



May 9, 2016

Trane Introduces New Range of Sintesis™ Air-Cooled Chillers for Significant Reduction of Energy Use and Greenhouse Gas Emissions

New range has market-leading Energy Efficiency Ratio (EER) and European Seasonal Energy Efficiency Ratio (ESEER), and is designed to use a next generation refrigerant and part of Ingersoll Rand® EcoWise™ product portfolio

Brussels, May 9, 2016 – Trane, a leading global provider of indoor comfort solutions and services and a brand of Ingersoll Rand, now offers building owners additional choices for meeting their energy efficiency, comfort and process cooling needs with the introduction of Sintesis™ eXcellent in Europe.

Trane eXcellent is a new model range within the Sintesis family of air-cooled chillers and 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.

“Heating, ventilation and air-conditioning (HVAC) systems are important long-term investments that can significantly reduce a building’s carbon dioxide (CO₂) emissions and improve efficiencies,” said Jose La Loggia, general manager of Trane in Europe. “Building owners focus not only on energy and operational efficiencies when making decisions about the system to purchase, but are more often raising the important question about the system’s environmental impact. We develop solutions that give our customers peace of mind to ensure our designs meet and exceed efficiency and GWP regulations and reduce the impact on the environment.”

The new eXcellent model uses next generation refrigerant Honeywell Solstice® ze (R1234ze), which has a GWP value of less than one when used in this design. The eXcellent range also uses the most efficient heat exchangers available on the market along with additional energy saving options such as partial and total free cooling. With capacities from 500 kW to 1260 kW, the eXcellent range is suited for critical environments like data centers, hospitals, large office buildings and industrial process applications.

The introduction of the Trane eXcellent range is a contribution to the commitment made by Ingersoll Rand to significantly increase energy efficiency and reduce environmental impact from its operations and product portfolio by 2020. This new solution exceeds current F-Gas legislation requirements and helps customers reduce their CO₂ emissions through the combination of the extreme efficiencies reaching Net ESEER values of 5.71 and Net EER values of 3.88, and the use of the Honeywell Solstice® ze (R1234ze) refrigerant.

The new chillers use 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 known from the Trane Sintesis family.

About our Climate Commitment

To create a sustainable future, Ingersoll Rand announced a profound climate commitment in September 2014 – a roadmap to significantly increase energy efficiency and reduce our environmental impact from our operations and product portfolio by 2030 (with milestones at 2020).

Our Climate Commitment is a pledge to:

- | Cut the refrigerant-related greenhouse gas (GHG) footprint of its products by 50 percent by 2020 and incorporate lower GWP alternatives across its portfolio by 2030;
- | Invest \$500 million in product-related research and development over the next five years to fund the long-term reduction of GHG emissions; and
- | Reduce company operations-related GHG emissions by 35 percent by 2020.

To date, the company’s Climate Commitment has supported the avoidance of approximately 2 million metric tons of CO₂e globally, which is the equivalent of avoiding annual CO₂ emissions from energy used in more than 270,000 homes or more than 2.1 billion pounds of coal burned. By 2030, the company expects to reduce its carbon footprint by 50 million metric

tons.

For more information on the Ingersoll Rand Climate Commitment, visit our [website](#).

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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 or trane.com.

Contacts:

Mike Hall

Trane, a brand of Ingersoll Rand

+32-475-343-463, MikeA.Hall@irco.com

-OR-

Michał Karkoszka

Trane, a brand of Ingersoll Rand

+48-601-077-932, Michal.Karkoszka@irco.com