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SK 3343.200
Cooling Distribution Unit

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SK 3343.200 - Cooling Distribution Unit CDU In-Row

Liquid-to-liquid coolant distribution unit for liquid-cooled high-performance servers. The CDU In-Row separates the building's water circuit from the refrigerant circuit of the IT equipment. This ensures that the requisite volumetric flow, pressure and quality of the cooling medium in the secondary circuit are maintained at all times.





Features

Model No.	SK 3343.200
Version	Row Cooling
Material	Carbon steel, spray finished
Color	RAL 9005
Supply includes	Ready-to-connect CDU In-Row unit Vent valves Leak sensor
Options	No. of pump units Redundant power supply Connection: Wired Filter size Insulated FWS pipework Emergency off switch
Total cooling output	1,000 kW at 4K ATD 1,500 kW at 6K ATD 3,412,142 BTU/h at 4K ATD 5,118,212 BTU/h at 6K ATD
Nominal flow rate, secondary circuit	1,500 l/min: at 2.0 bar (N+1) 1,875 l/min: at 1.8 bar (N)

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Features

Number of pumps and Type of pump	15 Variable Speed Drive (VSD) centrifugal pump
Rated operating voltage	200 - 277 V AC, 3~, 50/60 Hz 346 - 480 V AC, 50/60 Hz 240 - 380 V DC
Power consumption (approx.)	18 kW
Type of connection (electrical)	2 x NEMA L22-30P
Operating temperature range	5 °C...35 °C 41 °F...95 °F
Noise pressure level	73.4 dB(A)
Dimensions	WxHxD: 600 mm x 2,300 mm x 1,400 mm WxHxD: 23.6 ″ x 90.6 ″ x 55.1 ″
Operating weight	1,250 kg 2,755.8 lb.
Water connections	FWS: 4" sanitary flange with tri-clamp TCS: 4" sanitary flange with tri-clamp
Water feed	FWS: Base or roof TCS: Base or roof
Operating temperature range of cooling medium	FWS...10 °C...50 °C TCS...20 °C...55 °C FWS...50 °F...122 °F TCS...68 °F...131 °F
Cooling medium	FWS: Water TCS: Water + PG25
Permissible operating pressure (p. max.)	FWS: 10 bar TCS: 5 bar FWS: 145 PSI TCS: 72.5 PSI
Filter secondary circuit	25 µm,optional 50 µm

Features

hot swap compatible	Pump unit Control Module Filter Sensors 2-way motorized valve Filling pump Drain valve
Redundant cooling	Pump unit: N+1 Filter: 2N
Monitoring	Monitoring of all system-relevant parameters such as temperature, humidity, pressure, flow rate, filter, leaks, component status
Protocols	Redfish Modbus/TCP HTTP, HTTPS, SSL, SSH, NTP, Telnet, TCP/IP v4, TCP/IP v6, DHCP, DNS, NTP, Syslog, SNMP v1, SNMP v2c, SNMP v3, OPC-UA, FTP/ SFTP, SMTP LDAP RCCMD
Leakage monitoring	Yes
Packaging unit	1 pc(s).
CRA risk class	Default (Low Risk)
Customs tariff number	84733080
Product description	CDU In-Row, 1000 kW @ 4K ATD, 600x2300x1400 mm (WHD)

Approvals

Approvals	Cyber Security Certificate IEC CB UL + C-UL (listed)