



## News Release

FOR IMMEDIATE RELEASE

### **Trane AquaStream<sup>3G</sup> Heat Pumps Bring New Versatility, Efficiency and Reliability**

*-- Heat pump range added to AquaStream<sup>3G</sup> quiet, high efficiency systems --*

**Brussels, Belgium, February 9, 2011** – Customers today are looking for energy efficient comfort systems that can be tailored to their unique, often variable, requirements. Trane, a leading global provider of indoor comfort systems and solutions and a brand of Ingersoll Rand, is meeting this need for efficient versatility by expanding its AquaStream<sup>3G</sup> offering with a heat pump range.

Last year, Trane introduced the AquaStream<sup>3G</sup> air-cooled, scroll water chillers to eliminate the trade-off between high efficiency and quiet operation. Trane is now launching a 60 to 470kW AquaStream<sup>3G</sup> heat pump to provide heating as well as cooling at sound levels as low as 76dB (A).

The AquaStream<sup>3G</sup> is ideally suited for commercial, institutional and industrial buildings in a variety of environments. Its heating mode is optimally operational in ambient temperatures down to -10°C, delivering water temperature up to 55°C.

Powered by a specially designed scroll compressor, the AquaStream<sup>3G</sup> comes with a Eurovent certification and a class A energy efficiency rating. It offers energy efficiency ratings (EER) higher than 3.1 in cooling operation and a 3.2 coefficient of performance in heating mode.

All AquaStream<sup>3G</sup> units feature quiet fans designed to provide low sound levels. Additional attenuation options ensure ultra-quiet operation.

“With the AquaStream<sup>3G</sup> heat pump, we can now bring the demonstrated AquaStream<sup>3G</sup> benefits of low noise coupled with high efficiency to customers who need heating as well as cooling,” said Toni Gallo, vice president strategic marketing and business development for Trane. “The AquaStream<sup>3G</sup> is available in any number of configurations, allowing us to meet our customers’ needs without compromise.”

Advanced operational features, including a patented refrigerant circuit, ensure the AquaStream<sup>3G</sup> delivers maximum reliability and efficiency. State-of-the-art controllers allow for smart defrost cycles to significantly reduce energy consumption and possible unit downtime. Heat exchangers designed for use with the R410A refrigerant and an electronic expansion valve provide better part-load performance and superior refrigerant control.

Different hydraulic packages, including single or dual pumps with standard or high pressure and buffer tank, are available for a best fit in new and existing buildings. The buffer tank, pump, filter and flow switch built inside the unit allow for fast on-site installation. To ensure quick, safe and easy servicing, all main service points are located within 30 centimeters from the outer edge of the unit.

The optional variable frequency drive further reduces energy consumption by adjusting the flow control to meet actual requirement. Additional energy saving options include a heat recovery exchanger.

Maximum reliability of the AquaStream<sup>3G</sup> is ensured by a design and manufacturing process that includes advanced finished element analysis, vibration testing and rigorous quality controls procedures at every stage. Each unit undergoes a final run test before leaving the Trane manufacturing facilities.

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#### **About Ingersoll Rand**

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conditioning systems, building and contracting services, parts support and advanced control. Ingersoll Rand is a \$13 billion global business committed to sustainable business practices within our company and for our customers. For more information, visit [www.ingersollrand.com](http://www.ingersollrand.com).

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