







WS

Single-Stage Water-to-Water GEOTHERMAL SYSTEM



-  Radiant in-floor heating
-  Domestic hot water assist
-  Pool heating
-  Forced-air heating and cooling

Enertech's single-stage water-to-water models deliver maximum efficiency and maximum comfort in a compact package. Plus, they're built to the high standards of quality and craftsmanship for which Enertech is known. It is the ultimate solution for increased efficiency, reduced heating and cooling costs, unsurpassed comfort and exceptional reliability.





Revolutionizing the way you think about heating & cooling.



Single-Stage Water-to-Water System

The WS series water-to-water geothermal heating and cooling system is able to deliver hydronic heat through radiant floor or forced-air systems. Radiant floor systems deliver heating from the floor up, delivering a consistent room temperature with no blowing air. This option eliminates the less comfortable aspects of forced air systems. This system can also effectively be used to assist with domestic water heating, pool conditioning, as well as ice and snow melt.

Capacity and Efficiency Ratings (GROUND LOOP HEAT PUMP)

| Model | Compressor | Capacity | Cooling | | Heating | |
|-------|------------|-----------|---------|------|---------|-----|
| | | | BTU/H | EER | BTU/H | COP |
| WS036 | Single | Full Load | 34,900 | 17.7 | 31,000 | 3.3 |
| WS048 | Single | Full Load | 50,500 | 17.3 | 45,200 | 3.2 |
| WS060 | Single | Full Load | 63,300 | 16.9 | 53,800 | 3.2 |
| WS072 | Single | Full Load | 70,700 | 16.4 | 60,100 | 3.3 |
| WS084 | Single | Full Load | 70,700 | 16.4 | 60,100 | 3.2 |

Notes:

For the source water loop, open loop models use 1" fittings
 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.
 Entering load temperature over 120°F heating and under 45°F Cooling is not permissible.
 Floor heating is most generally designed for 85°F entering load temperature.

WS072 and WS084 units are shipped with a factory-provided mitigation kit for field installation to provide a **Refrigerant Detection System (RDS)** — ensuring compliance with A2L refrigerant safety standards.

WARRANTY OPTIONS

Enertech offers the best geothermal warranty options – pure and simple. Extended coverage is available with the Option 18 Warranty, which covers a one-time replacement for the compressor up to 18 years. Ask your Enertech installer for more details and options or visit enertechusa.com.



PEACE AND COMFORT

Closed-cell foam insulation is used throughout the cabinet to enhance the

already quiet operation of an Enertech geothermal system and improve air quality.

SAFE AND SECURE

Enertech geothermal systems burn no fossil fuels, so there is no combustion, flames, fumes or risk of carbon monoxide poisoning.

OPERATIONAL COST SAVINGS

By using the free energy stored in the ground, Enertech geothermal systems are up to 500% efficient, saving you up to 70% on heating and cooling costs versus conventional systems.

ENVIRONMENTALLY FRIENDLY

This system does not release environmentally harmful emissions, reducing your carbon footprint. In fact, geothermal systems are recognized by the U.S. EPA and Natural Resources Canada as the most energy efficient heating and cooling systems available.

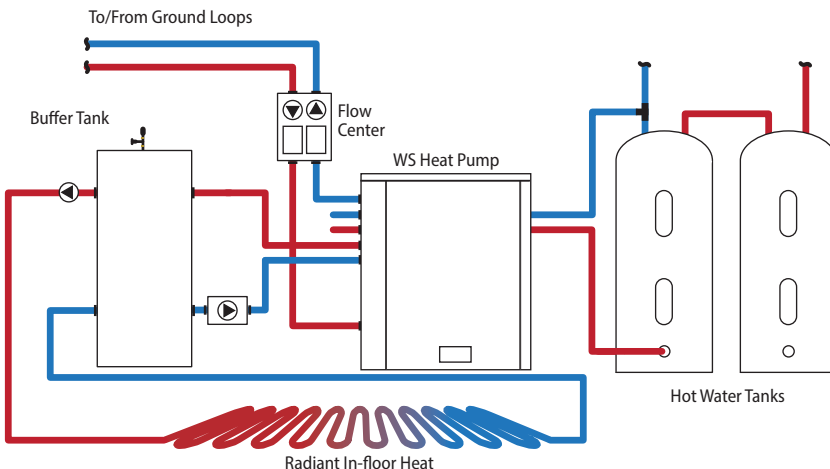
FREE HOT WATER

Hot water assist is standard with all Enertech residential units. This allows the capture of free, unused heat, typically cutting hot water costs by 25-40%.



In addition to the many benefits of geothermal, a wide range of financial incentives are available across the United States and Canada. Many state and provincial entities, local municipalities, and utilities support the installation of geothermal systems by offering rebates and other financial incentives.

USA: dsireusa.org | Canada: nrcan.gc.ca



Heating and Cooling Cycles

During the heating cycle, the fluid circulates through the loop extracting heat from the ground. The heat energy is transferred to the geothermal unit. The unit compresses the extracted heat to a high temperature and delivers it to your home through a radiant heat system or by a duct system when paired with an air handler.

For cooling, the process is simply reversed. Because the earth is much cooler than the air temperatures on a hot day, the geothermal system removes heat from the home and deposits it into the ground. The fluid is cooled by the ground temperatures and returned to the unit for cooling your home.



See our full line of residential and commercial geothermal products at enertechusa.com



Enertech Global geothermal systems are proudly built in the Heart of America – Mitchell, SD, and Greenville, IL. Our systems are built with stringent quality control standards and the most comprehensive testing within the geothermal heating and cooling industry.



Enertech Global is continually working to improve its products. As a result, the design, specifications, and general information of each product may change without notice and may not be as described herein. For the most up-to-date information, please visit our website, or contact our Customer Relations department at customerrelations@enertechusa.com. Statements and other information contained herein are not express warranties and do not form the basis of any bargain between the parties, but are merely Enertech Global's opinion or commendation of its products.