GUIDE
GEOTHERMAL SERIES

Guide Variable-Speed Water-to-Water

Geothermal Heat Pump

U.S. tax credit 30%

Other state or provincial credits may apply.

Previously, heating and cooling systems were designed for the hottest or coldest hours of the year; but not anymore. GeoComfort's variable-speed water-to-water geothermal heat pump adjusts to the ever-changing outdoor temperatures every minute of the day. Similar to the way your car's engine adjusts to your selected speed on cruise control, our variable-speed water-to-water slows down or accelerates to precisely match your comfort settings, regardless of the outdoor environment. The continuing acceleration and deceleration reduces power consumption to constantly save energy. This is different than a conventional system, which wastes energy by starting and stopping repeatedly.

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Peace of Mind Features

Our variable-speed water-to-water's design includes qualities, like **GeoComfort's exclusive UL GREENGUARD Gold certified cabinet insulation**, that make this system incredibly quiet

Our warranty includes 10 years on all parts and select accessories (the tank comes with a manufacturers warranty, currently up to 15 years on parts) with ten-year labor allowance (registration required)

Built-to-last 18-gauge, painted, galvanized steel cabinets

Meets quality management and safety accreditations: AHRI Certified to ISO Standards and ETL Certified to UL & CSA standards

This system is **reliable and low-maintenance**; we do recommend a preventative maintenance plan with your installer and the air filter should be changed regularly.

Cost-Saving, Energy-Efficient Features

An **outdoor ambient sensor** provides temperature feedback, enabling the system to use the lowest possible water temperatures; this eliminates temperature swings and increases your home comfort

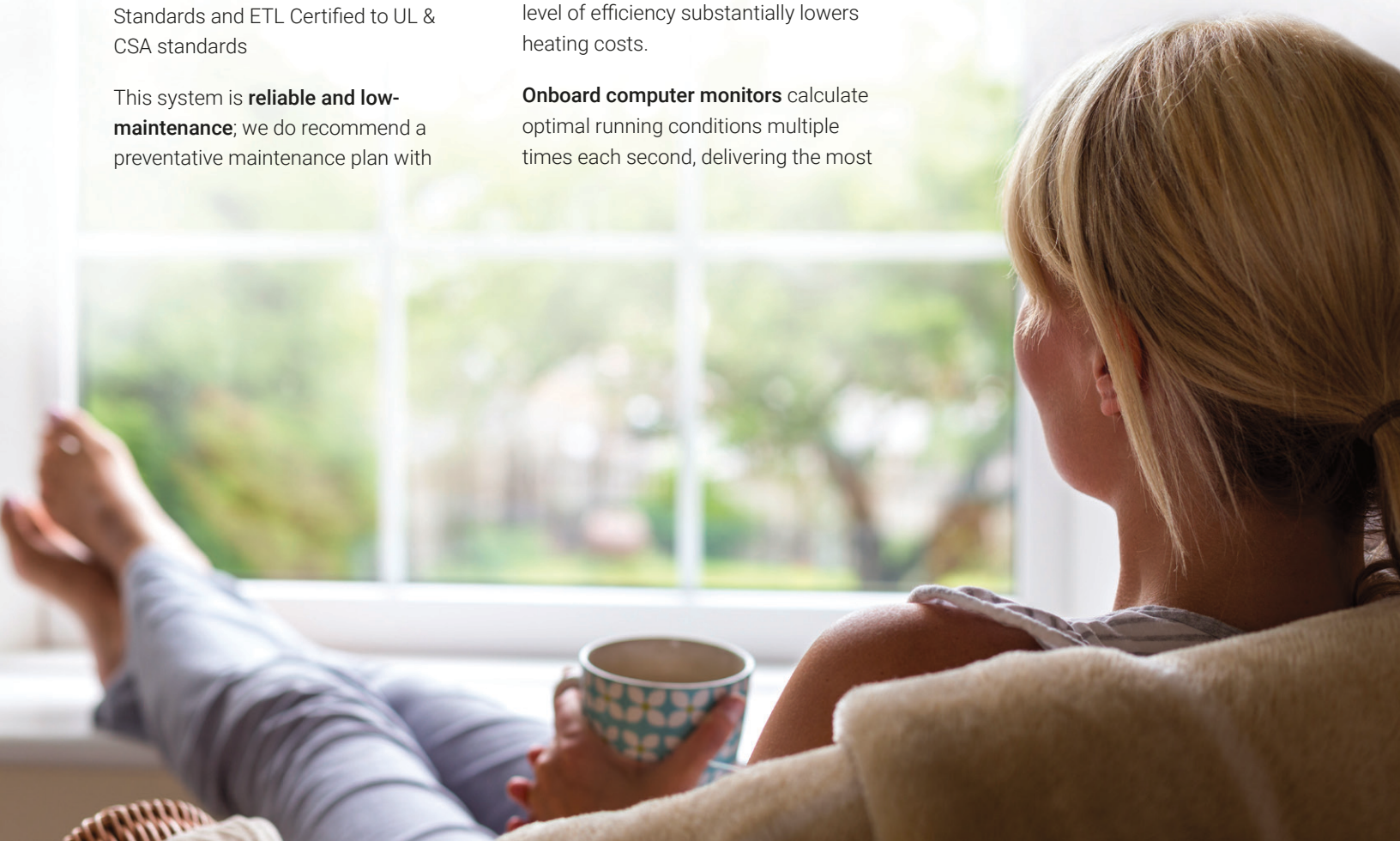
Utilizing the lowest possible water temperatures makes the variable-speed water-to-water more efficient, which drastically reduces energy bills. **Homeowners using this system have found their homes to be approximately 400 percent more efficient compared to a standard electric heater**; this level of efficiency substantially lowers heating costs.

Onboard computer monitors calculate optimal running conditions multiple times each second, delivering the most efficient, comfortable heating and cooling

The variable-speed water-to-water will **produce most, or all, of the household domestic hot water**, which means less equipment is needed in your home

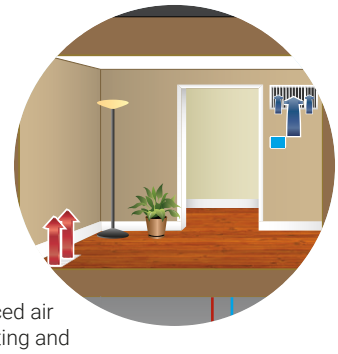
The variable-speed water-to-water **meets ENERGY STAR® requirements** for efficiency, qualifying it for the United States 30% federal tax credit and other state incentives, or in Canada, provincial incentives.

This system is reversible and capable of providing chilled water for air conditioning

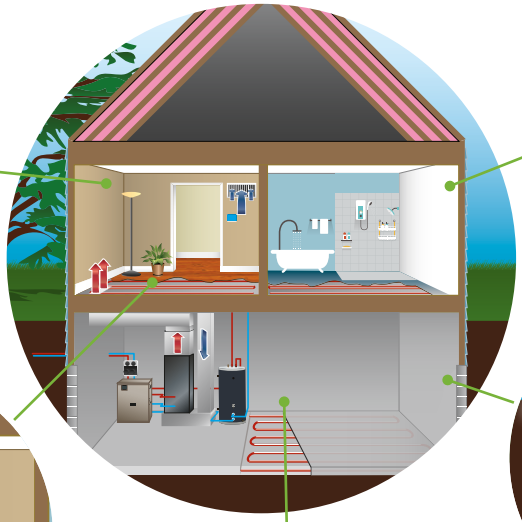


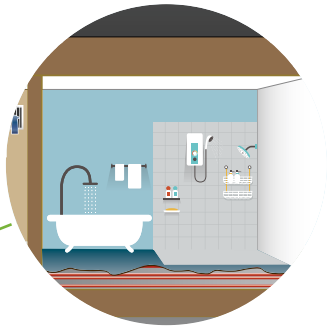
Our variable-speed water-to-water does it all.

Variable-speed technology can cut your heating and cooling bill by over 30 percent when compared to a standard geothermal system, which means up to an 80 percent savings over conventional HVAC systems.

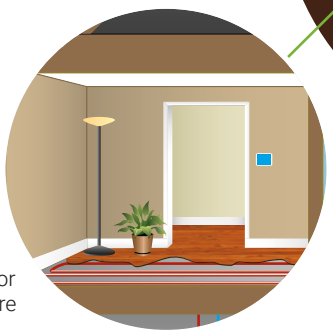


Forced air heating and cooling

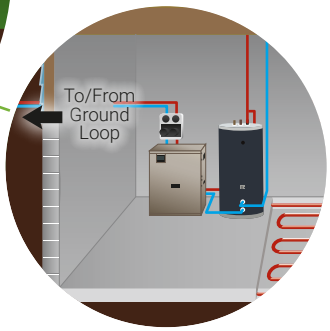




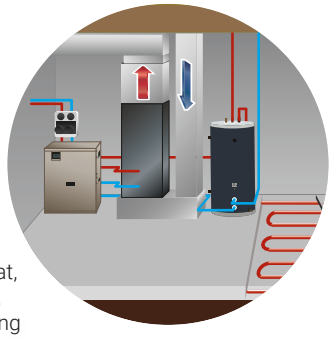
Hot water, replacing a standard hot water heater as well as radiant in-floor heat.



Radiant in-floor heat for a more comfortable home.



This configuration allows for radiant heat and domestic hot water, eliminating the need for additional equipment required with a standard water heating system.



This configuraiton provides radiant heat, domestic hot water, and forced air heating and cooling.

Unit Ground Loop Performance

Model	Capacity	Cooling		Heating	
		BTU/H	EER	BTU/H	COP
WV060	Full Load	43,000	18.4	54,600	3.0
	Part Load	21,600	25.4	27,000	3.9

Note:
Rated in accordance with ISO Standard 13256-2 which includes Pump Penalties • Heating capacities based on 32°F EST & 104°F ELT • Cooling capacities based on 77°F EST & 53.6°F ELT • Published ratings are based off of a Full Load Cooling RPM of 3750, a Part Load Cooling RPM of 1800, a Full Load Heating RPM of 6000, and a Part Load Heating RPM of 2600.

Product specifications reflect available information at time of printing. Design, general information, and specifications within this brochure may change without notice. For the most up-to-date information, visit our website geocomfort.com.

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GeoComfort geothermal systems are manufactured by Enertech Global and proudly built in the Heart of America – Mitchell, South Dakota. Enertech Global systems are built with stringent quality control standards and the most comprehensive testing within the geothermal heating and cooling industry.

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