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**Trane Optimus Water-Cooled Chiller Now Available with Adaptive Frequency Drive for Increased Energy Efficiency**

***Optimus water-cooled chiller offers cost-effective, precise temperature control***

**Pueblo, Colo., June 12, 2014** — [Trane](#), a leading global provider of indoor comfort solutions and services and a brand of [Ingersoll Rand](#), is introducing an enhanced [Trane® Optimus™ helical rotary water-cooled chiller](#) now available with the Trane® Adaptive Frequency™ drive (AFD).

The AFD adjusts motor speed based on demand to reduce energy consumption and, as a result, energy costs. The Optimus chillers have cooling capacities ranging from 150 to 430 tons, making them economical cooling solutions for most buildings, including high-occupancy schools, hospitals and hotels.

“The Optimus water-cooled chiller delivers up to 39 percent better energy efficiency than the ASHRAE 90.1 standard requires,” said Rolf Paeper, applied products business leader at Trane. “That level of efficiency surpasses a number of similarly sized competing centrifugal chillers, making it a cost-effective solution for many customers.”

Trane [Tracer™](#) controls allow building owners to precisely regulate system performance for increased efficiency and reduced energy consumption. The Optimus chiller can control water temperature variance within 0.5°F (0.3°C). This level of precision enables the Optimus chillers to manage industrial or low-temperature process cooling and humidity in critical applications. The chiller can produce temperatures as low as 10°F (-12°C) for quick-freezing applications, like ice rinks. When operating in heat-recovery mode, the Optimus chiller generates condenser water temperatures as high as 114°F (45.6°C), which can reheat air at variable air volume (VAV) boxes, preheat air for air handlers and be used for snow-melting processes.

Designed for easy installation, the Optimus chiller can be delivered through standard 72" x 80" double doors. Its bolt-together construction allows the Optimus chiller to fit through even smaller entryways, making it ideal for tight spaces and retrofit applications.

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## Trane Optimus Water-Cooled Chiller Now Available with Adaptive Frequency Drive for Increased Energy Efficiency - 2

The direct-drive compressor used in the Optimus chiller is designed with few moving parts to reduce maintenance needs and failure risks. Under normal operating conditions, periodic tube cleaning and an annual oil check are the only manufacturer-recommended maintenance guidelines. In addition, the evaporator is designed to deliver high efficiencies using less refrigerant, which can help buildings attain LEED® certification.

To learn more about the Trane Optimus water-cooled chiller, visit [Trane.com/optimus](http://Trane.com/optimus).

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### About Ingersoll Rand and Trane

Ingersoll Rand (NYSE: IR) advances the quality of life by creating comfortable, sustainable and efficient environments. Our people and our family of brands — including [Club Car](#)®, [Ingersoll Rand](#)®, [Thermo King](#)® and [Trane](#)® — work together to enhance the quality and comfort of air in homes and buildings; transport and protect food and perishables; and increase industrial productivity and efficiency. Trane solutions optimize indoor environments with a broad portfolio of energy efficient heating, ventilation and air conditioning systems, building and contracting services, parts support and advanced control. Ingersoll Rand is a global business committed to a world of sustainable progress and enduring results. For more information, visit [ingersollrand.com](http://ingersollrand.com) or [trane.com](http://trane.com).

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