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SK 3311.450 Liquid Cooling Package

State: 12/06/2026 (Source: rittal.com/au-en)

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FRIEDHELM LOH GROUP



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 | <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>Temperature monitoring and control</p> <p>With redundant temperature sensor integrated at the air end as standard</p> <p>Thanks to the speed-regulated compressor, the cooling output is ideally adapted to actual requirements</p> <p>Specific maintenance of the LCP DX due to separation of cooling and server racks</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

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|--|---|
| Function principle | <p>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.</p> <p>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.</p> <p>Absorbed thermal energy is emitted to the ambient air at the external condenser location, without heating up the installation room</p> |
| Material | Sheet steel, spray-finished |
| Options | Humidifier Dehumidification and reheater Condensate drain pump Low-temperature/high-temperature condenser (-40 °C/+53 °C) |
| Design | Suite cooling |
| Monitoring | Direct connection of the unit via SNMP over Ethernet Integration into RiZone |
| Note | Variant with UL approval available on request |
| Total cooling output to DIN EN 14511 | Useful cooling output L30 L22: 30 kW |
| Total cooling output/Number of fan modules | 35 kW/3 |
| Total cooling output | 35 kW |
| Modulation range | 8 - 35 kW |
| Air throughput (unimpeded air flow) | At 50 Hz: 9,900 m ³ /h |
| Dimensions | Width: 600 mm Height: 2,000 mm Depth: 1,000 mm |
| To fit enclosure type | TS IT |
| Installation in bayed enclosure suite | Flush |

Features

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|---|--|
| Rated operating voltage | 360 V, 3~, 50 Hz 480 V, 3~, 60 Hz |
| Rated current max. | At 50 Hz: 22.4 A |
| Max. cooling output | 35 kW |
| Type of electrical connection | Connection clamp |
| Duty cycle | 100 % |
| Cooling medium | Refrigerant |
| EC fan | Yes |
| SNMP card | Yes |
| 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 °C...35 °C |
| Noise level | At 50 Hz: 69 dB(A) |
| Protection category to IEC 60 529 | IP 20 |
| Options | Humidifier Dehumidification and reheater Condensate drain pump Low-temperature/high-temperature condenser (-40 °C/+53 °C) |
| Packs of | 1 pc(s). |
| Customs tariff number | 84158200 |
| ETIM 9 | EC002515 |
| ETIM 8 | EC002515 |
| ECLASS 8.0 | 27180712 |
| Product description | Evaporator unit for room cooling in conjunction with condenser 3311.360, width: 300 mm |

Approvals

Explanations

Declaration of conformity