



Facts about the Trane Axiom™ Water-Source Heat Pumps

<p>What is the Trane Axiom water-source heat pump?</p>	<p>The new horizontally configured variable-speed water-source heat pumps are part of the Trane® Axiom™ variable-speed portfolio, and provide maximum design flexibility and cost savings through efficient operation.</p> <p>Now available in sizes up to 5 tons, they are the first horizontally configured variable-speed water-source heat pumps in the industry designed for commercial applications.</p> <p>Trane water-source heat pumps are capable of delivering an energy efficiency rating (EER) of 40 and a potential energy savings of up to 60 percent, when compared to conventional water-source heat pumps. Proprietary control algorithms are factory-programmed to maximize efficiency of onboard eFlex™ technology, optimizing compressor and fan speeds based on changing demand.</p> <p>Trane Axiom variable-speed water-source heat pumps are built in accordance with Air Conditioning Heating and Refrigeration Institute (AHRI) guidelines, with all eligible systems receiving certification.</p>
<p>Features</p>	<p>Horizontal and vertical configurations Trane Axiom variable-speed water-source heat pumps now include horizontal configurations to complement the previously released vertical units. Horizontal configurations provide design flexibility and are capable of meeting the space requirements of a wide variety of buildings.</p> <p>Trane eFlex variable-speed technology Trane eFlex variable-speed technology gradually adjusts compressor and fan speed to maximize energy efficiency in addition to improving occupant comfort by providing a consistent temperature. With minimal on/off cycling, the units also improve acoustics and reliability.</p> <p>Integrated control system Trane Axiom variable-speed water-source heat pumps feature factory-programmed Tracer™ UC400 controls specifically designed to maximize the efficiency potential of Trane eFlex compressor and fan technology. It is the only system in the industry capable of full integration with building automation systems.</p> <p>Improved indoor air quality Trane Axiom water-source heat pumps can be equipped with high-performance MERV 8 and MERV 13 filters, which are proven to help remove airborne contaminants. MERV 13 filters also help earn LEED credits.</p> <p>Electronically commutated motors The eFlex variable-speed fan is powered by a high-efficiency electronically commutated motor. The brushless, long-lasting DC motor is ideal for applications requiring speed control over a wide operating range.</p>
<p>Benefits</p>	<p>Trane Axiom variable-speed water-source heat pumps with eFlex technology provide significant cost savings and operational efficiencies. With proprietary controls and variable-speed compressor and fan technology, Trane water-source heat pumps deliver design flexibility and energy efficiency, as well as improved acoustics, occupant comfort and reliability.</p> <p>The Trane Axiom water-source heat pumps deliver:</p> <ul style="list-style-type: none"> • Design flexibility through multiple configurations • Energy efficiency (up to 40 EER) • Improved acoustics • Greater reliability and occupant comfort
<p>Key Markets</p>	<p>Trane Axiom variable-speed water-source heat pumps are ideal for a large variety of</p>

	building types and sizes, including those used by educational institutions, businesses, industrial and health facilities, and government entities.
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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.

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