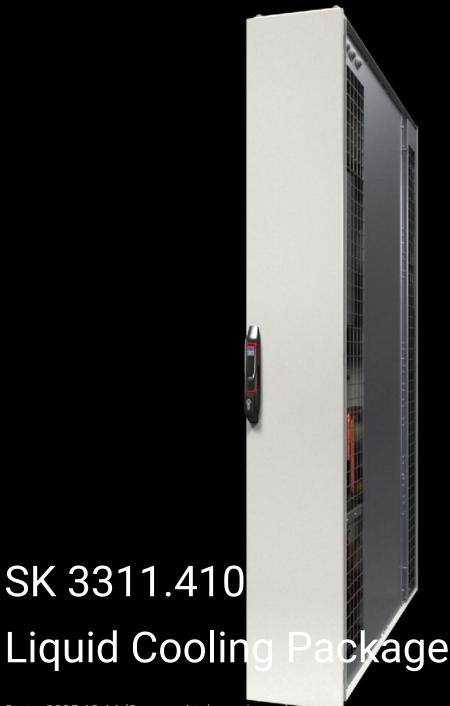
Rittal – The System.

Faster – better – everywhere.





State: 2025-12-14 (Source: rittal.com/ca-en)



SK 3311.410 - Liquid Cooling Package LCP Rack DX

Rack-based cooling of one to two IT racks. Continuous adjustment of the cooling output provided by output-controlled compressors in the Rack DX LCP (evaporator). An external condenser is required to operate the unit.







Features

Model No.	SK 3311.410
Benefits	Maximum energy efficiency due to EC fan technology and IT-based control
	Minimal pressure loss at the air end, which in turn minimizes the
	power consumption of the fans
	Control of the server inlet temperature
	Due to the speed-regulated compressor, the cooling output adapts to the actual requirements
	Redundant temperature sensor integrated at the air end
	Special maintenance of the LCP DX due to separation of cooling and server enclosures
Applications	Ideal for IT cooling of small and medium-sized locations
	One or two racks can be cooled separately
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
	Absorbed thermal energy is emitted to the ambient air at the
	external condenser location, without heating up the installation
	room

© Rittal 2025

Features

Material	Carbon steel, spray finished
Options	Humidifier Dehumidification and reheater Condensate lift pump Low-temperature/high-temperature condenser (-40 °C/+53 °C)
Version	Rack cooling
Monitoring	Direct connection of the unit via SNMP over Ethernet Integration into RiZone
Total cooling output to DIN EN 14511	Useful cooling output L22 L30: 12 kW Useful cooling output L22 L45: 10 kW
Total cooling output/number of fan modules	12 kW/4
Modulation range	3 - 12 kW
Air throughput (unimpeded air flow)	At 50 Hz: 4,800 m³/h
Dimensions	Width: 300 mm Height: 2,000 mm Depth: 1,000 mm
Suitable for enclosure type	TSIT
Installation in bayed enclosure suite	Flush
Rated operating voltage	380 V - 480 V, 3~, 60 Hz 400 V, 3~, 50 Hz
Rated current max.	At 50 Hz: 7.5 A
Max. cooling output	12 kW
Type of connection (electrical)	Connection clamp
Duty cycle	100 %
Cooling medium	Refrigerant
EC fan	Yes
Fans may be exchanged with the system operational	Yes

© Rittal 2025 3

Features

Temperature control	Infinitely variable fan control Inverter-controlled compressor
Start-up current	11 A
Pre-fuse	Miniature circuit-breaker/fuse: 20 A
Storage temperature range	-20 °C50 °C
Operating temperature range	15 °C35 °C
Noise pressure level	At 50 Hz: 69 dB(A)
Refrigerant/cooling medium	Refrigerant: R410A Cooling medium: Refrigerant
Protection category IP to EN 60 529	IP 20
Options	Humidifier Dehumidification and reheater Condensate lift pump Low-temperature/high-temperature condenser (-40 °C/+53 °C)
Packaging unit	1 pc(s).
Net weight	193
Gross weight	207
Customs tariff number	84186900
EAN	4028177691315
ETIM 9	EC002515
ETIM 8	EC002515
ECLASS 8.0	27180712

Approvals

Certificates	EAC
Explanations	Declaration of conformity

© Rittal 2025