

Rack-mounted Liquid-to-Liquid CDU 80 kW (4U)

Model: TC-CDU-RM80



PRODUCT OVERVIEW

The rack-mounted liquid cooling CDU is a core liquid cooling device designed for high power density cabinets. It consists of heat dissipation, pump drive, pressure stabilizing, control and power supply modules. Heat is exchanged through a plate heat exchanger, forming a closed circulating heat exchange loop.

KEY FEATURES

- Standard 4U rack-mount chassis
- Full stainless steel pipeline, high cleanliness and reliability
- High-efficiency centrifugal pump; flow adjusts automatically to the number of terminal devices
- Redundant pump drive with 1+1 cold standby
- Active anti-condensation
- 7-inch LCD touch screen
- Built-in leak detection
- Built-in automatic liquid replenishment
- Constant differential pressure / constant flow control modes
- Full monitoring of temperature, pressure, leakage and humidity
- Dual power supply
- Modbus RTU and TCP/IP protocols

PRODUCT SPECIFICATIONS

Model	TC-CDU-RM80
Heat Exchange Capacity (kW)	80
Primary Working Fluid	Softened water
Primary Supply / Return Fluid Temp. (°C)	35 / 45
Secondary Supply / Return Fluid Temp. (°C)	40 / 50
Secondary Working Fluid	PG25
Secondary Filtration Precision	100 μm
Primary Connection Type	1.5" Tri-clamp
Secondary Connection Type	1.5" Tri-clamp
Circulating Pump Quantity	Dual pump
Overall Dimension W×L×H (mm)	481×950×174
Power Specification	48 V DC

APPLICATIONS

- High-Density Data Center
- Intelligent Computing Center
- Large-Scale Computer Room
- AI Training Cluster
- Scientific Research Laboratory
- High-Power Industrial Equipment Cooling
- Data Center Retrofit & New-Build