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► Liquid Cooling Package LCP rack DX, LCP rack DX/FC – SK 3313.410

Date : Sep 27, 2020

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FRIEDHELM LOH GROUP



Liquid Cooling Package LCP rack DX, LCP rack DX/FC – SK 3313.410

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Product description

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 minimises the power consumption of the fans</p> <p>Control of the server inlet temperature</p> <p>Thanks to the speed-regulated compressor, the cooling output is ideally adapted to actual requirements</p> <p>With redundant temperature sensor integrated at the air end as standard</p> <p>Specific maintenance of the LCP DX due to separation of cooling and server racks</p>
Applications:	<p>Ideal for IT cooling of small and medium-sized locations</p> <p>One or two racks can be cooled separately</p>
Function principle:	<p>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</p> <p>Absorbed thermal energy is emitted to the ambient air at the external condenser location, without heating up the installation room</p>
IT monitoring:	<p>Direct connection of the unit via SNMP over Ethernet</p> <p>Integration into RiZone</p>
Material:	<p>Sheet steel, spray-finished</p>
Colour:	<p>RAL 7035</p>
Protection category IP to IEC 60 529:	<p>IP 20</p>
Note:	<p>Variant with UL approval available on request</p>
Options:	<p>Humidifier</p>

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 m ³ /h
Rated operating voltage:	380 V - 480 V, 3~, 50 Hz/60 Hz
Dimensions:	Width: 300 mm Height: 2000 mm Depth: 1000 mm
Temperature control:	Linear fan control Inverter-controlled compressor
To fit:	VX IT
Installation in bayed enclosure suite:	Flush
Temperature range:	Bearing: -20 °C...+50 °C Operation (environment): +5 °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)
Design:	DX
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:	181 kg
EAN:	4028177953833
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:	LCP Rack DX, 12 kW, flush, RAL 7035, WHD: 300 x 2000 x 1000 mm, 380 – 480 V/3~/50 – 60 Hz