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SK 3187.935

Wall-mounted cooling unit Blue e+ Chemical

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ENCLOSURES

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SOFTWARE & SERVICES

FRIEDHELM LOH GROUP



SK 3187.935 - Wall-mounted cooling unit Blue e+ Chemical 5459.43 - 19790.42 BTU/h

Energy-efficient wall-mounted Blue e+ chemical cooling units in the 5459.43 to 19790.42 BTU/h power classes. Thanks to a special paint finish on the components, they offer optimum protection for contaminated environments - especially in applications where sulfuric acid may be present as an aerosol in the air.

Features

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|-----------------|---|
| Model No. | SK 3187.935 |
| Version | wall-mounted chemical industry version |
| Benefits | An average of 75% energy savings due to speed-regulated components and heat pipe technology Suitable for international use due to its unique multi-voltage capability (without rewiring) and high operating limits Longer service life of the components inside the enclosure and the cooling unit due to component-friendly cooling Intuitive operation due to touch display and intelligent interfaces |
| Applications | Applications where sulfuric acid can be present as an aerosol in the air (e.g. paper industry, food industry, chemical industry, electroplating, offshore sector) |
| Material | Carbon steel |
| Surface finish | Sheet metal parts and electronics spray-finished with clear lacquer Cooling circuit painted with 2-K PUR paint |
| Color | RAL 7035 |
| Supply includes | Condenser with hydrophobic RiNano coating Integral electric condensate evaporation Assembly components Wired ready for connection (plug-in terminal strip) |
| 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. |

Features

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| Total cooling output to DIN EN 14511 | Cooling output L35 L35/50 Hz: 2.6 kW Cooling output L35 L35/60 Hz: 2.6 kW Cooling output L35 L50/50 Hz: 1.7 kW Cooling output L35 L50/60 Hz: 1.7 kW Cooling output L35 L35/50 Hz: 8,872 BTU/h Cooling output L35 L35/60 Hz: 8,872 BTU/h Cooling output L35 L50/50 Hz: 5,801 BTU/h Cooling output L35 L50/60 Hz: 5,801 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 | 1.05 kW |
| Air throughput (unimpeded air flow) | External circuit: 1,250 m ³ /h Internal circuit: 1,250 m ³ /h External circuit: 735.7 cfm Internal circuit: 735.7 cfm |
| Energy efficiency ratio (EER) 50/60 Hz L35 L35 | Refrigeration factor L35 L35 (EER) 50 Hz: 2.63 Refrigeration factor L35 L35 (EER) 60 Hz: 2.63 |
| Seasonal energy efficiency ratio (SEER) 50/60 Hz | 6.2 |
| Version | wall-mounted |
| Dimensions | Width: 450 mm Height: 1,600 mm Depth: 294 mm Width: 17.7 " Height: 63 " Depth: 11.6 " |

Features

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| Required mounting cut-out | Width of opening: 433 mm Cut-out height: 1,579 mm Width of opening: 17 1/2" Cut-out height: 62.2 1/2" |
| Protection category IP to EN 60529 | Internal circuit IP 55 |
| Refrigerant/cooling medium | Refrigerant: R-513A Quantity: 1.07 kg Global Warming Potential (GWP): 631 CO2 equivalent (CO2e): 0.68 t Refrigerant: R-513A Quantity: 2.4 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 |
| Rated power Pel | Rated power L35 L35/50 Hz: 0.99 kW Rated power L35 L35/60 Hz: 0.99 kW Rated power L35 L50/50 Hz: 0.94 kW Rated power L35 L50/60 Hz: 0.94 kW |
| Permissible operating pressure (p. max.) | 24 bar 348.1 PSI |
| Customs tariff number | 84158200 |
| EAN | 4028177935549 |

Approvals

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| Approvals | IEC CB |
| Certificates | EAC |
| Explanations | Declaration of conformity Declaration of conformity - F-gas regulation Declaration of conformity UK |
