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Carrier Chillers Provide Win-Win-Win for Customers
*Latest Variable-Speed Chillers Increase Capacity while
Lowering Operating Costs and Reducing Energy Consumption*

SYRACUSE, N.Y., March 14, 2012 — With several installations on the horizon, 2012 promises to be an exciting year for Carrier and its 17DA centrifugal water chiller product team. Two universities — Oklahoma State University and King Saud University in Saudi Arabia — recently awarded Carrier with contracts for the purchase, installation and commissioning of [17DA centrifugal water chillers](#). [Carrier](#), the world's 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).

[Oklahoma State University](#) awarded Carrier with a contract for two 17DA chillers as part of its ongoing West Chilled Water Plant Improvement Project. Since the 1970s, Carrier has worked with engineers and building specialists at Oklahoma State University's Stillwater campus to develop an energy-efficient chilled water distribution system for nearly 30,000 students and employees and more than 84 buildings, including research laboratories, classrooms, offices, a large library and the nation's largest student union.

“Oklahoma State University prides itself on operating one of the lowest total energy-consuming plants of this type in the country,” said Harold Valencia, manager, industrial special



turn to the experts A stylized green leaf graphic is positioned to the right of the text "turn to the experts".

order business, Carrier. "The variable-speed capabilities of the Carrier 17DA chiller, as well as its reliable and durable design, make it the perfect fit for this type of application."

Carrier's 17DA centrifugal chiller has a variable-speed drive that varies the speed of the compressor in response to the requested load and reduced head pressure requirements. In effect, the chiller's energy consumption can be optimized over a range of required performance criteria to precisely match the cooling needs of the University at the lowest cost operating point. This variable-speed drive helps to optimize the operation of individual chiller units and Oklahoma State University's chilled water distribution system overall.

The bottom line? Carrier's variable-speed chillers not only help Oklahoma State University and other facilities achieve greater efficiency, but can also assist them in realizing significantly lower operating costs and energy dollar savings, creating a "Win-Win-Win" for customers.

And the news is spreading. In Riyadh, Saudi Arabia, [King Saud University](#) recently ordered six new-generation Carrier 17DA chillers to replace its existing 17DA fleet. The University's existing Carrier 17DA chillers have been in service more than 30 years. The new-generation Carrier 17DA units will offer superior efficiency and the latest advanced microprocessor controls, but with the same long-life durability as the older, proven machines. Each new 17DA machine produces a capacity of up to 5,000 tons of cooling based on a single-stage compressor design. King Saud University will take delivery of the 17DA machines over the next two years.



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"This win for Carrier underscores King Saud University's confidence in Carrier's new generation 17DA, which employs modern R134 refrigerant, offering among the lowest life-cycle costs in the industry," said Baqir Ali Joher, general manager, Carrier Saudi Arabia.

For more information on Carrier products and services, visit www.carrier.com

ABOUT CARRIER

Carrier is the world's 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 foodservice customers. Founded by the inventor of modern air conditioning, Carrier improves the world around us through engineered innovation and environmental stewardship. 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. Visit www.carrier.com for more information.

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