Fan Coil Wall for Data Centers

Powerful, precise cooling for high-density data centers.



The Trane Fan Coil Wall is a purpose-built room-level cooling solution for hyperscale and colocation data centers. It combines high-capacity performance, modular flexibility, and dependable operation to help customers scale cooling confidently as data center requirements evolve.

Features & Benefits

Built for Consistent White Space Thermal Control

Delivers up to 900 kW of cooling and 130K CFM of airflow to help maintain consistent temperatures across the white space. Designed to support high-density racks and changing IT loads, it helps reduce hot spots, support stable rack inlet conditions, and respond quickly as thermal demands shift.



Modular Design for Scalable Deployment

Available in single-piece or multi-piece configurations to fit site constraints and support growth over time. Its perimeter-installed design helps preserve valuable IT floor space, while factory-installed piping, integrated valves, and top-mounted connections help simplify installation and reduce onsite labor.

Reliable Operation for Mission-Critical Environments

Built for mission-critical performance, the Fan Coil Wall combines multi-fan redundancy, factory-tested operation, and factory-installed Symbio® 500 controls with fast-restart capability. It helps maintain stable operation during load changes and brief power disturbances while supporting uptime-focused cooling strategies.

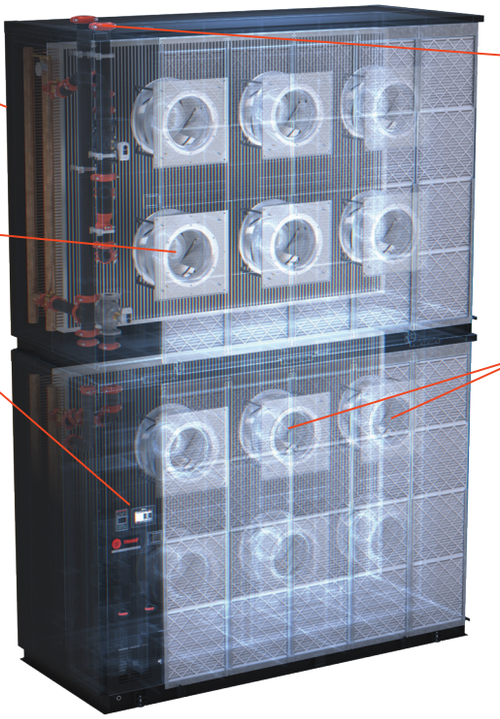
Fan Coil Wall

Built for performance. Designed for flexibility. Trusted for uptime.

High-quality, robust construction 2” foam-injected R-13 thermal break panel, hot-dipped galvanized steel inner and outer panels.

Variable-speed EC fans respond quickly to changing thermal loads while reducing fan energy and supporting precise airflow control.

Symbio® 500 controls are factory installed to provide real-time operating data, responsive control, and fast recovery after brief power disturbances.



Top-mounted water and electrical connections streamline routing, reduce installation coordination, and simplify fit-up in data center spaces.

Modular airflow paths help maintain more uniform intake air temperature across racks and reduce the risk of hot spots in the white space.

The **multi-fan array** provides inherent redundancy, helping maintain airflow and room-level cooling even if one fan or one unit is unavailable.

The Fan Coil Wall uses a **chilled-water-only design** with no onsite refrigerant handling, simplifying room-level deployment and supporting sustainability goals.

Trane’s Data Center Reference Designs for Fan Coil Walls

Accelerate your next data center project with Trane’s engineer-ready reference designs—proven blueprints featuring our Fan Coil Walls. Each design delivers clear system layouts, detailed temperature and flow guidance, and expert strategies for integrating air- and liquid-cooling. Whether improving redundancy, enabling higher condenser temperatures, increasing free cooling, or leveraging optional heat recovery, these guides help streamline design, help enhance energy and water efficiency, and support more sustainable, high-performance AI-ready data center infrastructure.

Scan here for more.



Contact your Trane account manager to learn how the Fan Coil Wall can support your next data center project.

www.Trane.com/DataCenters

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