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## SK 3343.200 Coolant Distribution Unit

State: 6/10/2026 (Source: [rittal.com/us-en](http://rittal.com/us-en))

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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 coolant circuit of the IT equipment. This enables efficient heat transfer between the Technology Cooling System and Facility Water System, while keeping CPU- and GPU-based IT equipment within optimal operating conditions.



## 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: Hardwired, 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 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)

# 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	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 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

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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
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).
Customs tariff number	84733080
Product description	CDU In-Row, 1000 kW @ 4K ATD, 600x2300x1400 mm WHD

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# Approvals

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Approvals	IEC CB UL + C-UL (listed)
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