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SK 3311.450 Liquid Cooling Package

POWER DISTRIBUTION >> CLIMATE CONTROL

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IT INFRASTRUCTURE SOFTWARE & SERVICES

FRIEDHELM LOH GROUP

ENCLOSURES

SK 3311.450 - Liquid Cooling Package LCP Inline DX, LCP Inline DX/FC

Ideal for cooling of small and medium-sized IT applications.

Features

Model No.	SK 3311.450
Design	LCP Inline DX
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
	Temperature monitoring and control
	With redundant temperature sensor integrated at the air end as standard
	Thanks to the speed-regulated compressor, the cooling output is ideally adapted to actual requirements
	Specific maintenance of the LCP DX due to separation of cooling and server racks
	Using LCP DX/FC variants in combination with indirect free cooling helps to save operating costs
Applications	Ideal for IT cooling of small and medium-sized locations One or two racks can be cooled separately
Function principle	The LCP is designed for siting 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.
	The LCP DX/FC variants include both a refrigerant and a water/
	glycol heat exchanger. There is an additional free cooler integrated
	into the external condenser.
	Absorbed thermal energy is emitted to the ambient air at the
	external condenser location, without heating up the installation
	room
Material	Sheet steel, spray-finished

Features

Dehumidification and reheater Condensate drain pump Low-temperature/high-temperature condenser (-40 °C/+53 °C)DesignSuite coolingMonitoringDirect connection of the unit via SNMP over Ethernet Integration into RiZoneNoteVariant with UL approval available on requestTotal cooling output to DIN EN 14511Useful cooling output L22 L30: 30 kWModulation range8 - 35 kWTotal cooling output/Number of fan modules35 kW/3Air throughput (unimpeded air flow)At 50 Hz: 9,900 m³/hDimensionsWidth: 600 mm Height: 2,000 mm Depth: 1,000 mmTo fit enclosure typeTS ITInstallation in bayed enclosure suiteFlushRated operating voltage360 V, 3~, 50 Hz 480 V, 3~, 60 HzRated ourput35 kWType of electrical connectionConnection clampDuty cycle100 %Cooling output86 kgreant		
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Duty cycle100 %Cooling mediumRefrigerantEC fanYes	Max. cooling output	35 kW
Cooling medium Refrigerant EC fan Yes	Type of electrical connection	Connection clamp
EC fan Yes	Duty cycle	100 %
	Cooling medium	Refrigerant
SNMP card Yes	EC fan	Yes
	SNMP card	Yes

Features

Fans may be exchanged with the system operational	Yes
Temperature control	Linear fan control Inverter-controlled compressor
Pre-fuse	Miniature circuit-breaker/fuse: 40 A
Operating temperature range	15 °C35 °C
Noise level	At 50 Hz: 69 dB(A)
Protection category to IEC 60 529	IP 20
Packs of	1 pc(s).
Weight/pack	398 kg
Customs tariff number	84158200
EAN	4028177691353
ETIM 8	EC002515
ETIM 7.0	EC002515
ECLASS 8.0	27180712

Approvals

Certificates

EAC

Explanations

Declaration of conformity