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**New Trane Chiller Sets Industry Benchmark for Energy Efficiency  
and Sound Levels**

***Stealth™ air-cooled chiller delivers reduced energy consumption, improved  
flexibility and performance***

**Pueblo, Colo., June 18, 2013** — Trane, a leading global provider of indoor comfort solutions and services and a brand of Ingersoll Rand, introduces the newest addition to its air-cooled chiller product portfolio, the Trane Stealth™ air-cooled chiller. Available in the 150-300 ton capacity range, Stealth air-cooled chillers deliver an industry-leading combination of part-load and full-load efficiencies and the lowest published sound levels for an air-cooled chiller in the heating, ventilation and air conditioning industry.

At the core of the Stealth chiller's performance is AdaptiSpeed™ technology – the integration of a direct-drive, specific-speed screw compressor, permanent-magnet motors and third-generation Trane Adaptive Frequency™ Drive (AFD3).

“Building on more than 40 years of experience designing air-cooled chillers, Trane engineers brought innovation and knowledge to every component of the next-generation Stealth air-cooled chiller,” said Al Fullerton, chiller product business leader for Trane North America. “These new technologies deliver superior chiller performance and reliability, equating to an extremely low cost of ownership.”

The chiller's innovative compressor design delivers peak efficiency under all operating conditions. As a result, the Stealth air-cooled chiller is capable of up to 12.1 energy efficiency ratio (EER), minimizing the electrical infrastructure required as well as the impact of demand-based utility costs during periods of peak operation. The design also delivers up to 20 integrated part-load value (IPLV) to drive lower overall electrical consumption and ensure energy savings across typical operating conditions.

Additionally, the new compact, high-performance, integrated, low-charge (CHIL) evaporator technology optimizes refrigerant flow for improved efficiency and better heat transfer performance, while using up to 40 percent less refrigerant than traditional flooded designs.

Quiet operation is designed into every Stealth air-cooled chiller as standard, along with two optional InvisiSound™ acoustic reduction treatments available to meet specific application needs.

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## **New Trane Air-Cooled Chiller Sets Industry Benchmark for Energy Efficiency and Sound Levels — 2**

The key to low sound levels is the combination of variable-speed compressors, variable-speed condenser fans and an integrated compressor muffler. Because variable-speed compressors and condenser fans only operate as fast as demand levels require, their overall sound levels are less than those of constant-speed units. The integrated compressor muffler reduces sound even more — up to 10 decibels (dB) when compared to the previous compressor designs.

For additional sound reduction, the InvisiSound Superior package adds acoustical treatments to key sound-generating components. For installations that require the lowest published sound levels for an air-cooled chiller, the InvisiSound Ultimate package features a user-selectable noise-reduction mode that can be activated to limit the maximum condenser fan speed, achieving even lower sound levels and unit operation management to comply with nighttime and weekend noise restrictions.

“Three available InvisiSound packages provide flexibility for our customers to meet their buildings’ unique needs,” said Todd Duncan, product manager for air-cooled chillers. “Additional design features, exclusive controls and factory-installed options save time during Stealth chiller installation and assure consistent performance.”

Trane controls add additional performance and efficiency advantages. The Tracer™ UC800 provides the intelligence behind the Stealth chiller and features Adaptive Control™ algorithms that respond to a variety of conditions to maintain efficient chiller plant operation.

The chiller’s design allows for easy integration with facilities that have specialized requirements. In the case of a power interruption, Stealth chiller’s rapid restart capability can quickly regain full operational capacity, so mission-critical applications can maintain maximum uptime.

Unique to the industry, the Trane true 24-pulse drive produces low harmonic distortion levels that meet the stringent requirements of IEEE 519. Its rugged design also means the AFD3 can effectively handle electrical dips, surges and other imbalances to maintain reliable chiller operation.

Stealth air-cooled chillers include standard features and are available with additional factory-installed options to make system design, installation and start-up faster and easier. The chillers also incorporate multiple design features for easier, safer and less frequent maintenance once installed.

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## News Release

### **New Trane Air-Cooled Chiller Sets Industry Benchmark for Energy Efficiency and Sound Levels — 3**

The Trane Stealth air-cooled chiller is ideal for a wide variety of building types and sizes – both new construct and existing buildings, especially for K-12 educational institutions and data centers.

To learn more, visit [www.trane.com/Stealth](http://www.trane.com/Stealth).

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