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SK 3312.540

Liquid Cooling Package

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ENCLOSURES

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SOFTWARE & SERVICES

FRIEDHELM LOH GROUP



SK 3312.540 - Liquid Cooling Package LCP Inline CW, LCP Inline CWG

Bayed climate control designed for siting within a bayed enclosure suite. The hot air is extracted at the rear of the unit, cooled and then expelled forwards to the cold aisle.

Features

| | |
|--------------------|---|
| Model No. | SK 3312.540 |
| Benefits | <p>Maximum energy efficiency due to EC fan technology and IT-based control</p> <p>Minimal pressure loss at the air end, which in turn minimizes the power consumption of the fans</p> <p>Optimum adaptability due to dynamic, continuous control of the cold water volume flow</p> <p>By using high water inlet temperatures, the proportion of indirect free cooling is increased, which in turn reduces operating costs</p> <p>Targeted cooling output thanks to modular fan units</p> <p>Fan modules configurable as n+1 redundancy.</p> <p>Standard 3-phase connection for electrical redundancy</p> <p>Redundant temperature sensor integrated at the air end</p> <p>The separation of cooling and enclosure prevents water from entering the server enclosure</p> <p>A maximum floor area of 0.36 m² for all cooling services</p> <p>Improved heat recovery due to high water return temperatures when using the LCP CW glycol variants, for example in conjunction with a heat pump</p> <p>Optimum access for maintenance and service from the front and the rear</p> <p>Tool-free fan module replacement</p> |
| Function principle | <p>The hot air is drawn in from the room or hot aisle at the rear of the device and expelled at the front into the cold aisle after cooling.</p> <p>With this product, a raised floor is not necessary</p> |
| Material | Carbon steel, spray finished |
| Color | RAL 7035 |
| Options | <p>Direct connection of additional CMC III sensors is also possible</p> <p>Racks 2200 mm high</p> |

Features

| Version | Row Cooling |
|---|--|
| Monitoring | Monitoring of all system-relevant parameters such as server air intake temperature, server waste air temperature, water inlet/return temperature, water flow, cooling output, fan speed, leakage. Direct connection of the unit via SNMP over Ethernet Integration into RiZone |
| Total cooling output/number of fan modules | 18 kW/2 27 kW/3 30 kW/4 |
| Air throughput (unimpeded air flow) | At 50 Hz: 5,000 m³/h |
| Number of fan modules in supplied state | 2 |
| Dimensions | Width: 300 mm Height: 2,000 mm Depth: 1,200 mm |
| Installation in bayed enclosure suite | Flush |
| Rated operating voltage | 230 V, 1~, 50 Hz/60 Hz 400 V, 3~, 50 Hz/60 Hz |
| Max. cooling output | 30 kW |
| Type of connection (electrical) | Connector |
| Duty cycle | 100 % |
| Cooling medium | Water |
| EC fan | Yes |
| Fans may be exchanged with the system operational | Yes |
| Temperature control | Infinitely variable fan control 2-way control ball valve |
| Water connections | DN 40 (G 1½" external thread) |
| Permissible operating pressure (p. max.) | 10 bar |

Features

| | |
|------------------------------------|--|
| Water inlet temperature | 15 °C |
| Protection category IP to EN 60529 | IP 20 |
| Options | Direct connection of additional CMC III sensors is also possible Racks 2200 mm high |
| Packaging unit | 1 pc(s). |
| Net weight | 232 |
| Gross weight | 235 |
| Customs tariff number | 84186900 |
| EAN | 4028177811645 |
| ETIM 9 | EC002515 |
| ETIM 8 | EC002515 |
| ECLASS 8.0 | 27180712 |

Approvals

| | |
|--------------|-----|
| Certificates | EAC |
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