



News Release

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Trane Adds Variable Frequency Drive (VFD) With TR200 Series

- Adjustable motor speed saves energy, reduces maintenance costs -

Brussels, Belgium, November 4, 2010 – More than ever, facility managers are looking to optimize their building's energy and operational efficiency. Trane, a business of Ingersoll Rand and a leading global provider of indoor comfort systems and solutions, meets this requirement with the new TR200 Series variable frequency drive (VFD).

Designed specifically for heating, ventilating and air conditioning (HVAC) systems, the high quality adjustable speed drive offers a quick return on investment with prolonged motor life and anticipated energy savings of up to 50 percent.

With a range available from 1.1 to 450kW, the TR200 Series VFD can be used to control air handlers, chilled water plants, cooling towers and exhaust fans. The drive ensures accurate HVAC system flow control and improves system efficiency and performance.

VFD technology reduces energy consumption by optimizing motor speed to meet actual demand. HVAC systems equipped with the TR200 Series VFD can achieve efficiency of up to 98 percent or higher at full load. Whenever speed is outside set levels, a sleep mode automatically stops the drive. Automatic energy optimization continually monitors the motor's speed and load to maximize energy savings.

"In both comfort and industrial environments, many HVAC system motors are running constantly at full speed. Optimizing motor speed to actual demand, VFD leads to significant reductions in capital and operating costs," said Michel Van Roozendaal, vice president controls, contracting and services for Trane Europe, Middle East, India and Africa. "A reduction of motor speed of 20 percent can save a company up to 50 percent of electric consumption."

The drive helps reduce systems maintenance costs because it is fully dedicated to optimizing operation of HVAC applications. The TR200 Series VFD offers embedded protection features for pump and fan, as well as a soft start/stop function which lessens wear on coupling, belts and motor. Automatic motor adaptation ensures optimum motor torque performance.

Trane TR200 drives are built to operate safely and trouble-free in ambient temperatures of up to 45°C. Advanced safety features include a firefighter's override and automatic derating at high ambient temperature.

The VFD TR200 Series can be easily installed in both new and retrofit applications. It is integrated in an IP55/IP54 enclosure, offering the smallest IP55 enclosure footprint on the market today. It also supports open standard protocols, like BACnet and LonTalk, for seamless integration in all building automation systems.

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About Trane

Trane, a business of Ingersoll Rand - the world leader in creating and sustaining safe, comfortable and energy efficient environments, improves the performance of homes and buildings around the world. 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. For more information, visit www.trane.com.

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. We are a \$13 billion global business committed to sustainable business practices within our company and for our customers. For more information, visit www.ingersollrand.com.

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