



# Revolutionize Your Data Center Cooling with Trane's CDU

## Efficient, Reliable, & Scalable Thermal Management for High-Performance Data Centers



Trane CDU  
Model 025-100

Trane's Coolant Distribution Unit (CDU) is a scalable cooling solution designed to meet the demanding needs of hyperscale and colocation data centers. With a cooling capacity ranging from 2.5MW to 10MW, this CDU provides efficient and reliable thermal management, enhancing both performance and sustainability.

Utilizing advanced direct-to-chip liquid cooling technology, this unit helps meet higher density cooling required for the next generation GPU's. Backed by Trane's world-class service and data-center-qualified technicians, this CDU ensures optimal performance for high-density computing and next-generation applications.



### Unmatched Reliability, Uninterrupted Performance

Ensure efficient and reliable cooling for high-density computing hardware with robust thermal management, built-in redundancy, and high-quality construction. This guarantees continuous operation and longevity, minimizing downtime and maintenance costs.



### Scale Up with Confidence: Trane's Flexible CDU Solutions

Adaptable growth with scalable cooling capacity, cost-effective expansion, and a modular design. This ensures your data center can grow and evolve seamlessly, accommodating increased demand without requiring a complete infrastructure overhaul.



### Optimized Cooling for Peak Efficiency

Maximize uptime and performance with advanced thermal management and energy-efficient cooling solutions. Trane's innovative technology provides precise temperature control, reducing energy consumption and operational costs while maintaining optimal conditions for high-density computing hardware.

Model	Trane CDU Model 025-100
Cooling Capacity	2.5-10MW
Modular Scalability	Modular, Skid-Mounted Platform
Cooling Technology	Direct-to-Chip Cooling
High-Flow Rate	3600 liters per minute
Accessibility	Front-only service access corridors



## Trane CDU Model 025-100

1

### DIRECT-TO-CHIP COOLING

Supports IT equipment with up to 10MW power consumption

2

### COMPACT FOOTPRINT

Up to 10MW cooling capacity with front only access

3

### SPACE-SAVING DESIGN

Allows close installation, optimizing grey space

### 25-MICRON FILTRATION

Ensures efficient heat transfer and extends equipment life

### 316 STAINLESS STEEL PLATE HEAT EXCHANGER

Resists corrosion and ensures high performance

5

### FULLY REDUNDANT, CENTRALIZED CONTROL MODULE

6

### HIGH FLOW RATE

3,600 liters per minute for quick heat absorption

7

8

### DUAL VSD PUMPS

Dynamic response to cooling demand for higher efficiency

### HIGH HEAD PRESSURE

>3.5 bar ~50 PSI head pressure for longer runs



**Mission  
Critical**

## Partnering for Success: Customized Cooling with Trane

Enhance your data center's performance, efficiency, and sustainability with Trane's Coolant Distribution Unit.

## Expert Support, When It Counts

Trane's 24/7 service network provides fast service and proactive maintenance, keeping your systems running well without unplanned downtime.

**Contact us today to learn more about our innovative CDU solutions tailored to your unique needs.**



All trademarks referenced in this document are the trademarks of their respective owners.

Trane – by Trane Technologies (NYSE: TT), a global climate innovator – creates comfortable, energy efficient indoor environments through a broad portfolio of heating, ventilating and air conditioning systems and controls, services, parts and supply. For more information, please visit [trane.com](https://trane.com) or [tranetechnologies.com](https://tranetechnologies.com).