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SK 3232.701

Chillers for IT-Cooling

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ENCLOSURES

POWER DISTRIBUTION

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IT INFRASTRUCTURE

SOFTWARE & SERVICES

FRIEDHELM LOH GROUP



SK 3232.701 - Chillers for IT-Cooling

Specifically for cooling IT applications, such as LCP or air/water heat exchangers. Safety-related features such as redundant speed-controlled pumps, two compressors and buffer storage.

Features

| | |
|--------------------------------|---|
| Model No. | SK 3232.701 |
| Benefits | Indirect free cooling—internal and external High-efficiency pumps in the cold-water circuit Inverter-controlled pumps Two high performance compressors Up to 8 chillers can be linked to make a cascade |
| Technical specifications | Compact design with control components in the front and air intake via both side panels, air outlet upwards. Pressure-sealed system Integral bypass |
| Applications | Especially for IT cooling applications, such as LCP CRAC |
| Color | RAL 7035 |
| Supply includes | Chiller wired ready for connection Multilingual documentation Incl. functional diagram and wiring plans |
| Options | Free cooling may be integrated from 15 kW. Please follow the instructions Buffer store for separate siting Emergency cooling with mains water infeed |
| Rated operating voltage | 400 V, 3~, 50 Hz |
| Rated current max. | At 50 Hz: 23 A |
| Tank | Material: Steel tank, with 10 mm condensate insulation Volume: 48 l |
| Cooling output (footnote) | Cooling output makes allowance for 35% glycol |
| Cooling output TW15 TU35/50 Hz | 15 kW |
| Pump pressure | 2.5 bar 36.3 PSI |

Features

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|---|---|
| Pump capacity (at 2.5 bar/50 Hz) | 60 l/min |
| Water connections | G 1½" internal thread |
| Operating weight | 448 kg 987.7 lb. |
| Number of cooling circuits | 1 |
| Monitoring | Monitoring of all system-relevant parameters, such as water inlet, refrigerant and pump parameters and alarms, as well as optional cooling capacities and energy efficiency Direct connection of the unit via SNMP/Modbus using Ethernet Integration into RiZone |
| Note | Technical deviations in terms of cooling output, dimensions or weight are possible for unit types with free cooling. The performance data for the chosen option package varies and should be taken from the IT chiller configurator. We reserve the right to make technical modifications Pump and tank may be selected as options with IT chillers. The relevant technical specifications apply to these configuration variants. |
| Air throughput (unimpeded air flow) | At 50 Hz: 10,880 m³/h At 50 Hz: 6,403.7 cfm |
| Dimensions | Width: 810 mm Height: 1,542 mm Depth: 1,800 mm Width: 31.9 " Height: 60.7 " Depth: 70.9 " |
| Operating temperature range of cooling medium | 5 °C...15 °C 41 °F...59 °F |
| Operating temperature range | -20 °C...43 °C -4 °F...109 °F |
| Permissible operating pressure (p. max.) | 28 bar 406.1 PSI |
| Rated power Pel | At 50 Hz: 6.9 kW |
| Packaging unit | 1 pc(s). |

Features

Customs tariff number 84186900

EAN 4028177682214

ECLASS 8.0 27180713

Approvals

Explanations Declaration of conformity