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**Trane Launches Trane® Advantage VRF™ Variable Refrigerant Systems for Commercial Applications**

*Technology delivers industry-leading energy efficiency and improved climate control*

**Davidson, N.C., May 21, 2013** — Trane® Advantage VRF™ variable refrigerant systems — featuring variable-speed compressor technology — offer customizable solutions for improved temperature control and occupant comfort in an energy-efficient package that reduces operating expenses.

The new systems from Trane, a leading global provider of indoor comfort systems and services and a brand of Ingersoll Rand, adopt 'smart inverter' compressors and feature an upgraded vapor injection system, providing improved performance over previous versions.

Using refrigerant to move energy around the building is far more efficient than other conventional heating, ventilation and air conditioning systems. Variable-speed compressor technology precisely matches energy use to the demands of the building, heating and cooling only the areas that require it.

"The improved comfort and class-leading efficiency this solution offers is made possible by the superior technology built into the Trane Advantage VRF systems," said Jeff Peters, sourced product leader for Trane.

The systems are highly scalable and can supplement other heating and cooling solutions for difficult climate control areas.

The external and internal units themselves are compact and come in a variety of options, from 3- to 36-ton outdoor units which require no equipment room to ½- to 7 ½ ton indoor units, which can be concealed above ceilings or installed in the desired space.

Because the systems are ductless, less installation space is needed and climate control solutions are available in entire buildings or areas within that don't allow room for ductwork.

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## Trane Launches Trane Advantage VRF Variable Refrigerant Systems for Commercial Applications – 2

The systems offer simultaneous heating and cooling, transferring energy within a building to provide cooling to one area while providing heating to another area of the same building. This feature creates a solution for buildings with multiple zones that naturally heat up and cool down in varying patterns.

“Moving away from a ‘one setting fits all’ approach to heating and cooling reduces conflict among tenants over temperature control settings and reduces complaints about indoor climate for operators,” said Dave Patlovich, product manager for Trane Ductless Systems. “The new systems deliver individualized solutions to meet our customers’ unique needs.”

Trane Advantage VRF systems provide multiple options for unit configuration and control that make spaces more attractive to tenants, including zone-level control of individual indoor units and centralized-level controls for control of up to 256 total indoor units in up to 16 groups. Building-level controls can manage an entire structure’s multiple-VRF systems on-site or via BACnet® connectivity, or remote internet access.

Individual zone control gives occupants and building managers more flexibility and efficiency in their use of energy. The ability to track individual unit energy use allows owners to bill tenants based on energy use and indicate areas that might need repair or would benefit from energy efficiency improvements.

The systems are suited for use as a stand-alone or additional system in historic buildings, multi-tenant buildings, diversely occupied buildings, tenant-finished commercial properties and other area-containing buildings such as luxury suites, ticket offices and administrative rooms, where full control over temperatures can add additional comfort and value.

To learn more, visit [Trane.com/TVR](http://Trane.com/TVR).

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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 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 [ingersollrand.com](http://ingersollrand.com) or [trane.com](http://trane.com).

### Image information:

**JPEG name:** Trane\_VRF.jpg

**Suggested Caption:** Trane® Advantage VRF™ variable refrigerant systems — featuring variable-speed compressor technology — offer individualized solutions for improved temperature control and occupant comfort in an energy-efficient package that reduces operating expenses. Variable-speed compressor technology closely matches energy use to the demands of the building, heating and cooling only the areas that require it.