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SK 3314.615

Passive module

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FRIEDHELM LOH GROUP

SK 3314.615 - Passive module for LCP Rear Door CW

The passive module is an air/water heat exchanger in an enclosure for direct mounting on VX IT or TS IT racks in place of the rear door. The slimline design and a door opening angle of 180° allows rear access to the server enclosure and makes assembly and configuration inside the rack easier. The hot air expelled by devices in the server rack passes through the heat exchanger module and its thermal energy is emitted to a cold water system. There, the air is cooled and emitted into the room at the rear. Optimum energy efficiency, as there is no electrical power consumption whatsoever.

Features

Model No.	SK 3314.615
Version	Room cooling CW
Benefits	The LCP Rear Door CW replaces the rear door of the IT rack and is fitted at the rear of the server rack. It prevents heat dissipation at the installation site. The thermal load is emitted outside via the medium of pure water or an ethylene-glycol mixture. This in turn eases the pressure on the room air-conditioning. The heat exchanger uses the available airflow from the IT equipment for cooling. Minimal air and water pressure losses, despite the very compact design. Water connection at the bottom right as standard. Water connection at the top, door hinge on the left and water connection at the bottom or top are optionally possible.
Applications	Air/water heat exchanger for retrofitting to TS IT racks while operational
Material	Carbon steel, spray finished Aluminum Brass Copper Polyamide EPDM Neoprene

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Features

Color	Housing: RAL 7035 Service door: RAL 9005
Note	The air flow (heated waste air) of the active 19" components installed in the rack must be high enough to overcome the pressure loss caused by heat exchanger (LCP rear door CW, passive module). The total cooling output is based on an outlet temperature into the room of 24 °C.
Dimensions	Width: 600 mm Height: 2,000 mm Depth: 180 mm Width: 23.6 ″ Height: 78.7 ″ Depth: 7.09 ″
Max. cooling output	15 kW 51,182 BTU/h
Usable height	42 U
Cooling medium note	Saline and low-salinity water based on VDI 2035 plus max. 50 volume percent Antifrogen N
Rated volumetric flow - air volume	2,550 m³/h 1,500.9 cfm
Water connections	DN 25 (G 1" external thread)
Permissible operating pressure (p. max.)	10 bar 145 PSI
Water inlet temperature	15 °C 59 °F
Protection category IP to EN 60 529	IP 10B
Packaging unit	1 pc(s).
Net weight	125.5 kg
Gross weight	135.5 kg
CRA risk class	Default (Low Risk)
Customs tariff number	84186900

Features

Product description	LCP Rear Door CW, 15 kW, W x H: 600 x 2000 for VX IT, TS IT, W x H x D: 600 x 2000 x 180 mm, RAL 7035, RAL 9005, fine structure matt

Approvals

Approvals	UR + C-UR (recognized)
Explanations	Declaration of conformity