

Rack-mounted Air-Liquid CDU 20 kW (10U)

Model: TC-CDU-RA20



PRODUCT OVERVIEW

A high-density cooling solution for liquid-cooled servers that needs no facility water. It consists of pumps, heat exchangers, fans, filters, expansion tank and control modules: the built-in pump circulates coolant to carry heat away from the servers, and the integrated fans reject the heat into the surrounding room.

KEY FEATURES

- Standard 10U rack-mount chassis
- Full stainless steel pipeline
- High-efficiency centrifugal pump with automatic flow adjustment
- Redundant pump drive with 1+1 cold standby
- Active anti-condensation
- 4.3-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-RA20
Heat Exchange Capacity (kW)	20
Primary Air Inlet Temperature (°C)	25
Air Volume (m³/h)	5600
Secondary Supply Fluid Temperature (°C)	40
Secondary Working Fluid	PG25
Secondary Flow Rate (L/min)	62
Secondary Filtration Precision	100 μm
Secondary Connection Type	1.5" Tri-clamp
Circulating Pump Quantity	Dual pump
Overall Dimension W×D×H (mm)	482×950×448
Power Specification	220 V / 50 Hz

Note: All parameters tested with pure water as the working medium. For other capacities or working fluids, consult our technical staff for verification.

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