



The Carrier CDU

A Carrier QuantumLeap™ Data Center Solution

65LL



Available in 1350 kW, scaled monobloc and skid designs up to 5 MW

A leap forward in thermal system efficiency

As you look to meet growing demands for performance, sustainability and resilience, Carrier is adding to our QuantumLeap Data Center Solutions to make it happen. The Carrier Coolant Distribution Unit (CDU) features modular heat exchangers that **can achieve approach temperatures as low as 3.6°F (2°C) — a reduction from the industry's more common 7.2°F (4°C). This innovative design can achieve up to 15% chiller energy savings,*** allowing you to devote more energy to your servers rather than the equipment that helps keep them cool.



Photo is for illustrative purposes only.

Carrier QuantumLeap Data Center Solutions

bring you a comprehensive suite of innovations designed to help meet your operational goals and business objectives. Learn more at carrier.com/datacenters.

Benefits at a glance



Supports consistent uptime and operational stability with:

- Hot-swappable and redundant components
- An in-unit Uninterruptible Power Supply (UPS)
- An Automatic Transfer Switch (ATS)**
- The ability to group units



Experience faster, easier deployment with a factory-assembled, pre-wired and factory-tested unit designed for plug-and-play operation.



Gain insight into your operations with continuous monitoring and real-time system status updates.



Enjoy simplified maintenance with three-sided access to components and a shallow-depth cabinet that fits easily into mechanical galleries.



Scale as your needs change with an integrated design that can be seamlessly added to an existing system.



Streamline system management with integrated and intuitive SmartVu™ controls for Automated Logic (ALC) and third-party Building Automation Systems (BAS).



Get the units you need, when and where you need them, thanks to Carrier's global design and manufacturing footprint.

*With high-efficiency heat exchanger option.

**Some components are options.

The Carrier CDU: More options. More advantages.

To help meet your operation goals and business objectives, the Carrier CDU is available in multiple capacities and customizations for 5 MW and above.

Optimized Thermal and Hydronic Performance

- Modular heat exchanger can provide improved chiller efficiency for lower cooling costs of Direct to Chip (DtC) systems
- Can reduce facility pump power consumption via low flow-resistance design

Application and Service Flexibility

- Shallow-depth cabinet is ideal for compact mechanical gallery placement (986 mm depth)
- Three-side access for setup and service flexibility
- Option to choose control monitor location for easy access

Portfolio, Manufacturing and Service Scale

- Single global design with multi-region manufacturing for streamlined vendor management
- Manufacturing capability and scale help meet critical requirements for customers globally
- A complete range of solutions covering thermal equipment, management solutions and service – all from a single supplier



Carrier QuantumLeap™ Data Center Solutions

The CDU is part of Carrier QuantumLeap, a comprehensive suite of innovations designed to help maximize performance and energy efficiency in your data center.

 Nlyte Software
 Automated Logic



Intelligent, Integrated Management Solutions, including Automated Logic's WebCTRL® and Nlyte's DCIM software solutions, bring together building and IT infrastructure for greater efficiency and optimization.



High-Performing HVAC Equipment delivers essential cooling while reducing your energy consumption and helping to achieve your carbon reduction goals.



Complete Lifecycle Service and Support provides peace of mind and helps enable continuous operations around the clock, and around the globe.

Connect with Carrier to get started

For more information about the Carrier CDU and QuantumLeap Data Center Solutions, and to connect with a Carrier data center expert, visit carrier.com/datacenters.

