



TWO-STAGE VERTICAL PACKAGED SYSTEM

To the power of comfort. To the power of savings.

What happens when you take dependability and innovation and make it exponentially better? You get the all-new TETCO ES⁵ series Vertical Packaged unit, a world-class geothermal system that provides the ultimate in comfort, savings and satisfaction. ES⁵ models take advantage of the most innovative ideas, resulting in a product that has superior reliability, whisper-quiet operation and among the highest efficiencies available. But the advantages don't stop there!

In fact, keeping your budget in check is one more benefit Mother Nature had in mind with a TETCO Geothermal System. 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. 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 a heating and cooling solution that is exponentially better than the rest.



Rebates and Incentives
Many states/provinces and utilities offer incentives to help you save even more. Ask your TETCO dealer about available rebates or visit dsireusa.org.

ES⁵

Mother Nature meets Human Nature



EFFICIENCY + SAVINGS

Unit Features

All-aluminum microchannel air coil *eliminates the potential for failure* due to corrosion, enhancing reliability and efficiency.

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

Unique compressor isolation technology and high-density foam cabinet insulation *inhibit noise and vibrations* for ultra-quiet operation.

Meets ENERGY STAR® requirements.



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

Factory installed desuperheater (hot water generator) 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 50%.

Variable speed, ECM blower motor *ensures quiet start up* and operates at a fraction of the cost of a conventional blower motor.

Condensate overflow sensor *protects against potential overflows* due to clogged condensate drains.

Digital controls *assure proper operation*, providing a variety of field selectable settings for each installation. Advanced safety controls 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/H	EER	BTU/H	COP
YT024	Full Load	27,100	19.9	19,000	4.3
	Part Load	21,400	28.2	15,200	4.8
YT036	Full Load	41,200	20.9	29,100	4.5
	Part Load	31,500	31.3	23,300	5.1
YT048	Full Load	53,300	20.2	39,900	4.3
	Part Load	42,600	29.6	32,000	4.9
YT060	Full Load	64,300	19.3	49,200	4.1
	Part Load	50,000	28.0	37,700	4.6
YT072	Full Load	71,900	18.0	56,200	3.8
	Part Load	58,500	24.8	45,800	4.4

Notes:

Certified 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 & Single Stage: 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.

