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► Liquid Cooling Package LCP rack DX, LCP rack DX/FC – SK 3311.410

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FRIEDHELM LOH GROUP



Liquid Cooling Package LCP rack DX, LCP rack DX/FC – SK 3311.410

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Discontinued article.

Product expires on: 31.10.2020 |||This item is being replaced by: 3313410

Product description

Benefits:	Maximum energy efficiency due to EC fan technology and IT-based control Minimal pressure loss at the air end, which in turn minimises the power consumption of the fans Control of the server inlet temperature Thanks to the speed-regulated compressor, the cooling output is ideally adapted to actual requirements With redundant temperature sensor integrated at the air end as standard Specific maintenance of the LCP DX due to separation of cooling and server racks
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
IT monitoring:	Direct connection of the unit via SNMP over Ethernet Integration into RiZone
Material:	Sheet steel, spray-finished
Colour:	RAL 7035
Protection category IP to IEC 60 529:	IP 20

Note: Variant with UL approval available on request

Options: Humidifier
Dehumidification and reheater
Condensate drain pump
Higher cooling output
Low-temperature/high-temperature condenser (-40 °C/+53 °C)

Product features

Variant: Rack cooling

Total cooling output to DIN EN 14511: L 30 L 22: 12 kW
L 22 L 45: 10 kW

Modulation range: Device modulates without interruption in the cooling output range between: 3 kW - 12 kW

Total cooling output/Number of fan modules: 12 kW / 4

Total cooling output: 12 kW

Air throughput (unimpeded air flow): At 50 Hz: 4800 m³/h

Rated operating voltage: 400 V, 3~, 50 Hz
380 V - 480 V, 3~, 60 Hz
Note: 400 V

Dimensions: Width: 300 mm
Height: 2000 mm
Depth: 1000 mm

Temperature control: Linear fan control
Inverter-controlled compressor

To fit: TS IT

Installation in bayed enclosure suite: Flush

Temperature range: Bearing: -20 °C...+50 °C
Operation (environment): +15 °C...+35 °C
Water inlet: °C

Refrigerant/cooling medium: Refrigerant: R410a
Cooling medium: Refrigerant

Type of electrical connection: Connection clamp

Duty cycle: 100 %

Rated current max.:	At 50 Hz: 7.5 A
Start-up current max.:	11 A
Miniature circuit-breaker/fuse:	20 A
Noise level:	At 50 Hz: 69 dB(A)
EC fan:	yes
Fans may be exchanged with the system operational:	yes
eCl@ss 8.0/8.1:	27180712
Packs of:	1 pc(s).
Weight/pack:	207 kg
EAN:	4028177691315
Customs tariff number:	84158300
ETIM 7.0:	EC002515
ETIM 6.0:	EC002515
eCl@ss 8.0/8.1:	27180712
eCl@ss 6.0/6.1:	27180712
Product description:	SK LCP Rack DX, Refrigerant-based split cooling unit for rack cooling, Mounted on the side of the rack, flush, Cooling of one up to maximum two racks, Support of IT-compatible, #front-to-back# air routing,
Approvals	
Certificates:	EAC
Declarations:	Declaration of conformity