

READ ONLY



Trane EarthWise™ Geothermal Systems

Renewable energy keeps the comfort coming.



It's Hard To Stop A Trane.®





A new frontier of home comfort.

Trane has a tradition of quality lasting more than a century.



Trane Storefront
La Crosse, Wisconsin 1891

Courtesy of the La Crosse (Wisconsin)
Public Library Archives

Over a hundred years ago, 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.

In the years we've been in business, Trane has been driven by two factors. Your comfort, and your energy efficiency. Over the years, we've made impressive advancements in both fields that have elevated an entire industry. Now, with the introduction of Trane's line of EarthWise™ Geothermal Systems, we're exploring new horizons in efficiency and comfort and offering our customers more. Which is just what you'd expect from a leader.

There are a world of reasons a Trane EarthWise™ Geothermal System is right for you.

- Efficiency, because Trane EarthWise™ Geothermal Systems can return up to four dollars of heat for every one dollar of electricity used.
- Environmental friendliness, because Trane EarthWise™ Geothermal Systems use renewable heat from deep inside the earth, a virtually limitless supply of energy.
- Comfort, because Trane EarthWise™ Geothermal Systems provide consistent, even temperatures every day of the year.
- Reliability, because Trane EarthWise™ Geothermal Systems are built with quality materials and true craftsmanship, and backed with robust warranties.
- Flexibility, because three different configurations allow Trane EarthWise™ Geothermal Systems to adapt to any region, in any home.

READ ONLY



Geothermal makes sense.

The Environmental Protection Agency has recognized geothermal systems as one of the most efficient ways to heat and cool your home. Why is this important? You may not realize it, but well over 50 percent of your home energy bill goes towards heating and cooling. Which just goes to show that a geothermal system gives you a significant opportunity for savings. In fact, a typical geothermal system operates with such efficiency that it can return up to four dollars of heat for every dollar spent on electricity.

Geothermal systems can also be configured to reduce your need for energy to heat the water you use for bathing, laundry and washing dishes.



Because it uses the constant temperature of the earth, geothermal is a sustainable, renewable energy source that not only won't run out, it remains efficient year after year in every kind of weather.



EarthWise™ Geothermal Systems reduce noise pollution, too.

A Trane EarthWise™ Geothermal System can be one of the quietest home comfort solutions you can install. Low sound levels mean your home environment is not only more comfortable and efficient, but quieter as well.



Since a Trane EarthWise™ Geothermal System is so efficient, it can help lower your yearly energy use. And, therefore, your carbon footprint. You may even qualify for an energy tax credit.

READ ONLY

The tough, reliable technology behind sustainable comfort.

Features and components may vary by model and are shown for illustration purposes only. As part of our continuous product improvement, Trane reserves the right to change specifications and design without notice.



Packaged System
T2GX shown.

- 1 Compressor**
State-of-the-art technology provides world class efficiency and reliability. Specially designed vibration damping mounts deliver near silent operation.
- 2 Variable-Speed Blower**
Operates quietly and efficiently to deliver just the right amount of air to keep your home at the perfect temperature.
- 3 Coated Coil**
A large surface area provides exceptional efficiency and humidity control. Specially coated to prevent formicary corrosion, enhancing long life and reliability.
- 4 Controls**
Precision control of the system combined with on-board diagnostics ensures reliability and long-lasting comfort.
- 5 Hot Water Option**
Optional water heating collects and concentrates extra system heat, providing the hot water you need every day for bathing, dishes and laundry.
- 6 Drain Pan**
Tough, durable and specially designed to ward off corrosion and bacteria. Includes electronic overflow protection.
- 7 Cabinet**
Insulated for efficiency and quiet operation. Includes cleanable foil-backed insulation and an attractive outer surface that looks new for years.

A Trane EarthWise™ Geothermal System pays you back in many ways.

Not only will your Trane EarthWise™ Geothermal System increase the efficiency of your home heating and cooling every month, thereby lowering your energy costs, it can also qualify you for a 30% tax credit* through 2016.† Local incentives and rebates may be available as well. See your Trane dealer for details.



* Tax credit is subject to IRS regulations. Consult a tax professional for advice on tax preparation.

† Installation by a certified IGSHPA (International Ground Source Heat Pump Association) installer is required.

READ ONLY

Trane EarthWise™ Geothermal Systems can be configured in one of three ways.



Check with your dealer for availability.



Packaged systems.

These systems circulate fluid through the earth, and through a coil that absorbs or dissipates heat depending on the season.

T2GX / T1GX

Trane's most efficient packaged geothermal solution, offering up to 29.4 EER efficiency and available in single and two-stage. The variable speed blower motor offers up to 12 airflow selections, to keep your comfort even and efficient. Optional heating for your water supply is available.

T2GY

A rating of up to 23.7 EER and two-stage heating and cooling mean you'll enjoy incredible comfort and efficiency from a combination of forced air heating, forced air cooling, radiant heat and a dedicated hot water heater. Variable speed airflow offers 12 different settings, and optional additional heating for your water supply is available.

T1GC

This single-stage packaged system's EER of up to 18.5 means energy efficient comfort all year. Offers a single-speed blower with five airflow selections and optional heating for your water supply.

Split systems. COMING SOON.

These systems use a ground loop connected to a refrigerant loop to absorb or dissipate heat, working more like a traditional heating and cooling system with an air handler or furnace inside your home.

T2GE (outdoor)

With up to 25.3 EER, this system offers the comfort of two-stage heating and cooling. It can work in conjunction with an air handler, or with an indoor furnace to provide consistent temperatures from two different sources.

T2GN / T1GN (indoor)

These single or two-stage systems offer up to 26.2 EER, and the ability to work in conjunction with an air handler or furnace for enhanced indoor comfort.

Water heating and cooling systems.

These systems circulate the fluid through the earth, transferring heat to and from another fluid loop built into your home.

T1GW

Offers the efficiency of up to 17.5 EER and single-stage heating and cooling. Maintains comfortable temperatures through radiant heating and cooling, while providing hot water for daily use.

T2GW

Offers an efficiency of up to 22.5 EER along with the flexibility of two-stage water heating and cooling.

EER and Savings

The efficiency of any geothermal unit is measured by its EER, or Energy Efficiency Ratio. The higher the EER, the less energy your geothermal system uses to heat and cool your home, and the more you'll save every month.

Efficiency starts deep inside the earth.

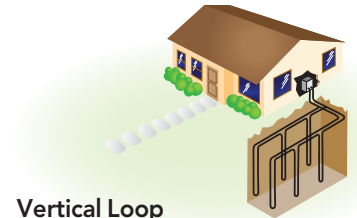
Geothermal explained.

Simply put, a geothermal system doesn't heat or cool your home by burning fossil fuels or using electricity in the ways you're used to. Instead, it uses electricity to access the near-constant temperatures found deep in the earth.

Geothermal works on a very simple principle: no matter what the air temperature is outside, under the surface of the earth, the temperature remains constant. Which means that during the summer, the earth is cooler than the outside air, and during the winter, the earth is warmer than the outside air.

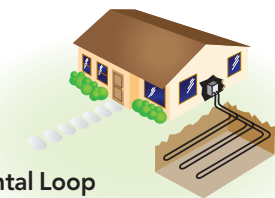
A geothermal system works like a heat pump, only on a much larger scale. In cold weather, your home is warmed by heat brought in from the earth. During warm weather, your home is cooled by the movement of heat from your home back into the earth.

There are four types of geothermal configurations available. Your Trane dealer will help determine which installation works best for your needs.



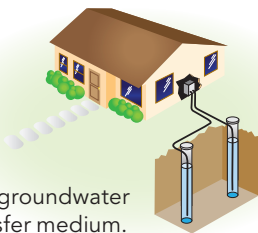
Vertical Loop

When space is limited, the heat transfer tubes are sunk straight down into the earth.



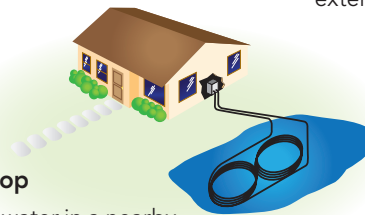
Horizontal Loop

When plenty of space is available, the heat transfer tubes are not as deep, and extend out rather than down.



Open Loop

Uses existing groundwater as a heat transfer medium.



Pond Loop

Uses the water in a nearby lake or pond to absorb or gather heat.

From daily heating to showers and dishes.

Depending upon how your system is configured, excess captured heat can be used to produce all the hot water you need throughout the day, for everything from showers to laundry and dishes. So in addition to more efficient heating and

cooling for your home, you'll also save the energy you'd normally use to power a water heater. It's just one more way a Trane EarthWise™ Geothermal System can help keep you comfortable and more energy efficient.





Innovative Trane thermostats enhance the control and comfort of your Trane EarthWise™ Geothermal System.



XL950



XL Series



XR Series

XL950 Series Premier 7-Day Programmable

Thermostat: This central planning center integrates technology and comfort into your personal lifestyle like nothing else. The XL950 features a high-definition color touchscreen, advanced scheduling, digital picture display capabilities, live weather forecasts, wireless connectivity, remote operation from a home computer and so much more.

XL 7-Day Programmable Thermostat: A bright, backlit display and interactive touchscreen make this control simple to use. Automatically changes over between heating and cooling. Programmable schedules help you use less energy when nobody is home. Some models include a humidity sensor to help monitor your comfort.

XR Digital Thermostat: Easy to use and easy to see, thanks to a backlit display and keys. Features an outdoor temperature sensor, automatic changeover between heating and cooling and an air filter change reminder for forced-air EarthWise™ Geothermal Systems.

READ ONLY



Ask your dealer how to get total control from anywhere.

For an entirely new level of control, the Trane ComfortLink™ Remote Thermostat and Schlage LiNK™ interface* allow you to monitor and adjust your home's temperature remotely with most web enabled cell phones or computers. With the Schlage LiNK™ system in place, you can

also control many aspects of your home, from door locks, lighting, appliances and home theater components. You can even monitor an optional live video feed. It's a whole new level of convenience, automation, and security available from your Trane dealer.

* Requires subscription; ask your dealer for details.



Take comfort in our warranties.

Your Trane EarthWise™ Geothermal System is all about comfort and peace of mind. So is the robust, no-nonsense limited warranty behind it. Every Trane EarthWise™ Geothermal System includes 10 years of protection on both parts and labor*. So the comfort keeps coming. Specific details are available from your Trane dealer.

*Labor subject to fixed rates set by manufacturer.

Independent Trane dealers value reliability as much as you do.



Your independent Trane dealer knows his or her reputation is made at every sale, and with every installation. Therefore, they are as personally invested in your comfort as you are, and take great pride in creating your perfect indoor environment.

Trane dealers are some of the most highly-trained in the business, with advanced technical skills to optimize every installation and solve any issue.

They have an extensive understanding of the movement and conditioning of air, and the expertise to create a perfectly balanced, ultra-efficient system for every home. Trane dealers believe in doing the job right, every time. Otherwise, they wouldn't be Trane dealers.



It's Hard To Stop A Trane.®

trane.com

P.O. Box 9010 • Tyler, TX 75711-9010

Ingersoll Rand Residential Solutions, a business comprised of well-known brands like Schlage and Trane, delivers safety, comfort and efficiency to homeowners throughout North America. Our quality products, services and solutions include mechanical and electronic locks, heating and air conditioning systems, indoor air quality solutions, advanced controls, portable security systems and remote home management. For more information on these and other residential solutions please visit www.ingersollrand.com, www.schlage.com, or www.trane.com.