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SK 3311.238 Liquid Cooling Packages

State: 4/4/2026 (Source: rittal.com/us-en)

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SOFTWARE & SERVICES

FRIEDHELM LOH GROUP



SK 3311.238 - Liquid Cooling Packages LCP Rack CW

For the highest density installations, these LCP Rack units totally control the air path for efficient cooling. The LCP Rack CW is a closed loop system and units are scalable from as low as 10kW to as high as 60kW with all the most requested stops in between. These new, more powerful units in the line maintain the 12-inch wide footprint – making it possible, in some situations, to double the cooling capacity without taking up additional floor space. The unit's high-efficiency fans have been moved to the front of the LCP – on the cool side away from maximum heat – which will extend the life of the fans. Water connections are available at either the top or bottom of the unit.



Features

Model No.	SK 3311.238
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>The separation of cooling and enclosure prevents water from entering the server enclosure</p> <p>Fan modules configurable as n+1 redundancy.</p> <p>Targeted cooling output thanks to modular fan units</p> <p>By using high water inlet temperatures, the proportion of indirect free cooling is increased, which in turn reduces operating costs</p> <p>Optimum adaptability due to dynamic, continuous control of the cold water volume flow</p> <p>Minimal pressure loss at the air end, which in turn minimizes the power consumption of the fans</p> <p>Touchscreen display may be retrofitted.</p>

Features

Function principle	The LCP draws in the air at the sides at the rear of the server enclosures, cools it using high-performance compact impellers, and blows the cooled air back into the front part of the server enclosure at the sides
Color	Exterior: RAL 9005 Enclosure frame and interior: RAL 7035
Options	Various sensors
Max. cooling output	30 kW 102,364 BTU/h
Type of connection (electrical)	Connector
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)
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
Installation in bayed enclosure suite	Flush
Dimensions	Width: 300 mm Height: 2,000 mm Depth: 1,200 mm Width: 11.8 " Height: 78.7 " Depth: 47.2 "

Features

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

Water inlet temperature	15 °C
	59 °F

Packaging unit	1 pc(s).
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Net weight	504.991 lb
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Gross weight	504.991 lb
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Approvals

Approvals	UL
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