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SK 3311.490 Liquid Cooling Unit

State: 2026-05-12 (Source: rittal.com/ca-en)

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SK 3311.490 - Liquid Cooling Unit LCU DX, single

Refrigerant-based enclosure cooling in single version for VX IT or Micro Data Center without heating up the installation room. With two output categories 3 kW and 6.5 kW, the ideal cooling solution for smaller IT applications.

Features

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| Model No. | SK 3311.490 |
| Version | LCU DX 3 kW |
| Benefits | Space-saving solution by installing the indoor unit in the VX IT server enclosure or in the Micro Data Center Maximum energy efficiency due to EC fan technology and IT-based control Control of the server inlet temperature The inverter-controlled compressor matches the cooling output to the current level of heat loss in the enclosure Absorbed thermal energy is emitted directly into the ambient air at the location of the (inverter controlled) external unit , without heating up the installation room |
| Applications | Cooling unit for VX IT server enclosures and for Micro Data Centers |
| Function principle | The device supports "front to back" air routing typical of IT applications, and regulates the server inlet temperature to the set value |
| Material | Carbon steel, spray finished |
| Color | Internal unit: RAL 7035 External unit: white |
| Supply includes | Internal unit (condenser) External unit (inverter controlled) 482.6 mm (19") mounting bracket cover with control and display elements Condensate hose |

Features

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|-------------------------------------|---|
| Installation options in VX | 19" profile rails, standard or dynamic, must be off-centered by 50 mm in regards to width The distance between the front of the 19" profile rails and the front edge of the VX frame must be at least 100 mm Two system chassis for the inner mounting level are required to fasten the internal unit Air baffle plates are required to separate the hot/cold zones within an enclosure A base/plinth is needed to route cables downwards |
| Note | If the cooling output falls below its minimum value, fluctuations in the air intake temperature may result The electrical connection is made to the external unit, the internal unit is supplied by the external unit |
| Protection category IP to IEC 60529 | Internal unit IP 20 External unit IP X4 |
| Modulation range | 1 - 3 kW |
| Max. cooling output | 3 kW |
| Type of connection (electrical) | Connection clamp |
| Duty cycle | 100 % |
| Operating temperature | The specified operating temperature applies to the external unit |
| Suitable for | Enclosure type: VX IT Width: = 800 mm Height: ≥ 1,800 mm Depth: ≥ 1,000 mm |
| Dimensions of the internal unit | Width: 105 mm Height: 1,550 mm Depth: 820 mm |
| Dimensions, external unit | Width: 810 mm Height: 558 mm Depth: 310 mm |
| Rated operating voltage | 230 V, 1~, 50 Hz |
| Pre-fuse | 16 A |
| Rated current | 7 A |
| Packaging unit | 1 pc(s). |

Features

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|-----------------------|---|
| Net weight | 95.475 kg |
| Gross weight | 100.5 kg |
| Customs tariff number | 84158200 |
| ETIM 9 | EC000855 |
| ETIM 8 | EC000855 |
| ECLASS 8.0 | 27180704 |
| Product description | SK LCU DX split cooling unit, 10236 BTU/h, refrigerant-based cooling of IT racks and Micro Data Centers, 1 x external unit with inverter-controlled compressor, 1 x internal unit, single version |

Approvals

Explanations

Declaration of conformity