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## SK 3313.550 Liquid Cooling Package

State: 27/09/2024 (Source: [rittal.com/com-en](http://rittal.com/com-en))

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IT INFRASTRUCTURE

SOFTWARE & SERVICES

FRIEDHELM LOH GROUP



# SK 3313.550 - 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 3313.550
Design	CWG
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 minimises 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 due to modular fan units</p> <p>Fan modules configurable as n+1 redundancy</p> <p>Standard 3-phase connection for electrical redundancy</p> <p>With redundant temperature sensor integrated at the air end as standard</p> <p>The separation of cooling and enclosure prevents the ingress of water into the server enclosure</p> <p>A footprint of max. 0.36 m<sup>2</sup> for all cooling services</p> <p>Improved heat recovery, thanks to high water return temperatures when using LCP CW glycol variants, for example in combination with a heat pump</p> <p>Optimum access for maintenance and servicing from the front and rear</p> <p>Tool-free replacement of the fan modules</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	Sheet steel, spray-finished
Colour	RAL 7035

# 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	20 kW/2 31 kW/3 35 kW/4
Air throughput (unimpeded air flow)	At 50 Hz: 5,000 m <sup>3</sup> /h
Number of fans	2
Dimensions	Width: 300 mm Height: 2,000 mm Depth: 1,200 mm
To fit enclosure type	VX IT
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	28 kW
Type of electrical connection	Connector
Duty cycle	100 %
Cooling medium	Water/glycol
EC fan	Yes
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)

# Features

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Permissible operating pressure (p. max.)	10 bar
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Water inlet temperature	15 °C
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Protection category to IEC 60 529	IP 20
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Optimized condensate management even at low water flow temperatures	Yes
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Packs of	1 pc(s).
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Weight/pack	280 kg
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Net weight	235
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Gross weight	245
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Customs tariff number	84158200
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EAN	4028177953932
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ETIM 8	EC002515
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ETIM 7.0	EC002515
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ECLASS 8.0	27180712
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# Approvals

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Explanations

Declaration of conformity