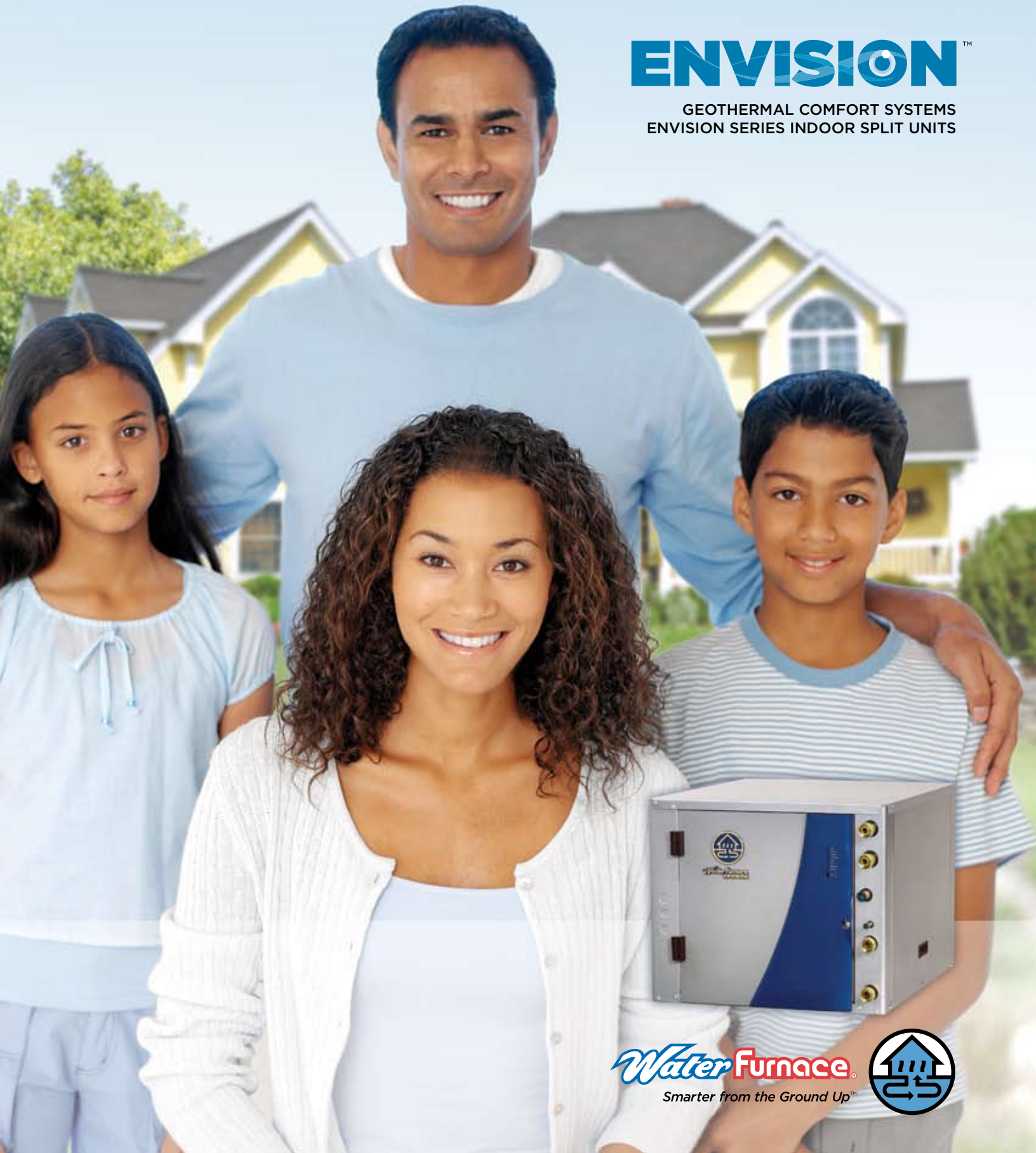


# ENVISION™

GEOTHERMAL COMFORT SYSTEMS  
ENVISION SERIES INDOOR SPLIT UNITS



**WaterFurnace**

Smarter from the Ground Up™



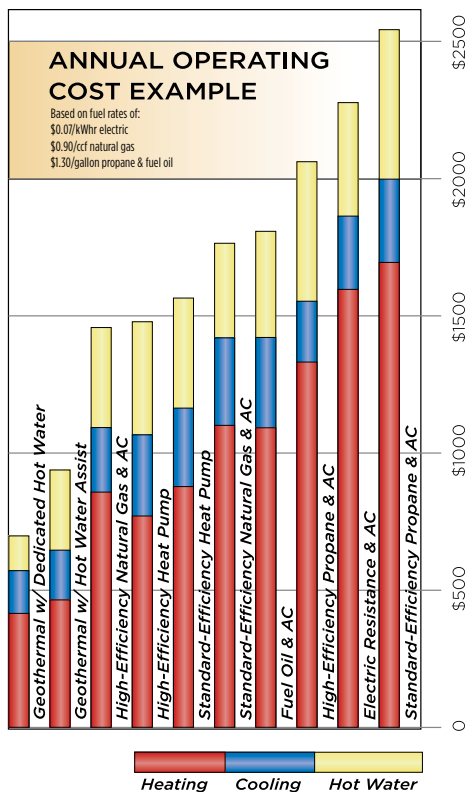


## SMARTER FROM THE GROUND UP

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

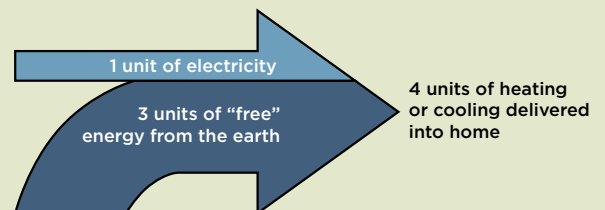
The Envision series takes heating and cooling efficiency to a new standard. Compared to ordinary furnaces and air conditioners, Envision can provide you with energy savings of up to 60%. Coupled with today's best thermostats and an integrated monitoring system, the Envision will provide the finest in comfort and reliability. Best of all, this smart technology uses the earth as a free energy source.



### GEOHERMAL BENEFITS

#### ENERGY EFFICIENT:

WaterFurnace Envision systems are simply the most efficient heating and cooling systems available. They can deliver an astounding four dollars of energy for every dollar of electrical energy used. That translates into an efficiency rating of 400 percent, compared to the most efficient gas furnace, which rates only 94 percent.



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#### 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 investment over the cost of an ordinary system is generally recovered in energy savings in less than five years.

#### COMFORTABLE:

WaterFurnace systems provide consistent, comfortable heating and cooling. You can even regulate independent 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.

#### CLEAN:

High-efficiency air cleaners found in WaterFurnace systems keep your indoor air quality clean, removing dust and pollen so you can breathe easier.

#### ENVIRONMENTALLY FRIENDLY:

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

## THE ENVISION SERIES TECHNOLOGY

WaterFurnace Envision products feature advanced technology and innovative components to achieve the highest levels of performance and peace of mind. Environmentally safe R-410A refrigerant is used in all units. Envision products also include Copeland Scroll™ compressors in either single speed or dual capacity models. Dual capacity operation provides you with the finest in comfort and energy savings. With sophisticated and robust microprocessor controls, compressor monitoring and today's best digital thermostats, the Envision series sets the new industry benchmark.



## THE ENVISION SERIES DESIGN:

**CABINET:** The cabinet is made of heavy-gauge galvanized sheet metal finished with a durable silver metallic finish for long lasting beauty and protection. It is fully insulated for quiet operation. New exterior design elements put the unit in the same class as today's stylish high-end appliances.

**HOT WATER ASSIST:** The Envision provides additional savings by preheating the water delivered to your water heater

**COMPRESSOR:** Copeland Scroll™ compressors are featured in all Envision products because of their superb efficiency and reliability. Dual capacity units include Scroll UltraTech™ compressors mounted on double-isolation plates for extra quiet operation.

**CONTROLS:** Sophisticated microprocessor control sequences components to provide ultimate performance. Onboard diagnostics allow for easy service. Controls communicate with thermostat to display service messages. ComfortAlert module monitors operation for added reliability.

**LED STATUS LIGHTS:** Externally mounted status lights indicate normal operation or display problems to assist the technician in troubleshooting.

**R-410A:** R-410A is an environmentally friendly, non-ozone-depleting refrigerant that enhances efficiency and savings.

### ARI CERTIFIED/ETL LISTED/ENERGY STAR RATED:

WaterFurnace Envision Series Units are performance-certified by the Air Conditioning and Refrigeration Institute, safety listed by ETL and exceed performance standards for the ENERGY STAR rating.

Model & Size	Comp. Mode	Closed Loop		Open Loop			
		Cooling EER	Heating COP	Cooling EER	Heating COP		
Dual Capacity	026	High	18.2	4.0	23.9	4.9	
		Low	25.4	4.4	29.3	5.1	
	038	High	17.1	3.9	22.0	4.4	
		Low	26.2	4.4	30.9	4.9	
	049	High	17.7	4.0	22.4	4.6	
		Low	24.5	4.3	29.2	5.0	
	064	High	15.6	3.6	19.7	4.1	
		Low	22.8	3.9	26.5	4.5	
	072	High	15.2	3.5	18.4	4.0	
		Low	21.5	3.9	23.9	4.3	
	Single Speed	022	On	21.7	3.9	31.6	5.3
		030	On	20.9	3.8	29.0	4.9
		036	On	20.9	4.0	28.5	5.1
		042	On	20.9	4.0	29.4	5.0
048		On	19.2	3.9	25.3	4.6	
060		On	18.1	3.6	23.1	4.3	
070		On	15.4	3.3	20.8	3.9	



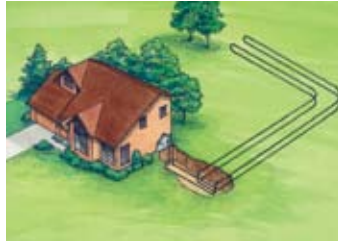
## GEOTHERMAL LOOP TYPES

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 are 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 closed loops can be coiled and sunk to the bottom. 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.



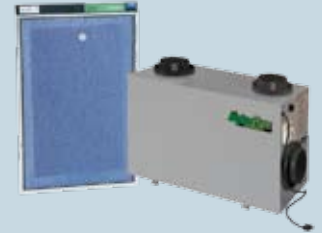
### THERMOSTATS

A variety of digital and programmable 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 EW 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 options of 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

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