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SK 3311.430 Liquid Cooling Package

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SK 3311.430 - Liquid Cooling Package LCP Inline DX

Ideal for cooling small and medium-sized IT applications. Continuous adjustments of the cooling output provided by output-controlled compressors in the Inline DX LCP (evaporator). An external condenser is required to operate the unit.



Features

Model No.	SK 3311.430
Version	LCP Inline DX
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>Temperature monitoring and control.</p> <p>Redundant temperature sensor integrated at the air end</p> <p>Due to the speed-regulated compressor, the cooling output adapts to the actual requirements</p> <p>Special maintenance of the LCP DX due to separation of cooling and server enclosures</p> <p>Using LCP DX/FC variants in combination with indirect free cooling helps to save operating costs</p>
Applications	<p>Ideal for IT cooling of small and medium-sized locations</p> <p>One or two racks can be cooled separately</p>

Features

Function principle	<p>LCP for use within a bayed enclosure suite. Hot air is drawn in from the aisle at the rear of the device, cooled by the high-capacity compact impellers, and blown back into the room or cold aisle after cooling</p> <p>The LCP DX/FC versions contain both refrigerant as well as a water/glycol heat exchanger. A free cooler is also integrated in the external condenser.</p> <p>Absorbed thermal energy is emitted to the ambient air at the external condenser location, without heating up the installation room</p>
Material	Carbon steel, spray finished
Options	<p>Humidifier</p> <p>Dehumidification and reheater</p> <p>Condensate lift pump</p> <p>Low-temperature/high-temperature condenser (-40 °C/+53 °C)</p>
Version	Row Cooling
Monitoring	<p>Direct connection of the unit via SNMP over Ethernet</p> <p>Integration into RiZone</p>
Note	Variant with UL approval available on request
Total cooling output to DIN EN 14511	<p>Useful cooling output L22 L30: 12 kW</p> <p>Useful cooling output L22 L45: 10 kW</p>
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	<p>Width: 300 mm</p> <p>Height: 2,000 mm</p> <p>Depth: 1,000 mm</p>
Suitable for enclosure type	TS IT
Installation in bayed enclosure suite	Flush
Rated operating voltage	<p>380 V - 480 V, 3~, 60 Hz</p> <p>400 V, 3~, 50 Hz</p>

Features

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
Temperature control	Infinitely variable fan control Inverter-controlled compressor
Pre-fuse	Miniature circuit-breaker/fuse: 20 A
Storage temperature range	-20 °C...50 °C
Operating temperature range	15 °C...35 °C
Noise pressure level	At 50 Hz: 69 dB(A)
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	181
Gross weight	224
Customs tariff number	84186900
EAN	4028177691339
ETIM 9	EC002515
ETIM 8	EC002515
ECLASS 8.0	27180712

Approvals

Certificates

EAC

Explanations

Declaration of conformity