



Efficient, high-performing Carrier HVAC solutions

DESIGNED FOR THE DATA CENTER



Lifecycle solutions for complete data center optimization

Data centers have never been more strategic or critical than they are today. They have also never faced greater scrutiny regarding efficiency, availability and flexibility. As your data center evolves, you need cooling system solutions – **and a trusted partner** – that can evolve with it. At Carrier, we're always here with purpose-built solutions and expertise to help you face all your data center challenges with confidence.

Our HVAC equipment delivers essential cooling while reducing both your energy consumption and carbon footprint. Our management systems integrate building and IT infrastructure to provide greater visibility and optimization. Our service and support ensure peace of mind and help enable continuous operations. **And as a truly global partner, we're there wherever and whenever you need us.** It all adds up to the confidence you need to operate with optimized performance at every stage of the data center lifecycle – and at Carrier, it's delivered by design.

Next-level, integrated management solutions. Designed for the data center.

Nlyte Software

Integrated Data Center Management (IDCM)

Integrated Data Center Management offers the next level of insight and control for today's increasingly complex computing and supporting infrastructure. IDCM tightly integrates the various systems within a data center in new and unique ways for energy savings, reduced costs and improved resiliency. IDCM is built with best-in-class technology from Automated Logic and Nlyte, unifying the worlds of Building Management Systems and Data Center Management.

Nlyte Asset Optimizer

Bring automation and efficiency to asset lifecycle management, capacity planning, workflow integration and audit and compliance tracking with an open and scalable software solution designed for the data center. Nlyte Asset Optimizer simplifies space and energy planning and connects seamlessly with IT Service Management (ITSM) and business intelligence applications, making it easy for you to manage any asset, from receiving dock to decommissioning, in any enterprise, colocation or edge facility globally.

Nlyte Energy Optimizer

Monitor power and cooling. Deliver threshold alarming. View real-time and historical analytics. It's all possible with Nlyte Energy Optimizer, a highly scalable, hardware-agnostic solution that manages and tracks the data center power chain. Take advantage of its powerful capabilities designed to help improve energy consumption, reduce disruption and track performance across all your locations.



Automated Logic

WebCTRL® Building Automation System

The WebCTRL Building Automation System from Automated Logic brings all your building's subsystems together with one web-based platform that makes it easy for you to understand, control and analyze data center operations. Take advantage of powerful visualization tools, robust procedural tracking and secure user verification options to implement intelligent strategies for balancing power usage effectiveness with the conditions needed to maximize uptime and adhere to service-level agreements.



Efficient, high-performing HVAC solutions. Designed for the data center.



AquaForce 30XV with Waterside Economizer



AquaEdge 19DV



AquaEdge 19MV



Aero 39DC



Aero 39M

AquaForce® 30XV Variable Speed Air-Cooled Screw Chiller

Rely on Carrier's highly adaptable and easy-to-install AquaForce 30XV air-cooled chiller for industry-leading efficiency, uptime and dependability. Get rapid capacity recovery and IPLV ratings as high as 22.8 (available in certain models). Add the modular free cooling option to maximize savings and environmental benefits. And further optimize performance while reducing downtime with a Carrier factory-supplied/field-installed waterside economizer.

AquaEdge® Water-Cooled Chillers

Carrier's water-cooled chillers combine innovative features, exceptional versatility and a full-system approach to efficient cooling up to 5,500 tons (19,343 kW).

The AquaEdge 19DV and 19MV's unique EquiDrive™ two-stage back-to-back economized compressor excels at the higher loads common with data centers, delivering superior performance. They can restart swiftly following a power loss – just 150 seconds to reach full design capacity once power is restored.

Aero® Air Handling Units

Carrier offers custom and semi-custom air handling units to meet your precise requirements. Both the 39DC and 39M double-walled units provide advanced technology and custom features in a streamlined, easy-to-install package. Optimize your system by choosing from a variety of filters, fans and factory-installed controls to help maintain efficient airflow and ventilation.

Complete lifecycle service and support. Designed for the data center.

BluEdge® Service Solutions

The BluEdge service platform delivers expertise, service and greater peace of mind throughout the lifecycle of your HVAC equipment. Our service tiers offer a range of options, all powered by Abound™ HVAC Performance – your source for actionable insights that can reduce operating costs, increase efficiency and improve uptime.

Advanced Analytics Solution for Predictive Maintenance

ABOUND | Predictive Insights

Abound™ Predictive Insights tracks and predicts HVAC equipment health and performance. Combining advanced data analysis of your building's HVAC equipment with advisory services from our team of experts, it's based on the latest extension of Carrier's CORTIX platform, named the "Best Predictive Analytics Platform" at the 2021 AI Breakthrough Awards.

Carrier Rental Systems

Carrier Rental Systems can help you maintain data center uptime when temperature control is interrupted by scheduled upgrades or unforeseen events. With customized plans according to your timeline, budget and available space, you can use our readily available rental units to ensure continuous operations while you select, order and receive new equipment.





Carrier HVAC Solutions

DATA CENTER BENEFITS AT A GLANCE

IDCM Benefits

- Increased efficiency of power, cooling and space by matching capacity with actual and forecasted demand
- Minimized disruption from planned maintenance or unforeseen failures of power, thermal or building systems
- Improved reliability through end-to-end, unified visibility of all critical systems

Equipment Benefits

- Meets strict environmental requirements necessary to ensure uptime and keep your servers running cool around the clock
- Supports reaching your budget and sustainability goals by reducing energy consumption and carbon footprint
- Equipment, components and features designed for service efficiencies

Service Benefits

- Reliable, 24/7/365 service and support for HVAC system
- Readily available rental equipment minimizes disruptions during upgrades or replacements
- Intelligent digital solutions enable advance notifications, remote diagnostics, decision analytics and enhanced field service support to maximize operations
- Expert guidance, from system design to ongoing maintenance

We know that cooling is just one part of an optimized data center environment, that's why Carrier also offers a wide range of design services as well as fire and security systems to help keep your data center operating safely and securely 24/7. From system design, energy analysis and energy-as-a-service to aspirating smoke detection, incident management, mass notification, fire suppression, cloud-based physical access control, video surveillance with analytics and more, turn to the experts at Carrier.



At Carrier, **our solutions are designed for the data center** – and we're always here to provide the confidence you need to operate with optimized performance no matter how your demands evolve. **Contact your local Carrier expert at carrier.com/datacenters.**



carrier.com/datacenters