

2U Cooling Distribution Unit (CDU)

2U CDU

Aavid's 2U Cooling Distribution Unit (CDU) is a high efficiency, in-rack thermal management solution that transfers heat from a single rack liquid loop to the facility chilled water system. The CDU houses an optimized liquid to liquid heat exchanger, pumps, liquid reservoirs, and controls that can support up to 20kW of heat transfer for up to 19 slots simultaneously. Aavid's CDU integrates sophisticated and intelligent system control for improved data center thermal performance and features operation logic, protection, warnings, automatic diagnoses, and troubleshooting.

PRODUCT SPECIFICATIONS

Property	Details
Max Cooling Capacity ⁱ	15 kW
Temp Set Range	5°C~45°C
Pressure Set Range ⁱⁱ	0~14.5 PSI
Flow Control Range	0~18 LPM
Coolant Connector Size	Male SPT12
Facility Water Connector Size	Male SPT12
Power Supply	0.2 kW
Reservoir Capacity	3 L
Maximum Liquid Pressure	4 bar
Coolant PH Range	6~9
Ambient Temperature Range	5°C~50°C
Altitude	≤ 5000 m
Power	AC220V, 50Hz
Hydraulic System Dim. (L x W x H) ⁱⁱⁱ	918mm*480mm*85.5mm

- i. Cooling capacity may vary with application requirements
- ii. External pressure can be adjusted once an application is specified.
- iii. The dimensions are without cabinet.



DETAILS

Component Options
Coolant Filter
High Purity Plumbing
Plate Heat Exchanger
Two Way Control Valve
Quick Connect Coupling
Liquid Cooling Plate
Distributor
Reservoir
PLC Controller
Cabinet

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MECHANICAL & PERFORMANCE

Drawing dimensions are shown in mm

Model Number	Length	Width	Height	L01	W01	H01
ACS015LA01-SYS	918	480	85.5	65.1	439.5	22.7

H02	H03	H04	V01	V02	V03	V04
28.2	52.6	64.2	40.2	69	172	73

