



For Immediate Release

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Carrier Previews AquaEdge® 19DV Centrifugal Chiller with Environmentally Sustainable Refrigerant

New chiller for North American segment

LAS VEGAS, Jan. 30, 2017 — Today, [Carrier](#) unveiled its latest innovation, the new AquaEdge® 19DV centrifugal chiller with Greenspeed® intelligence and a low Global Warming Potential (GWP) refrigerant. The breakthrough technology is being introduced in North America for the first time and delivers on customer demands for excellent performance, leading efficiency and environmental responsibility. Carrier, a world leader in high-technology heating, air-conditioning and refrigeration solutions, is a part of UTC Climate, Controls & Security, a unit of United Technologies Corp. (NYSE: UTX).

Improvements in compression technology and integration of Carrier's Greenspeed intelligence variable-speed technology enabled Carrier to significantly improve its centrifugal full- and part-load efficiencies. The result is the high-efficiency AquaEdge 19DV centrifugal chiller that saves energy costs and reduces environmental impact.

"The AquaEdge 19DV chiller technology represents our commitment to deliver climate control solutions that respect and surpass our customer's expectations for

comfort and the environment,” says Greg Alcorn, vice president and general manager, Carrier Commercial Systems.

The advanced two-stage compressor was designed and optimized for refrigerant R-1233zd(E), which has a GWP of 1.34 and an A1 safety classification per ASHRAE standard 34. The compressor’s low-speed direct drive back-to-back design significantly improves efficiency while balancing internal forces, enabling the use of energy-saving ceramic bearings that utilize the refrigerant already in the chiller as lubricant. The intuitive touch screen user interface provides graphical trending and remote access capability and can be mounted on any corner of the machine. Its simplicity, flexibility and performance make the AquaEdge 19DV easy to own and operate.

PIC5+ controls for intelligent chiller management

Equipped with Carrier’s latest achievement in PIC5+ intelligent controls, and integrated with the Carrier lifecycle data management system, the AquaEdge 19DV allows users to easily track and analyze the chiller’s operational data, which helps to identify potential risks or areas for upgrading. The control system can also be linked to the user’s building automation system, enabling remote access to the chiller’s running data in real time.

A smart connected chiller with Carrier® SMART Service

With the factory-installed addition of Carrier® SMART Service, building owners and facility managers can now experience a new level of equipment connectivity solutions including: remote diagnostics, long-term performance trending, benchmarking, decision analytics, and advanced notifications. By leveraging new insights derived from

these capabilities, Carrier SMART Service can help improve equipment reliability and reduce energy usage, maintenance expenses and resource consumption.

High operational flexibility to respond to demanding situations

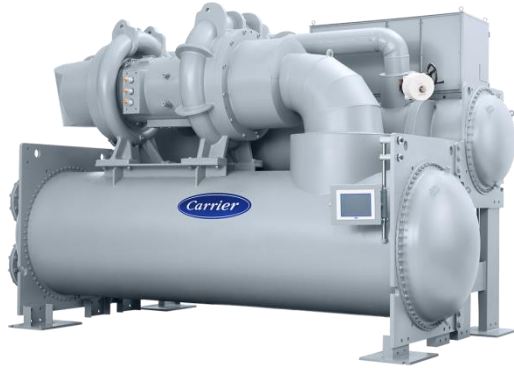
The AquaEdge 19DV adopts multiple technologies to optimize itself for robust operation in various demanding scenarios. For instance, the Greenspeed intelligence, together with the unique compressor design that deploys one inlet guide vane for each of two stages, supports stable chiller operation at all times, even at 10 percent part load. This means consistent performance during off-peak hours in office buildings where computers operate at night. Also, PIC5+ controls allow swift restart in just 30 seconds in case of an unexpected power failure. This is extremely important for businesses like data centers where downtime can negatively impact their operations and bottom line.

“Carrier is invested in technology and in our ability to innovate for our customers,” says Alcorn. “This thoughtfully engineered solution delivers the worry-free operation that our customers have come to expect from Carrier, at even higher efficiency levels and greatly reduced environmental impact.”

To learn more, contact your local Carrier expert or visit Carrier.com and follow [@Carrier](https://twitter.com/Carrier) on Twitter.

About Carrier

Founded by the inventor of modern air conditioning, Carrier is a world leader in high-technology heating, air-conditioning and refrigeration solutions. Carrier experts provide sustainable solutions, integrating energy-efficient products, building controls and energy services for residential, commercial, retail, transport and food service customers. Carrier is a part of UTC Climate, Controls & Security, a unit of United Technologies Corp., a leading provider to the aerospace and building systems industries worldwide. For more information, visit www.carrier.com or follow [@Carrier](https://twitter.com/Carrier) on Twitter.



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Carrier's new AquaEdge® 19DV centrifugal chiller delivers climate control solutions and customer comfort with environmentally sustainable refrigerant.

