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New Precedent 17 Plus Solution for Schools Earns A+ for Energy Efficiency

Solution holds the industry's highest AHRI energy efficiency rating

Lynn Haven, Fla., June 1, 2011 — Responding to requests for more efficient solutions that provide a better learning and teaching environment, Trane, a leading global provider of indoor comfort systems and services and a brand of Ingersoll Rand, now offers the Precedent™ 17 Plus packaged rooftop unit which is ideal for K-12 schools. This Energy Star-rated solution holds the industry's highest energy-efficiency rating from the Air Conditioning, Heating and Refrigeration Institute (AHRI).

The Precedent is named for the 17.5 Seasonal Energy Efficiency Ratio (SEER) rating it received from AHRI. An Energy Star-rated system, the Precedent 17 Plus also exceeds American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) minimum requirements by more than 30 percent and federal minimum standards by 35 percent.

Schools that are more energy efficient cost less to operate. The financial benefits of creating a sustainable school are about 20 times greater than the cost of going green, according to *Greening America's Schools*¹. Research also shows that conditions inside schools can directly affect learning. Temperature, acoustics and air quality have been linked to students' and teachers' ability to perform².

"This solution enables district leaders to save money through increased efficiency while optimizing the learning and teaching environment," Bill Harris, vice president of education markets for Trane. "A growing number of states are implementing green schools policies and indoor air quality regulations and this system enables districts to meet those requirements in a way that makes good environmental and fiscal sense."

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¹ Gregory Kats, *Greening America's Schools, Costs and Benefits*, Capital EReport: October 2006, <http://www.cap-e.com> (Accessed Feb. 2011).

² Mark Snyder, *Do School Facilities Affect Academic Outcomes?* (Washington, D.C.: The National Clearinghouse for Educational Facilities, Nov. 2002.)

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The Precedent 17 Plus rooftop unit is available with an enhanced indoor fan cycle and variable staged compressor capabilities. This includes an electronically commutated motor (ECM) that is factory installed and programmed. The ECM varies system supply airflow for superior humidity control, comfort, energy efficiency and sound levels at part load conditions. It also provides higher efficiency and significant cost savings during continuous fan operation.

A range of available filtration options — up to Minimum Efficiency Reporting Value (MERV) 13 high-efficiency filters — can be selected to reduce microscopic air borne contaminants and to meet requirements for Leadership in Energy and Environmental Design (LEED) certification.

This system provides accurate and economical temperature and humidity control with a new single zone variable air volume control cycle. This feature adjusts both fan and compressor stages to maintain comfort within the space. The Precedent 17 Plus reduces noise distraction with the use of multiple fan speeds which result in quieter operation.

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About Ingersoll Rand

Ingersoll Rand (NYSE:IR) is a world leader in creating and sustaining safe, comfortable and efficient environments in commercial, residential and industrial markets. Our people and our family of brands — including Club Car®, Hussmann®, Ingersoll Rand®, Schlage®, Thermo King® and Trane® — work together to enhance the quality and comfort of air in homes and buildings, transport and protect food and perishables, secure homes and commercial properties, and increase industrial productivity and efficiency. Trane solutions optimize indoor environments with a broad portfolio of energy efficient heating, ventilating and air conditioning systems, building and contracting services, parts support and advanced control. Ingersoll Rand is a \$14 billion global business committed to sustainable business practices within our company and for our customers. For more information, visit www.ingersollrand.com or www.trane.com.