

# Rittal – The System.

Faster – better – everywhere.



## SK 3314.568 Liquid Cooling Package

State: 2025-12-09 (Source: [rittal.com/ca-en](https://www.rittal.com/ca-en))

ENCLOSURES

POWER DISTRIBUTION

CLIMATE CONTROL

IT INFRASTRUCTURE

SOFTWARE & SERVICES

FRIEDHELM LOH GROUP



# SK 3314.568 - Liquid Cooling Package LCP Inline CW/ 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 3314.568                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Version   | Row Cooling<br>CW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 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>Control of the server supply air temperature or optionally according to differential pressure</p> <p>Redundant temperature sensor integrated at the air end</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>Cooling capacity tailored to requirements thanks to modular fan units (fans can be replaced without tools and during operation)</p> <p>Fan modules configurable as n+1 redundancy.</p> <p>Standard 3-phase connection for electrical redundancy</p> <p>The UL version has a 1- or 2-phase fixed connection with additional cover as standard.</p> <p>The separation of cooling and enclosure prevents water from entering the server enclosure</p> <p>A maximum floor area of 0.36 m<sup>2</sup> for all cooling services</p> <p>Improved heat recovery due to high water return temperatures when using the LCP CW glycol variants, for example in conjunction with a heat pump</p> <p>Optimum access for maintenance and service from the front and the rear</p> |

# Features

|                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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.<br>With this product, a raised floor is not necessary                                                                                                                                                                                                                                                                |
| Material                                   | Housing: Carbon steel<br>Front door: Aluminum, anodized/spray-finished<br>Carbon steel, spray finished                                                                                                                                                                                                                                                                                                                                                         |
| Surface finish                             | RAL 9005, fine structure matt                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Color                                      | Housing: RAL 7035<br>Front door: Vertical sections, silver colored and horizontal sections, RAL 9005<br>RAL 9005                                                                                                                                                                                                                                                                                                                                               |
| Options                                    | Automatic server enclosure door opening<br>Direct connection of an additional 16 CMC III sensors is possible<br>Racks in height 2200 mm, special color<br>Condensate management kit including baffle plate separator and temperature and humidity sensor<br>Display                                                                                                                                                                                            |
| 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.<br>Direct connection of the device via SNMP and via Ethernet (2 Ethernet interfaces, thus simplified cascading of up to 16 LCPs)<br>Integration in RiZone OT Suite (Extended measurement and management functions, values can be transferred and visualized) |
| Total cooling output/number of fan modules | 53 kW/6                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Air throughput (unimpeded air flow)        | At 60 Hz: 8,000 m³/h                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Number of fan modules in supplied state    | 6                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Dimensions                                 | Width: 300 mm<br>Height: 2,000 mm<br>Depth: 1,200 mm                                                                                                                                                                                                                                                                                                                                                                                                           |
| Suitable for enclosure type                | VX IT<br>TS IT                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

# Features

|                                                   |                                                                                                                                                                                                                                                                     |
|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Installation in bayed enclosure suite             | Protruded                                                                                                                                                                                                                                                           |
| Rated operating voltage                           | 200 V - 240 V, 1~, 50 Hz/60 Hz                                                                                                                                                                                                                                      |
| Max. cooling output                               | 53 kW                                                                                                                                                                                                                                                               |
| Type of connection (electrical)                   | Fixed connection with cover                                                                                                                                                                                                                                         |
| 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<br>2-way control ball valve                                                                                                                                                                                                         |
| Water connections                                 | DN 40 (G 1½" external thread)                                                                                                                                                                                                                                       |
| Permissible operating pressure (p. max.)          | 10 bar                                                                                                                                                                                                                                                              |
| Water inlet temperature                           | 15 °C                                                                                                                                                                                                                                                               |
| Protection category IP to EN 60 529               | IP 20                                                                                                                                                                                                                                                               |
| Options                                           | Automatic server enclosure door opening<br>Direct connection of an additional 16 CMC III sensors is possible<br>Racks in height 2200 mm, special color<br>Condensate management kit including baffle plate separator and temperature and humidity sensor<br>Display |
| Packaging unit                                    | 1 pc(s).                                                                                                                                                                                                                                                            |
| Net weight                                        | 228                                                                                                                                                                                                                                                                 |
| Gross weight                                      | 240                                                                                                                                                                                                                                                                 |
| Customs tariff number                             | 84186900                                                                                                                                                                                                                                                            |
| EAN                                               | 4028177977662                                                                                                                                                                                                                                                       |

# Approvals

---

Approvals

UL + C-UL (listed)