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SK 3313.570

Liquid Cooling Package

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ENCLOSURES | POWER DISTRIBUTION | CLIMATE CONTROL | IT INFRASTRUCTURE | SOFTWARE & SERVICES

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
Design	CWG
Benefits	Maximum energy efficiency due to EC fan technology and IT-based control Minimal pressure loss at the air end, which in turn minimises 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 due to modular fan units Fan modules configurable as n+1 redundancy Standard 3-phase connection for electrical redundancy With redundant temperature sensor integrated at the air end as standard The separation of cooling and enclosure prevents the ingress of water into the server enclosure A footprint of max. 0.36 m² for all cooling services Improved heat recovery, thanks to high water return temperatures when using LCP CW glycol variants, for example in combination with a heat pump Optimum access for maintenance and servicing from the front and rear Tool-free replacement of the fan modules
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	Sheet steel, spray-finished
Colour	RAL 7035

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Features

Options	Direct connection of additional CMC III sensors is supported Racks 2200 mm high
Design	Suite 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
Total cooling output	38 kW 40 kW 44 kW
Air throughput (unimpeded air flow)	At 50 Hz: 4,800 m³/h
Number of fan modules in supplied state	4
Dimensions	Width: 300 mm Height: 2,000 mm Depth: 1,200 mm
To fit enclosure type	VX IT
Installation in bayed enclosure suite	Set forward
Rated operating voltage	230 V, 1~, 50 Hz/60 Hz 400 V, 3~, 50 Hz/60 Hz
Max. cooling output	35 kW
Type of electrical connection	Connector
Duty cycle	100 %
Cooling medium	Water/glycol
EC fan	Yes

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Features

Fans may be exchanged with the system operational	Yes
Temperature control	Linear fan control Two-way control valve
Water connections	DN 40 (G 1½" external thread)
Permissible operating pressure (p. max.)	10 bar
Water inlet temperature	15 °C
Protection category to IEC 60 529	IP 20
Optimized condensate management even at low water flow temperatures	Yes
Options	Direct connection of additional CMC III sensors is supported Racks 2200 mm high
Packs of	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
Product description	SK LCP Inline CW/glycol, 35 kW, RAL 7035, WHD: 300 x 2000 x 1200 mm

Approvals

Explanations	Declaration of conformity