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## SK 3311.391 Liquid Cooling Package

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# SK 3311.391 - Liquid Cooling Package LCP Inline DX, UL

Bay-based cooling in conjunction with open/perforated IT racks. Continuous cooling output adjustment due to the use of an output-controlled compressor in the LCP Inline DX (evaporator)  
An external condenser is required to operate the unit.

## Features

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model No.                     | SK 3311.391                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 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>Minimal area load due to low weight</p> <p>Absorbed thermal energy is emitted to the ambient air at the external condenser location, without heating up the installation room</p> <p>Ideal for IT cooling of small and medium-sized locations</p> <p>One or two racks can be cooled separately</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> |
| 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Colour                        | RAL 9005                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Max. cooling output           | 20 kW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Duty cycle                    | 100 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Type of electrical connection | Connection clamp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Cooling medium                | R410A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| EC fan                        | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

# Features

|                                                   |                                                      |
|---------------------------------------------------|------------------------------------------------------|
| Fans may be exchanged with the system operational | Yes                                                  |
| Temperature control                               | Linear fan control<br>Inverter-controlled compressor |
| Installation in bayed enclosure suite             | Flush                                                |
| Air throughput (unimpeded air flow)               | At 50 Hz: 4,800 m³/h                                 |
| Dimensions                                        | Width: 300 mm<br>Height: 2,000 mm<br>Depth: 1,200 mm |
| Modulation range                                  | 6 - 20 kW                                            |
| Operating temperature range                       | 15 °C...35 °C                                        |
| Storage temperature range                         | -20 °C...60 °C                                       |
| Total cooling output/Number of fan modules        | 20 kW                                                |
| Packs of                                          | 1 pc(s).                                             |
| ECLASS 8.0                                        | 27180712                                             |

# Approvals

|           |    |
|-----------|----|
| Approvals | UL |
|-----------|----|