



## TWO-STAGE OUTDOOR SPLIT SYSTEM

### Back to Mother Nature

Even when mechanical space is limited, you can always manage to install a TETCO Geothermal System— Especially when you move it outside! Our ES4-R Outdoor Split is the newest member of the TETCO family, and it's perfect for both new installations and replacement upgrades. Its pioneering design moves the unit outside the home, making it even easier to add a geothermal system to an existing home. It's the perfect way to be environmentally conscious without sacrificing valuable living space.

It's everything you want, in a convenient, outdoor design. In fact, you *can* have it all with this TETCO unit – energy

savings, superior comfort, and the cleanest, quietest system on the market today. In fact 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. And that means 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 install.



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



**Mother Nature** meets Human Nature



## Unit Features

Two-stage Copeland® UltraTech® compressor offers superior part-load performance, providing better humidity control, greater efficiency and quieter operation.

Optional connections for remote-mount desuperheater (hot water generator), which captures unused heat for heating domestic water. This application can cut hot water costs by up to 50%.

UV protected, powder coated steel cabinet stands up against harsh outdoor weather and protects internal components.

Meets ENERGY STAR® requirements.



High efficiency TETCO geothermal systems qualify for many state/provincial and utility rebates.

Built-in freeze protection helps prevent failure of the outdoor unit due to extreme cold.

Convenient side-mount flow center configuration allows for versatile unit placement options, which makes installation easier.

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

Back-seated service valves with service ports ease unit installation, charging and maintenance.



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  |
| TRT024 | Full Load | 25,800  | 16.90 | 18,700  | 3.60 |
|        | Part Load | 20,700  | 22.50 | 15,600  | 3.90 |
| TRT036 | Full Load | 37,500  | 18.50 | 28,300  | 4.10 |
|        | Part Load | 29,700  | 27.20 | 22,500  | 4.60 |
| TRT048 | Full Load | 49,800  | 17.90 | 38,500  | 3.70 |
|        | Part Load | 38,800  | 25.00 | 30,800  | 4.30 |
| TRT060 | Full Load | 60,500  | 17.40 | 46,200  | 3.60 |
|        | Part Load | 47,700  | 24.30 | 36,200  | 4.10 |

**Notes:**  
 Rated in accordance with ISO Standard 13256-1, which includes pump penalties.  
 Heating capacities based on 68.0°F DB, 59.0°F WB entering air temperature.  
 Cooling capacities based on 80.6°F DB, 66.2°F WB entering air temperature.  
 Entering water temperatures Full Load: 32°F heating/77°F cooling.  
 Entering water temperatures Part Load: 41°F heating/68°F cooling.



## 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.

