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SK 3313.570

Liquid Cooling Package

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FRIEDHELM LOH GROUP

SK 3313.570 - 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 3313.570
Version	CWG
Benefits	Maximum energy efficiency due to EC fan technology and IT-based control Minimal pressure loss at the air end, which in turn minimizes the power consumption of the fans Optimum adaptability due to dynamic, continuous control of the cold water volume flow By using high water inlet temperatures, the proportion of indirect free cooling is increased, which in turn reduces operating costs Targeted cooling output thanks to modular fan units Fan modules configurable as n+1 redundancy. Standard 3-phase connection for electrical redundancy Redundant temperature sensor integrated at the air end The separation of cooling and enclosure prevents water from entering the server enclosure A maximum floor area of 0.36 m² for all cooling services Improved heat recovery due to high water return temperatures when using the LCP CW glycol variants, for example in conjunction with a heat pump Optimum access for maintenance and service from the front and the rear Tool-free fan module replacement
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
Color	RAL 7035

Features

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	38 kW/4 40 kW/5 44 kW/6 129,661 BTU/h 136,486 BTU/h 150,134 BTU/h
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Air throughput (unimpeded air flow)	At 50 Hz: 4,800 m³/h At 50 Hz: 2,825.2 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
Installation in bayed enclosure suite	Protruded
Rated operating voltage	230 V, 1~, 50 Hz/60 Hz 400 V, 3~, 50 Hz/60 Hz

Features

Max. cooling output	35 kW 119,425 BTU/h
Type of connection (electrical)	Connector
Duty cycle	100 %
Cooling medium	Water/glycol
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
Optimized condensate management even at low water flow temperatures	Yes
Options	Direct connection of additional CMC III sensors is also possible Racks 2200 mm high
Packaging unit	1 pc(s).
Net weight	235.5 kg
Gross weight	245.5 kg
Customs tariff number	84158200
ETIM 9	EC002515
ETIM 8	EC002515
ECLASS 8.0	27180712

Features

Product description	SK LCP Inline CW/glycol, 119425 BTU/h, RAL 7035, WHD: 300 x 2000 x 1200 mm

Approvals

Explanations	Declaration of conformity