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SK 3313.610
Liquid Cooling Unit

State: 11/12/2026 (Source: www.rittal.com/us-en)

SK 3313.610 - Liquid Cooling Unit LCU CW

The LCU CW basically consists of an air/water heat exchanger, fans and the controller. It is used to dissipate heat from network/server enclosures and thus effectively cool the components installed in the enclosure.

Features

Model No.	SK 3313.610
Version	Rack cooling CW
Benefits	Efficient cooling of network/server enclosures Space-saving due to installation in the enclosure Control of the server inlet temperature Energy efficient DC fans Optimum adaptability due to dynamic, continuous control of the cold water volume flow Fan modules can be replaced during operation
Function principle	The LCU CW is installed in the network/server enclosure next to the 19" plane. The heated air is drawn in at the rear third of the enclosure, cooled via the heat exchanger and blown out again at the front of the enclosure.
Material	Carbon steel, spray finished
Color	RAL 9005
Supply includes	1 Liquid Cooling Unit CW 1 support element for LCU CW 3 m fabric hose (for condensate discharge) 2 angle hose connector 90° 12 screw M5 x 12 self-tapping/NZ/TX30 1 female connector (7-pole) 1 set of assembly, installation and operating instructions
Options	Connection of a maximum of 16 CMC III sensors

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Features

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
Temperature control	Control of the server inlet temperature
Protection category IP to IEC 60 529	IP 20
Duty cycle	100 %
Refrigerant/cooling medium	Cooling medium: Water
Cooling medium note	Water quality according to unit specifications.
Suitable for	Enclosure type: VX IT 19" standard profile rails Width: ≥ 800 mm Height: ≥ 2,000 mm Depth: ≥ 1,000 mm Enclosure type: VX IT 19" standard profile rails Width: ≥ 31.5 ″ Height: ≥ 78.7 ″ Depth: ≥ 39.4 ″
Dimensions	Width: 110 mm Height: 1,866.5 mm Depth: 756 mm Width: 4.33 ″ Height: 73.5 ″ Depth: 29.8 ″
Rated operating voltage	90 – 264 V, 1~, 50 Hz/60 Hz
Air throughput (unimpeded air flow)	1,500 m³/h 882.9 cfm
Rated output	0.5 kW
DC fan	Yes
Fans may be exchanged with the system operational	Yes
Water connections	G ¾" external thread

Features

Permissible operating pressure (p. max.)	1 MPa
Operating temperature range	10 °C...50 °C 50 °F...122 °F
Operating temperature range of cooling medium	10 °C...30 °C 50 °F...86 °F
Total cooling output	Useful cooling capacity L24 (server supply air temperature) W15: 7.9 kW Useful cooling capacity L24 (server supply air temperature) W18: 6.8 kW
Packaging unit	1 pc(s).
Net weight	92.5 kg
Gross weight	102.5 kg
CRA risk class	Default (Low Risk)
Customs tariff number	84186900
ETIM 9	EC000855
ETIM 8	EC000855
Product description	SK Liquid Cooling Unit LCU CW, L24/W15: 26956 BTU/h, WHD: 110x1866.5x756 mm

Approvals

Approvals	Cyber Security Certificate IEC CB UL + C-UL (listed)
Explanations	Declaration of conformity