

News

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**CARRIER EVERGREEN® 23XRV WATER COOLED CHILLER PROVIDES  
FULL-LOAD AND OFF-PEAK ENERGY SAVINGS**

(DALLAS, Tex. – January 30, 2007) – In October 2005, Carrier Corporation, the world leader in heating, ventilation, air conditioning, and commercial refrigeration (HVAC), introduced the Evergreen® 23XRV variable speed screw chiller using HFC-134a refrigerant as an extension to the Evergreen® Series water-cooled chiller line. This product was a first by Carrier - employing new technology to achieve world-class energy efficiency with zero compromise on ozone protection. The customer response and acceptance to Carrier's chiller has been unprecedented. "We have received orders in 15 states and 11 countries in just the first year of production," commented Kelly Romano, president, Building Systems and Services, Carrier Corporation. Carrier is a subsidiary of United Technologies Corp. (NYSE:UTX).

As energy prices rise, more businesses and facility owners are under pressure to reduce cost and are evaluating options to reduce wasted energy in their chiller plants. Most complexes are fully occupied during business hours and

unoccupied in the evening and weekends. Under these conditions many chillers are lightly loaded and inefficient. "The variable speed screw of the Evergreen 23XRV gives owners the flexibility to reduce the load efficiently when the facilities are in limited use. The Evergreen 23XRV delivers full-load energy efficiency ratings as high as 0.53 kW/ton, significantly reducing peak demand charges as well as power distribution equipment size requirements. And with part-load energy efficiency ratings as high as 0.33 kw/ton, the Evergreen 23XRV has the lowest life cycle costs of any water cooled chiller in the industry," said Charlie Figueroa, vice president and general manager, North America Commercial Applied Equipment. "On average the Evergreen 23XRV is 40 percent more efficient than ASHRAE 90.1 standards."

The Evergreen 23XRV uses non-ozone depleting HFC-134a refrigerant. "With the ozone hole at record proportions, it becomes even more important to accelerate the use of non-ozone depleting technologies," added Figueroa. The United Nations has previously reported that ozone depletion causes increased rates of skin cancer, eye disease and eco-system disruptions. Consequently, the Montreal Protocol and U.S. Clean Air Act require the phase-out of all HCFC-based products.

"In addition to its efficiency and ozone protection, the Evergreen 23XRV compressor design has only three moving parts and no slide valves, purge unit, or shaft seals, making the 23XRV very easy to maintain, a critical feature for any facility manager who maintains a large number of buildings," commented Tom Franaszek, product business manager for water cooled chillers. "Carrier's

superior performance and ease of maintenance will help keep operating costs and demand charges down for years to come," added Franaszek.

Carrier Corp., headquartered in Farmington, Conn., is the world's largest company providing heating, air conditioning and refrigeration solutions, with operations in 172 countries. United Technologies Corp. is a Hartford, Conn.-based provider of a broad range of high-technology products and support services to the aerospace and building systems industries.

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