hz L35 L35 | Refrigeration factor L35 L35 (EER) 50 Hz: 2.96 Refrigeration factor L35 L35 (EER) 60 Hz: 2.96 |
| Seasonal energy efficiency ratio (SEER) 50/60 Hz | 5.4 |
| Version | wall-mounted |

Features

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| Dimensions | Width: 400 mm Height: 950 mm Depth: 310 mm Width: 15.7 " Height: 37.4 " Depth: 12.2 " |
| Required mounting cut-out | Width of opening: 383 mm Cut-out height: 929 mm Width of opening: 15.1 " Cut-out height: 36.6 " |
| Protection category IP to EN 60529 | Internal circuit IP 55 |
| Protection category NEMA | UL Type 12 UL Type 3R |
| Refrigerant/cooling medium | Refrigerant: R-1234yf Quantity: 0.77 kg Refrigerant quantity in compression system: 0.48 kg Refrigerant quantity in heat pipe system: 0.29 kg Global Warming Potential (GWP): 0.5 CO2 equivalent (CO2e): 0 t Refrigerant: R-1234yf Quantity: 1.7 lb. |
| Temperature control | e+ controller (factory setting +35 °C) |
| Operating temperature range | -20 °C...60 °C -4 °F...140 °F |
| Storage temperature range | -40 °C...70 °C -40 °F...158 °F |
| Operating temperature range of refrigerant circuit (active) | 3 °C...60 °C |
| Operating temperature range of heat pipe | -20 °C...45 °C |
| Setting range | 20 °C...50 °C 68 °F...122 °F |

Features

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| Rated power Pel | Rated power L35 L35/50 Hz: 0.54 kW Rated power L35 L35/60 Hz: 0.54 kW Rated power L35 L50/50 Hz: 0.61 kW Rated power L35 L50/60 Hz: 0.61 kW |
| Permissible operating pressure (p. max.) | 24 bar 348.1 PSI |
| Packaging unit | 1 pc(s). |
| Net weight | 40.5 kg |
| Gross weight | 46 kg |
| PCF/VE (cradle-to-gate) | 207.6 kg CO2 eq (Cat B) |
| Information regarding the PCF class | Category B: PCF value (cradle-to-gate) calculated approximately on the basis of the product weight and self-declared |
| Customs tariff number | 84158200 |
| ECLASS 8.0 | 27180704 |
| Product description | SK Blue e+ cooling unit, wall-mounted, 1.6 kW, 110–240 V, 1~, 380–480 V, 3~, 50–60 Hz, carbon steel, W x H x D: 400 x 950 x 310 mm |

Approvals

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