



QuantumLeap™
DATA CENTRE SOLUTIONS

Carrier CDU

A Carrier QuantumLeap™
Data Centre Solution



Carrier CDU 65LL

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

A leap forward in thermal system efficiency

15%
Chiller
Energy Savings

2°C
Low Approach
Temperature

The Carrier Coolant Distribution Unit (CDU) features modular heat exchangers that can achieve approach temperatures as low as 2°C - a reduction from the industry's more common 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.



Carrier QuantumLeap Data Centre Solutions bring you a comprehensive suite of innovations designed to help meet your operational goals and business objectives. **Learn more at** <https://quantumleap.carrier.uk/>

Benefits at a glance



Low approach temperature

- Lower approach temperatures down to 2°C * compared to the industry standard 4°C
- Superior chiller cooling system efficiency, up to €35,000 annual saving per chiller **



Patented Flow range

- 1350 kW at 4°C Approach Temperature Difference (ATD)
- Patented Flow range : 0 to 1650 L/min with 350kPa with a single pump



Configurable options

- Additional pumps, top or bottom connections, Active Harmonic filters
- Utilisation of isolation valves for component replacement
- In-unit Uninterruptible Power Supply (UPS)
- Automatic Transfer Switch (ATS)
- Ability to manage multiple units together for easier control
- Up to 5MW - Higher capacities upon request



Made in Europe

- Sustainable European manufacturing for quality you can trust



Enjoy simplified maintenance

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



Streamline system management

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

*With high-efficiency heat exchanger option.

**0,2359 €/kWh S2 2024 Germany electricity cost Source Eurostat Non-household consumers

Carrier CDU

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



Service & Support



Specialised Expertise

Dedicated experts to optimize performance



24/7 Reliability

Proactive monitoring and rapid response



Leading-Edge Security

Secure connectivity and compliance with stringent protocols



Trusted Partnership

Elevated service and flexible solutions

Integrated Management Solutions



DCIM

Intelligent Management Solutions

- Manage
- Monitor
- Scale



SUPERVISION

Global Supervision for your facility Subsystems

- Control
- Visualise
- Optimise



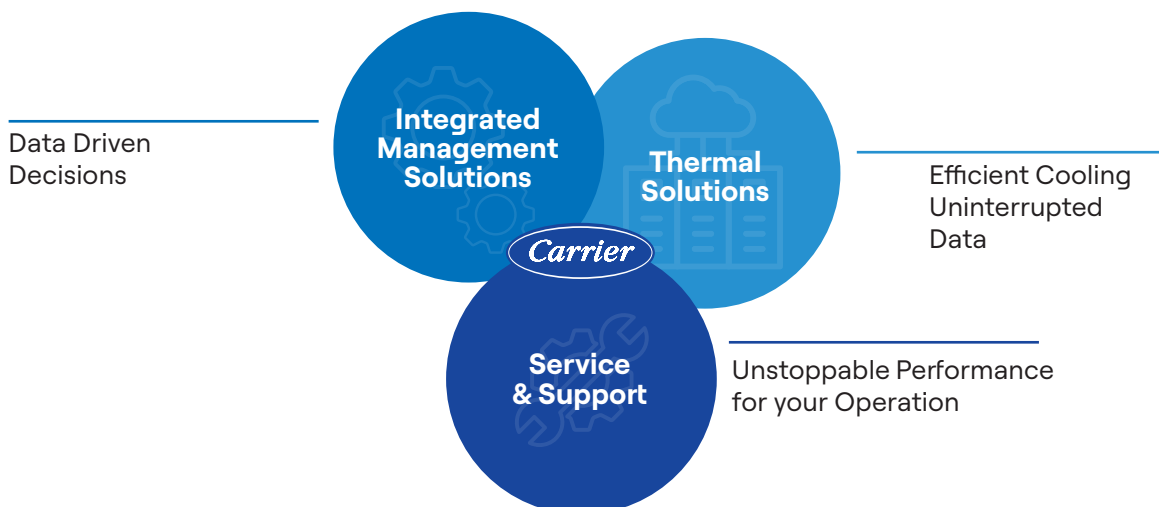
AUTOMATION

Smart Sequencing for your Plant room equipment

- Automate
- Integrate
- Coordinate

Carrier QuantumLeap™ Data Centre Solutions

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



For more information about the Carrier CDU and QuantumLeap Data Centre Solutions, and to connect with a Carrier data centre expert, visit <https://quantumleap.carrier.uk/>