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SK 3313.538 Liquid Cooling Package

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ENCLOSURES

POWER DISTRIBUTION

CLIMATE CONTROL

IT INFRASTRUCTURE

SOFTWARE & SERVICES

FRIEDHELM LOH GROUP



SK 3313.538 - 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 3313.538 |
| Version | CW |
| Benefits | <div>Maximum energy efficiency due to EC fan technology and IT-based control</div> <div>Minimal pressure loss at the air end, which in turn minimizes the power consumption of the fans</div> <div>Optimum adaptability due to dynamic, continuous control of the cold water volume flow</div> <div>By using high water inlet temperatures, the proportion of indirect free cooling is increased, which in turn reduces operating costs</div> <div>Targeted cooling output thanks to modular fan units</div> <div>Fan modules configurable as n+1 redundancy.</div> <div>Redundant temperature sensor integrated at the air end</div> <div>The separation of cooling and enclosure prevents water from entering the server enclosure</div> <div>A maximum floor area of 0.36 m² for all cooling services</div> <div>Improved heat recovery due to high water return temperatures when using the LCP CW glycol variants, for example in conjunction with a heat pump</div> <div>Optimum access for maintenance and service from the front and the rear</div> <div>Tool-free fan module replacement</div> |

Features

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|--|--|
| Function principle | 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. With this product, a raised floor is not necessary |
| Material | Carbon steel, spray finished |
| Surface finish | RAL 9005, fine structure matt |
| Color | RAL 9005 |
| Options | Direct connection of additional CMC III sensors is also possible Racks 2200 mm high |
| 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 | 10 kW/1 20 kW/2 30 kW/3 34,121 BTU/h 68,243 BTU/h 102,364 BTU/h |
| Air throughput (unimpeded air flow) | At 60 Hz: 6,500 m³/h At 60 Hz: 3,825.8 cfm |
| Number of fan modules in supplied state | 4 |
| Dimensions | Width: 300 mm Height: 2,000 mm Depth: 1,200 mm Width: 11.8 " Height: 78.7 " Depth: 47.2 " |
| Suitable for enclosure type | VX IT TS IT PRO |
| Installation in bayed enclosure suite | Protruded |

Features

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|---|--|
| Rated operating voltage | 200 V - 240 V, 1~, 50 Hz/60 Hz 200 - 240 V AC |
| Max. cooling output | 30 kW 102,364 BTU/h |
| Type of connection (electrical) | Connector |
| Duty cycle | 100 % |
| Cooling medium | Water |
| Cooling medium note | Water quality according to unit specifications. |
| 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 145 PSI |
| Water inlet temperature | 15 °C 59 °F |
| Protection category IP to EN 60 529 | IP 20 |
| Options | Direct connection of additional CMC III sensors is also possible Racks 2200 mm high |
| Packaging unit | 1 pc(s). |
| Net weight | 203 |
| Gross weight | 213 |
| Customs tariff number | 84186900 |
| EAN | 4028177962798 |
| ETIM 9 | EC002515 |
| ETIM 8 | EC002515 |
| ECLASS 8.0 | 27180712 |

Approvals

Approvals

UR + C-UR (recognized)