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SK 3232.701

Chillers for IT-Cooling

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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

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Features

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
ECLASS 8.0	27180713
Product description	SK Chillers for IT cooling, 51182 BTU/h 400 V, 3~, 50 Hz, WHD: 810x1542x1800 mm

Approvals

Explanations	Declaration of conformity