



# SINGLE-STAGE WATER-TO- WATER SYSTEM

## Comfort *and* Efficiency – Now You Can Have Both

Imagine walking through your home with warm feet on the coldest days. It's not a dream; it's the TETCO ES4-WS series geothermal system. Let the power of radiant heat warm your feet – and your home. Water-to-water systems circulate warm water through tubes installed under the floor, heating the room from the ground up.

TETCO hydronic systems are also capable of providing domestic hot water, pool and spa heat, and can even melt snow from driveways and sidewalks. When paired with a fan coil, water-to-water systems can heat and cool with forced air, as well. That's maximum versatility, efficiency, and comfort all rolled into one.

Superior comfort, phenomenal savings and environmentally friendly - now you can have it all.

Superior comfort, phenomenal savings, and environmentally friendly – now you can have it all. After all, the U.S. EPA and Natural Resources Canada both recognize geothermal systems as the most environmentally friendly and energy efficient heating and cooling systems on the market today. You'll save money and the planet at the same time, all without sacrificing comfort.

Bring the comfort of the earth into your home with a TETCO Geothermal System, and discover why it's simply the best heating and cooling system you'll ever have.



**Rebates and Incentives**  
The system qualifies for the United States federal tax credit and other state incentives, or in Canada, provincial incentives.



## Unit Features

Engineered to heat water for radiant floors, and it's reversible to provide chilled water for air conditioning. TETCO also offers a selection of hydronic fan coils that are a perfect match for each unit size and application.

Meets ENERGY STAR® requirements for efficiency, qualifying it for the United States federal tax credit and other state incentives, or in Canada, provincial incentives.



TETCO uses Copeland® scroll compressors. This proven compressor technology ensures better reliability due to fewer moving parts.

Insulated cabinet panels combined with compressor isolation provide superior sound/vibration absorption.

Factory installed hot water assist allows the capture of free unused heat, which is then used to heat domestic water. This application can cut hot water costs by up to 40%.

Digital controls ensure proper operation, providing a variety of field selectable settings for each installation. Advanced safety controls help protect the equipment.

TETCO has you covered with a full range of warranty options to protect your investment. Talk to your dealer for more details.



## Unit Performance

Model	Capacity	Cooling		Heating	
		BTU/hr	EER	BTU/hr	COP
Single Compressor Water-to-Water Models					
TWS036	Full Load	36,100	17.3	31,600	3.1
TWS048	Full Load	49,400	16.6	45,700	3.2
TWS060	Full Load	58,100	16.6	53,700	3.2
TWS072	Full Load	72,500	16.7	62,800	3.1
TWS084	Full Load	84,300	16.1	70,100	3.1

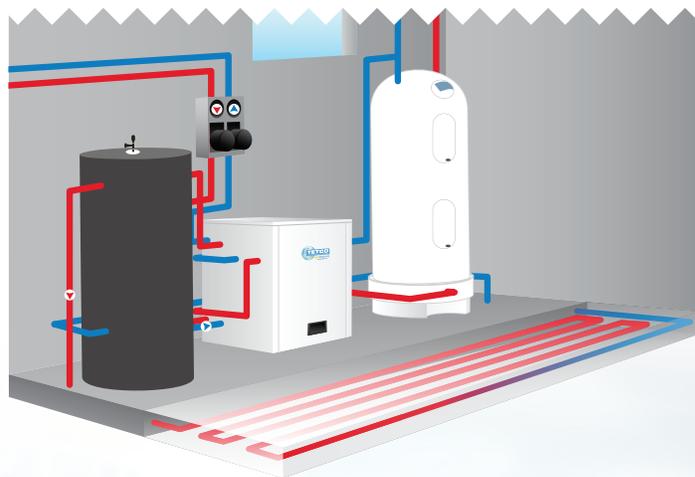
**Notes:**  
 Rated in accordance with ISO Standard 13256-2 which includes Pump Penalties.  
 Heating capacities based on 32°F EST & 104°F ELT.  
 Cooling capacities based on 77°F EST & 53.6°F ELT.  
 Entering load temperature over 120°F heating and under 45°F Cooling is not permissible.  
 Floor heating is most generally designed for 85°F entering load temperature.



## How the Process Works

In **heating** mode, the system circulates fluid in the loop system, extracting heat from the ground. Heat is transferred to the geothermal unit where it is compressed to a high temperature then delivered through the home by a system of ductwork (forced air) or a radiant heat system (hydronic).

For **cooling**, the process is simply reversed. Utilizing the cooler temperature of the earth as opposed to the warm air above ground, the TETCO geothermal system takes the heat from the home and transfers it into the ground via the loop system.



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