



# LEGEND

GEOTHERMAL COMFORT SYSTEMS  
FORCED AIR HEATING & COOLING



**WaterFurnace**  
Smarter from the Ground Up™



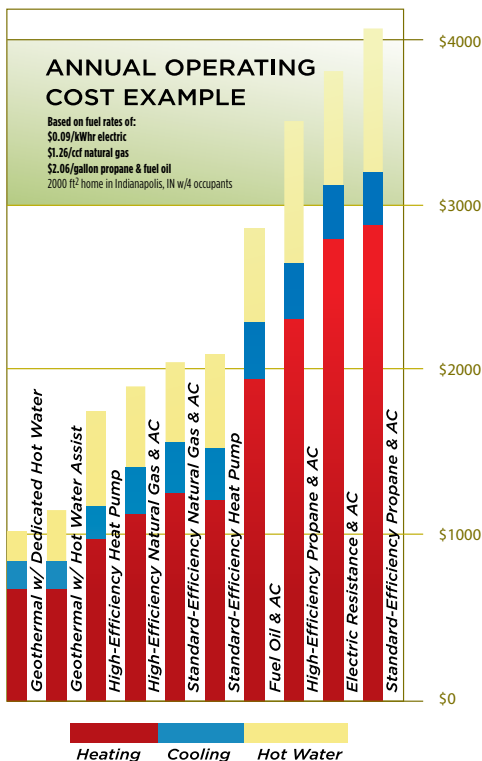


## SMARTER FROM THE GROUND UP

WaterFurnace systems use the Earth's ability to store heat energy as the source for high efficiency heating and cooling. Using advanced technology, WaterFurnace systems tap into that stored energy to provide comfort for your home year round. Heat energy is collected and transferred to the ground and back through an earth loop—an underground piping system. You'll save money, experience amazing comfort, and enjoy safe, quiet operation with a system that's environmentally friendly. That's why it's "Smarter from the Ground Up".

### A NEW STANDARD IN PERFORMANCE

The Legend Series can lower annual heating and cooling costs by as much as 60%. Ordinary systems operate at a fraction of the efficiency of the Legend Series. And with the constantly rising costs of fossil fuels, savings potential will only increase. The graph below illustrates comparisons of various systems.

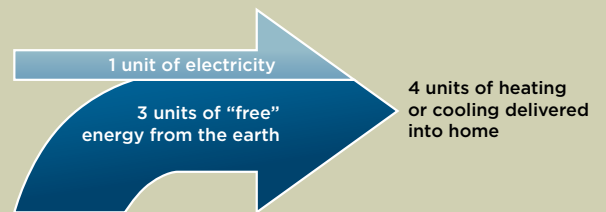


## GEOHERMAL BENEFITS

### ENERGY EFFICIENT:

Our Legend Series units are some of the most efficient heating and cooling systems available.

They can deliver up to four dollars of heat for every dollar of electrical energy used. That translates into an efficiency rating of 400 percent, compared to the best ordinary furnace that delivers less than 98 cents of energy for every dollar spent on expensive fossil fuels.



### COST EFFECTIVE:

Because of the extraordinary efficiency of a WaterFurnace system, any added investment related to installing a geothermal unit is usually more than offset by your energy savings. In new homes, most homeowners will experience an immediate positive return on their investment when the system cost is added to the mortgage. In replacement installations, homeowners find that any added expense over the cost of an ordinary system is generally recovered in energy savings in just a few years.

### COMFORTABLE:

Capturing the relatively stable temperature of the Earth to heat and cool your home, WaterFurnace systems provide consistent, comfortable heating and cooling. You can even regulate temperatures in different areas of your home with an optional zone control system.

### RELIABLE:

The WaterFurnace reputation for reliability has been earned by using only the highest-quality components, design and workmanship.

### PEACE OF MIND:

WaterFurnace units are backed by the best warranties in the industry. Your geothermal unit will provide many years of dependable operation.

### QUIET:

WaterFurnace systems don't require noisy outdoor units that create unsightly additions to your home's appearance.

### SAFE:

Because natural gas, propane or oil is not required to operate a WaterFurnace unit, there's no combustion, flames or fumes and no chance of carbon-monoxide poisoning.

### FLEXIBLE:

One compact WaterFurnace unit provides heating, central air conditioning and supplemental domestic hot water. A variety of configurations are available to fit any home, whether it's a newly constructed or an existing home. No matter what climate you live in, your WaterFurnace system will deliver.

### ENVIRONMENTALLY FRIENDLY:

Installing a WaterFurnace system is the environmental equivalent of planting 750 trees or removing two cars from the road. Because a WaterFurnace system doesn't burn fossil fuels, no emissions or harmful greenhouse gases are released into the air.

## LEGEND SERIES BENEFITS

More than 25 years of research, engineering advancements and manufacturing experience have come together to create our Legend Series. WaterFurnace Legend Series units benefit from the technology we've refined through four generations of products and offer it at a great price. The Legend Series represents some of the highest efficiency units available and is a great choice for years of reliable energy savings and comfort.

*Enjoy dramatically lower bills, increased comfort and more importantly, a smaller impact on the environment. Because Legend is about what you leave behind.*



## THE LEGEND SERIES DESIGN:

- 1 **BLOWER MOTOR:** A variable speed X13 ECM blower motor with 5 airflow selections allows the unit to provide precisely controlled comfort, quiet operation and energy savings. A PSC blower motor is also available.
- 2 **CABINET:** The cabinet comes with a durable silver metallic finish for long lasting beauty and protection. Legend units are fully insulated for quiet operation and come with cleanable, foil backed insulation.
- 3 **COATED AIR COIL:** Our exclusive FormiShield™ Plus coating on the air coil resists corrosion and increases equipment life. Its large size improves efficiency and dehumidification.
- 4 **INSULATED COAXIAL HEAT EXCHANGER:** Our exclusive ThermaShield™ Plus foam insulation takes the place of traditional taping and increases both the efficiency and consistency of our heat exchangers. Robotic application ensures an even, airtight seal, while the WaterFurnace name ensures it's environmentally safe.
- 5 **DRAIN PAN:** Electronic overflow protection is included to eliminate the possibility of condensate flooding. The drain pan is also corrosion-proof and resists bacterial growth.
- 6 **HOT WATER ASSIST:** With an optional hot water generator, the Legend preheats your water and delivers it to your water heater. In heating mode, water is heated at the efficiency of the unit. In cooling, the heat from your home is transferred to your water heater instead of the ground, and hot water is free!
- 7 **COMPRESSOR:** Scroll compressors are featured in all Legend products for efficiency and reliability. Compressors are mounted on double-isolation plates for extremely quiet operation.
- 8 **CONTROLS:** A microprocessor continuously sequences all components to ensure maximum performance. Onboard diagnostics allow for easy service. Controls communicate with the thermostat to display service messages.
- 9 **LED STATUS LIGHTS:** Externally mounted status lights indicate normal operation or display faults and assist the technician in troubleshooting.

**FACTORY QUALITY:** WaterFurnace systems are the result of state-of-the-art research and development. Quality checks are performed throughout the assembly process, while computer-run testing ensures flawless start-up and long-term reliability.

**R-410A:** R-410A is an environmentally friendly, non-ozone-depleting refrigerant that enhances efficiency and savings. That's why our entire product offering uses R-410A.

**ENERGY STAR RATED/AHRI CERTIFIED/ETL LISTED:** WaterFurnace Legend Series units are performance-certified by the AHRI, safety listed by ETL and exceed performance standards for the ENERGY STAR rating when equipped with the X13 ECM motor.



Legend

	COOLING	HEATING
Legend	15.2 - 18.5 EER	3.3 - 3.8 COP

Based upon Certified AHRI/ISO 13256-1 Ground Loop Performance



QUALIFIES ✓  
**30% TAX CREDIT**

## GEOTHERMAL LOOP TYPES

WaterFurnace dealers are trained to determine the best type of earth loop to use in any situation. The type of loop used is based on available land space and installation costs for specific areas.



### VERTICAL LOOP

Vertical loops are used when space is limited. Holes are bored using a drilling rig, and a pair of pipes with special u-bend fittings is inserted into the holes. A typical home requires three to five bores with about a 15-foot separation between the holes.



### HORIZONTAL LOOP

Used where adequate land is available, horizontal loops involve one or more trenches that are dug using a backhoe or chain trencher. Polyethylene pipes are inserted, and the trenches are backfilled. A typical home requires 1/4 to 3/4 of an acre for the trenches.



### POND LOOP

If an adequately sized body of water is close to your home, a pond loop can be installed. A series of coiled, closed loops are sunk to the bottom of the body of water. A 1/2 acre, 8-foot-deep pond is usually sufficient for the average home.



### OPEN LOOP

An open loop is used where there is an abundant supply of quality well water. The well must have enough capacity to provide adequate flow for both domestic use and the WaterFurnace unit. Envision units require 3 - 10 GPM, depending on size.

## ACCESSORIES

WaterFurnace offers several innovative options and accessories to get even more out of your system. These features can increase your system's value, simplify its operation and improve its efficiency.



### INTELLIZONE™

With IntelliZone technology, you can independently control the temperature in up to four zones throughout your home. Zoning precisely controls comfort in each room while lowering your energy bills.



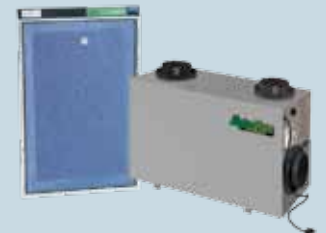
### THERMOSTATS

A variety of digital thermostats are available to ensure accurate control of your system's operation, maintaining precise comfort levels throughout your home.



### DEDICATED HOT WATER

For large demands of hot water, an NSW unit can be added to your Envision Series system to provide 100% of the domestic hot water - at three to four times the efficiency of an ordinary water heater.



### IAQ PRODUCTS

Improve your indoor air quality by adding a Heat Recovery Ventilator to remove stale air from the home. Also available are several high efficiency filters to remove dust, smoke, odors, bacteria, allergens and pollen.

## WATERFURNACE— THE SMART DECISION

WaterFurnace is dedicated to providing you with safe, reliable and energy-efficient heating and cooling systems that save you money while helping protect our environment. Our engineers and technicians work to create and build quality geothermal products that are extensively tested to ensure the highest quality. An industry leader and an innovator in geothermal technology—WaterFurnace. *Smarter from the Ground Up.*



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waterfurnace.com | (800) GEO-SAVE