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SK 3343.200 Coolant Distribution Unit

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SOFTWARE & SERVICES

FRIEDHELM LOH GROUP



SK 3343.200 - Coolant Distribution Unit CDU In-Row

Liquid-to-liquid coolant distribution unit for cooling 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

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| Model No. | SK 3343.200 |
| Design | Suite cooling |
| Material | Sheet steel, spray-finished |
| Colour | RAL 9005 |
| Supply includes | Ready-to-connect CDU In-Row unit Vent valves Leak sensor |
| Options | No. of pump units Redundant power supply Connection: Hard-wired, NEMA or CEE connector Filter size Insulated FWS pipework Emergency off switch |
| Total cooling output | 1,000 kW at 4K ATD 1,500 kW 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) |
| Number of pumps and Type of pump | 15 Variable Speed Drive (VSD) centrifugal pump |

Features

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| 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 electrical connection | 2 x NEMA L22-30P |
| Operating temperature range | 5 °C...35 °C |
| Noise level | 73,4 dB(A) |
| Dimensions | WxHxD: 600 mm x 2,300 mm x 1,400 mm |
| Operating weight | 1250 kg |
| Water connections | FWS: 4" sanitary flange with tri-clamp TCS: 4" sanitary flange with tri-clamp |
| Water supply | Facility Water System (FWS): Base or roof Technical Cooling System (TCS): Base or roof |
| Operating temperature range of cooling medium | FWS: 10 °C...50 °C TCS: 20 °C...55 °C |
| Cooling medium | FWS: Water TCS: Water + PG25 |
| Permissible operating pressure (p. max.) | FWS: 10 bar TCS: 5 bar |
| Filter secondary circuit | 25 µm, optional 50 µm |
| hot swap compatible | Pump unit Control Module Filter Sensors Motor of 2-way 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 |

Features

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| 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 |
| Leak monitoring | Yes |
| Packs of | 1 pc(s). |
| Customs tariff number | 84733080 |
| Product description | CDU In-Row, 1000 kW @ 4K ATD, 600x2300x1400 mm WHD |

Approvals

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