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New Trane Dedicated Outdoor Air Systems Improve Air Quality, Lower Heating, Ventilation and Air Conditioning Costs

Humidity control key to customer comfort and cost savings

Davidson, N.C., Aug. 2013 — Trane, a leading global provider of indoor comfort solutions and services and a brand of Ingersoll Rand, has introduced Trane® dedicated outdoor air systems — an energy-saving component for heating and cooling systems.

Trane dedicated outdoor air systems cool and filter 100 percent of outdoor air before directing an optimal amount into a building, which helps maintain compliance with ASHRAE 62.1 ventilation standards, and can decrease indoor humidity and reduce the load on heating, ventilation and air conditioning (HVAC) systems. The result is improved occupant comfort and lower utility bills.

When outdoor air is excessively humid, an HVAC system is challenged to reduce that humidity. The problem worsens as additional sources of indoor humidity are added — which occurs when occupancy levels are high, or when buildings incorporate rooms that naturally produce humidity, like large kitchens and shower facilities. Trane dedicated outdoor air systems improve a building's indoor air quality (IAQ) by properly conditioning outdoor air, while controlling its humidity and filtering out contaminants.

“Good IAQ contributes to occupant comfort — and comfortable building occupants are less likely to have work absences, can be more productive and are more likely to remain building tenants longer,” says Tom Troyanek, product manager for Trane North America. “Additionally, a building with superior IAQ can deliver higher rental income.”

Trane dedicated outdoor air systems include numerous advanced features that help deliver efficient, effective performance and are designed to integrate seamlessly into many HVAC system designs — making them an ideal option for retrofit and new construction projects. In some cases, Trane dedicated outdoor air systems can also serve as standalone devices.

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When incorporated as part of an HVAC system's total design, a Trane dedicated outdoor air system can mean smaller, less expensive, more energy-efficient local or zone terminal devices can be specified, saving money on first costs. The Trane system — which has a life span of up to 20 years or more — can pay for itself in a short amount of time, saving money on first costs and utility bills.

Trane dedicated outdoor air systems are engineered for easy and less frequent maintenance. Design features and durable components including, but not limited to, a beltless fan motor and no-tool, reversible access doors, help make Trane dedicated outdoor air systems easier to keep running at peak efficiency.

To learn more about Trane dedicated outdoor air systems and details on the advanced product features, visit Trane.com/OAU.

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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 or trane.com.