



**TRANE**

*It's Hard To Stop A Trane.*

# Trane TruComfort™ Variable Speed Systems



**IR** Ingersoll Rand



*It's Hard To Stop A Trane.®*

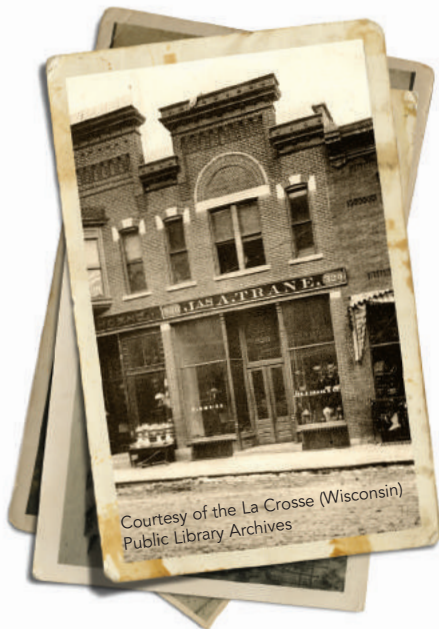
## Variable Speed. We created it, then perfected it.

Variable speed is not new technology for Trane. It's technology perfected. Trane was the first in the industry to apply variable speed technology to residential air conditioning. Now Trane brings variable speed technology to the next level, with a system that intuitively adjusts to changing heating and cooling needs, working only as hard as it has to and often at lower, more efficient and quieter speeds.



XV20i  
Heat Pump or  
Air Conditioner

XV18  
Heat Pump or  
Air Conditioner



Courtesy of the La Crosse (Wisconsin) Public Library Archives

Trane Storefront  
La Crosse, Wisconsin  
1891

**It all started over a hundred years ago,** when Reuben and James Trane made the decision to stand out from the crowd. To build a comfort system like no other, using uncompromising quality, innovation and reliability. Today, their legacy is found in everything Trane makes, from our premium materials to our industry-leading technology to our extensive product testing under the harshest conditions. When you buy a Trane, you're buying a commitment from us, to you. A commitment to your total comfort, and your total peace of mind. Because that's what Reuben and James would have done.



Take a look inside one of the torture chambers at the Trane testing facility in Tyler, Texas. Although most outdoor products will never go through these kind of extremes, we believe in taking extraordinary measures to ensure the reliability of a Trane.

### We're not the only ones talking about Trane reliability.

- ✓ In 2016, Lifestory Research found that consumers recognized Trane as America's Most Trusted™ HVAC System for the second year in a row.\*
- ✓ Winner of the Dealer Design Award presented by Air Conditioning, Heating & Refrigeration NEWS, the industry's leading trade publication, for the fifth year in a row.
- ✓ Winner of the David Weekley Homes' prestigious Partners of Choice Award for Service and Product Performance.

\* Trane received the highest numerical score in the United States in the proprietary Lifestory Research 2016 America's Most Trusted™ Heating, Ventilation, & Air Conditioning (HVAC) System study. Study based on 17,878 surveys among residential consumers. Proprietary study results are based on experiences and perceptions of consumers surveyed between January and December 2015. For details see [www.lifestoryresearch.com](http://www.lifestoryresearch.com).





WE  
FREEZE,  
BROIL,  
STRESS,  
DROP,  
SHOCK,  
EXPOSE,  
LISTEN,  
AND  
TAKE 'EM  
HOME  
WITH US.

The Systems Extreme Environmental Test Lab is just one of many tests our outdoor products are put to. It's where we pack a lifetime of Mother Nature's fury into 16 weeks of torture that would stand up to the harshest environment this planet has to offer. Then we test them where it really matters: in our homes. Just one of the many reasons why *It's Hard To Stop A Trane.*



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# More stages mean more comfort and efficiency.

Staging refers to an air conditioner's or heat pump's ability to run at less than its maximum capacity in order to increase comfort levels and boost efficiency. For example, two-stage systems offer better comfort and higher efficiency than single-stage systems, while Trane's TruComfort™ variable speed system, with 700 to 750 stages, offers maximum comfort with the highest efficiency.

### What does "Stages of Comfort" really mean?

Sometimes you just feel "too hot" or "too cold" between cycles of your system. Having 700/750 stages nearly eliminates temperature fluctuations. Your system glides along as if on cruise control, barely sipping electricity for much of the day. It also runs at lower speeds for longer periods of time offering:

- **Advanced temperature control**
- **Lower humidity**
- **Reduced sound**
- **Enhanced filtration**
- **Lowest cost per minute**



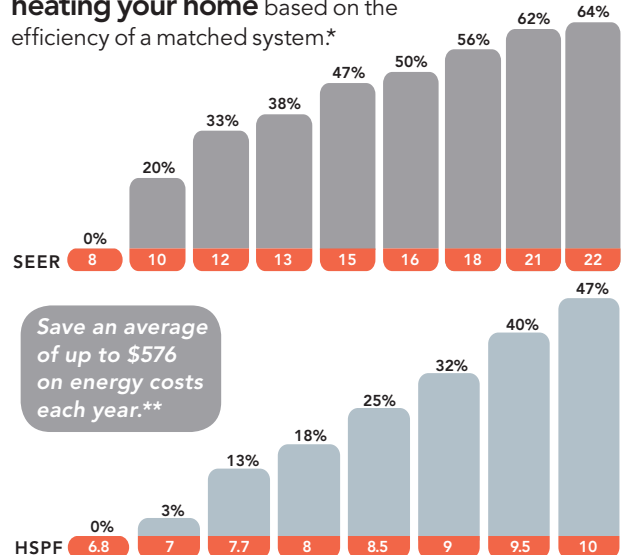
## The higher the system SEER and HSPF ratings, the more comfort you will get from each energy dollar.

### Understanding the ratings.

Different ratings measure the efficiency of specific types of heating/cooling systems. Here's what you need to know.

- **SEER (Seasonal Energy Efficiency Ratio)** measures air conditioning and heat pump cooling efficiency.
- **HSPF (Heating Seasonal Performance Factor)** measures the efficiency of a heat pump.

### Annual savings for cooling and heating your home based on the efficiency of a matched system.\*



\* The majority of systems installed prior to 2006 are 10 SEER or lower. Potential energy savings may vary depending on your personal lifestyle, system settings and usage, equipment maintenance, local climate, actual construction and installation of equipment and duct system.

\*\* Based on Energy Star's Savings Calculator for a 3-ton 21 SEER/10 HSPF heat pump and programmable thermostat versus the industry standard 13 SEER/7.7 HSPF 3-ton heat pump and standard thermostat in St. Louis, MO.

## A CLOSER LOOK INSIDE A TRANE TRUCOMFORT™ SYSTEM.

**WeatherGuard™ II Top** is not only attractive, the durable polycarbonate material provides lasting protection.

**Exclusive Refrigerant Cooled Inverter** keeps electronics at a consistent temperature leading to improved performance and reliability.

**Climatuff® Variable Speed Compressor** is the heart of Trane TruComfort™ technology. It automatically adjusts itself while maintaining constant and consistent comfort.

**Compressor Sound Insulators** reduce operating sound for a quieter home environment.



**Integrated Fan System** with its unique blade-down design improves airflow, enhances performance and reduces sound levels.

**Exclusive All-Aluminum Spine Fin™ Woven Coil** enhances airflow and heat transfer while resisting corrosion and leaks. They are proven far more reliable than traditional copper and aluminum coils.

**ComfortLink™ II Communicating Control Board** powers the compressor and controls communication between components to optimize your comfort and efficiency.

**Simplified Two-Wire Connection** allows for easier installation while reducing the need for structural modifications.

**DuraTuff™ Rustproof Basepan** won't crack, corrode, rust or warp.

**Full-Sided Galvanized Steel Louvered Panels** protect internal components while preserving airflow efficiency.

**Powder-Paint Finish** is virtually indestructible for maximum protection against corrosion and rust.

**WeatherGuard™ Zinc-Coated Fasteners** for corrosion resistance and longer life because even minor details are what Trane reliability is all about.

All Trane TruComfort air conditioners and heat pumps have a 10 year registered limited warranty on the outdoor coil and all other internal functional parts and a 12 year registered limited warranty on the compressor.

Registered Limited Warranty terms are available when you register within 60 days of installation. You can register online at [Trane.com](http://Trane.com) or by phone at 800-554-6413, otherwise Trane's Base Limited Warranty terms will apply. Base Limited Warranty information on specific products can be found on [Trane.com](http://Trane.com). Ask your dealer for full warranty information at time of purchase. Warranties are for residential and multi-family use only, some exclusions may apply.

The XV20i heat pump shown is for illustration purposes only. Please note that features and components may vary by model. As part of our continuous product improvement, Trane reserves the right to change specifications and design without notice.



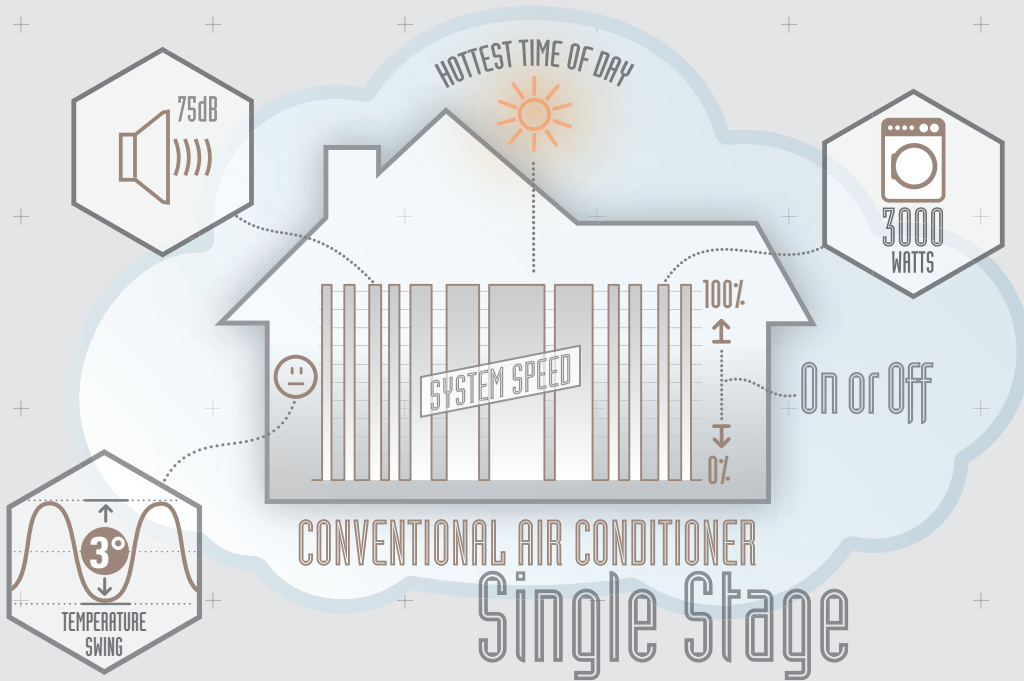
Trane TruComfort systems work seamlessly with the Nexia™ smart home system and Trane's Nexia-enabled controls, allowing you to manage your home's heating and cooling remotely via any web-enabled smartphone, tablet or computer. In addition to climate control, Nexia can be expanded to include remote management of locks, video surveillance, lights, shades, garage doors, energy usage, and more, from wherever life takes you.\*

See [www.nexiahome.com](http://www.nexiahome.com) for the latest information.



\*Subscription required with certain security features.

# Discover the many advantages of a Trane TruComfort™ Variable Speed System.



## On or Off again.

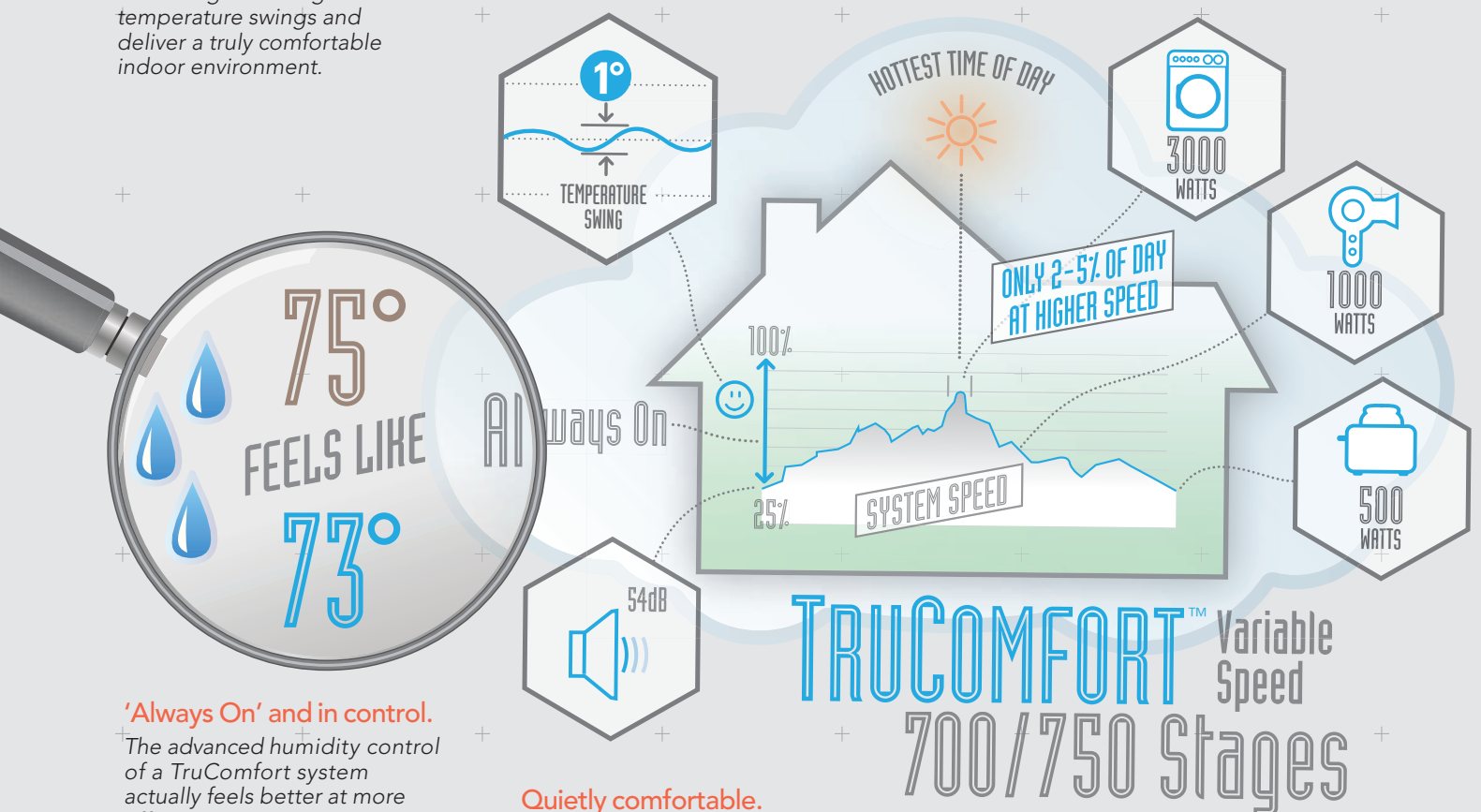
Conventional systems tend to leave gaps in comfort in-between cycles which is the most likely cause if you are feeling warm or cold at times during a typical day in your home.

## Leave the swings outside.

700/750 stages of cooling or heating avoid large temperature swings and deliver a truly comfortable indoor environment.

## Speed is not the only variable.

TruComfort only uses the power it needs, when it needs it.



## 'Always On' and in control.

The advanced humidity control of a TruComfort system actually feels better at more efficient temperature settings.

## Quietly comfortable.

At minimal sound levels for most of the day, it will even sound more comfortable.



*It's Hard To Stop A Trane.®*



**Cruise control for comfort.**

*Just like going up or down a hill in an automobile with the cruise control on, TruComfort automatically adjusts its speed and conserves fuel while maintaining the comfort you set.*

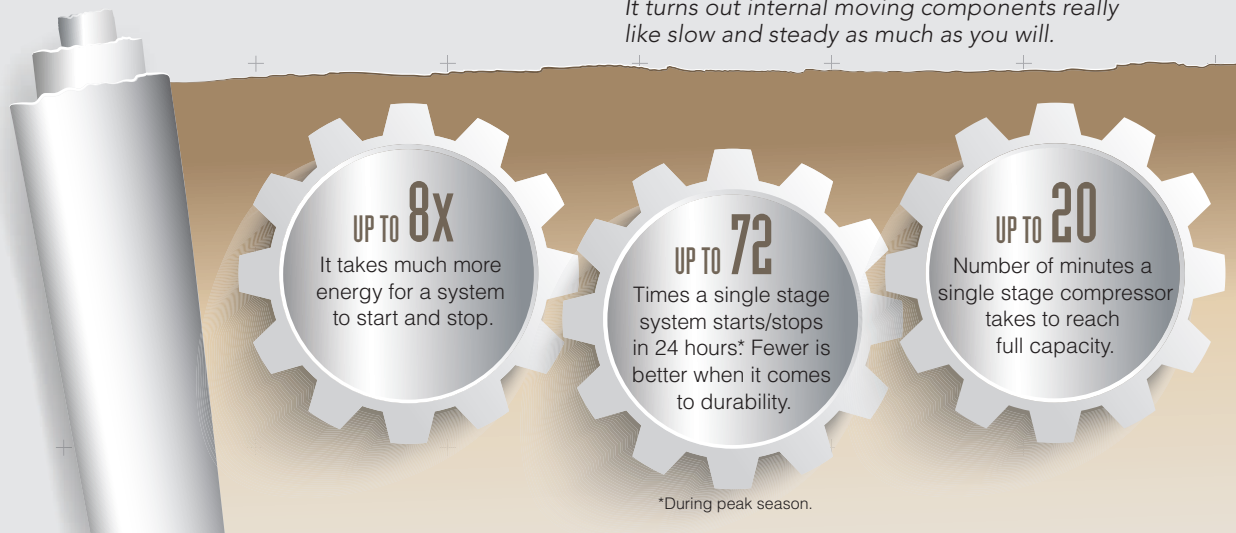


**Always just right.**

*No matter what Mother Nature throws your way or where you live, TruComfort gets your desired temperature just right.*

**'Always On' top of durability.**

*It turns out internal moving components really like slow and steady as much as you will.*



\*During peak season.



We Encourage Professionalism



Through Technician Certification by NATE



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 \$13 billion global business committed to a world of sustainable progress and enduring results.

