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## Trane Sintesis™ Air-Cooled Chillers are Now Available to Help Reduce Greenhouse Gas Emissions

*Sintesis chillers - engineered to use R-513A, a next-generation, low GWP refrigerant - are now available in Europe, the Middle East, North and Latin America*

**Davidson, N.C., June 15, 2015** – Trane, a leading global provider of indoor comfort solutions and services and a brand of Ingersoll Rand, recently introduced the [Trane® Sintesis™](#) family of air-cooled chillers. These chillers are now available for order in Europe, the Middle East, North and Latin America.

Sintesis chillers are part of the Ingersoll Rand® EcoWise™ portfolio of products designed to lower their environmental impact with next-generation, low global warming potential (GWP) refrigerants and high-efficiency operation.

“With the availability of this portfolio, Ingersoll Rand is acting upon our commitment to significantly increase energy efficiency and reduce environmental impact from our operations and product portfolio by 2020,” said Dave Regnery, President, HVAC Commercial, North America, Europe, Middle East and Africa, for Ingersoll Rand. “Through the new, expanded Sintesis chiller portfolio, Trane now offers building owners and businesses more choices regarding how and when to reduce greenhouse gas emissions.”

Sintesis chillers offer customers a choice to use either R-134a or DuPont Opteon® XP10 (R-513A), a next-generation, low-GWP refrigerant to address sustainability objectives. The portfolio provides more than options for refrigerants. The portfolio also:

- Achieves industry leading Energy Efficiency Ratio (EER) and European Seasonal Energy Efficiency Ratio (ESEER)
- Uses up to 40 percent less refrigerant than traditional tube/fin and flooded heat exchanger technology due to the micro-channel condenser coil and the compact, high-performance, integrated, low charge (CHIL) evaporator design.
- Reduces noise and improves acoustics through its factory-installed acoustic treatments for consistent, quiet operation to meet specific application requirements. A user-selectable noise-reduction mode is also available to help comply with nighttime and weekend neighborhood noise restrictions. Acoustic packages deliver amongst the quietest operations in the market adhering to noise level regulations while improving further the efficiency.

“Sintesis chillers are designed to deliver energy efficiency and offer choices with a variety of options to meet specific needs,” said Jeff Moe, applied portfolio business leader for Trane Commercial. “Efficiency and acoustic combinations prove the versatility of the Trane Sintesis and make it suitable for every purpose and building application including comfort, and process cooling, all year round and all around the globe.”

Next-generation integrated controls offer a simple user interface that is standard on every Sintesis chiller, delivering efficiency and performance advantages. The Tracer AdaptiView™ chiller controls feature a 7-inch color touch-screen display for at-a-glance status and intuitive navigation for simplified operation.

Proven control strategies such as integrated temperature and flow logic respond to a wide variety of conditions and maintain reliable, efficient chiller operation. Adaptive Control™ keeps the chiller working efficiently in extreme conditions— even under a building automation system failure — for continued reliable operation when it is needed most. The control set up of Sintesis chillers offers a unique ice storage feature for cooling during peak demand.

### **Availability and Size**

In Europe and the Middle East, the new Trane Sintesis chillers are available in sizes of 245 up to 450 (cooling capacities from 300 to 1600 kW). The chillers reach 1.6 MW of cooling capacity at Eurovent rated points and supplement the original 090 to 205 sizes introduced by Trane in 2014.

In North and Latin America, Sintesis chillers (115–500 tons) will be available throughout the year, starting with the 115- to 215-ton models available now, and followed by the 230- to 500-ton models in late 2015.

To learn more about Trane Sintesis air-cooled chillers, visit [trane.com/Sintesis](http://trane.com/Sintesis).

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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. We are a \$13 billion global business committed to a world of sustainable progress and enduring results. 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. For more information, visit [www.ingersollrand.com](http://www.ingersollrand.com) or [trane.com](http://trane.com).

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