

## Combination System

### Mother Nature meets Human Nature

Finally, environmentally conscious Mother Nature approves of your decision to keep your budget in check. The U.S. EPA recognizes geothermal systems as the most environmentally friendly and energy efficient heating and cooling systems on the market today.

TETCO ES4-C Series combination systems offer the best of both worlds – The reliability and efficiency of geothermal forced air heating and cooling; AND the ultimate in comfort with radiant floor heating. This system allows your family to enjoy the comfort of warm floors in some parts or the entire home, while still having the option for forced air heating and cooling where necessary. This type of application would have required two units until now. **One system does it all!**

The earth absorbs nearly half of the sun's energy. A TETCO geothermal system transfers heat found in the ground into your home during cooler temperatures and pulls heat from your home during warmer temperatures – all at a fraction of the cost of conventional systems. Unlike natural gas, fuel oil, or propane systems, no fossil fuels are burned. Essentially, it creates no pollution or other environmentally harmful emissions.

Finally, a heating and cooling system with a conscience: **tetcogeothermal**



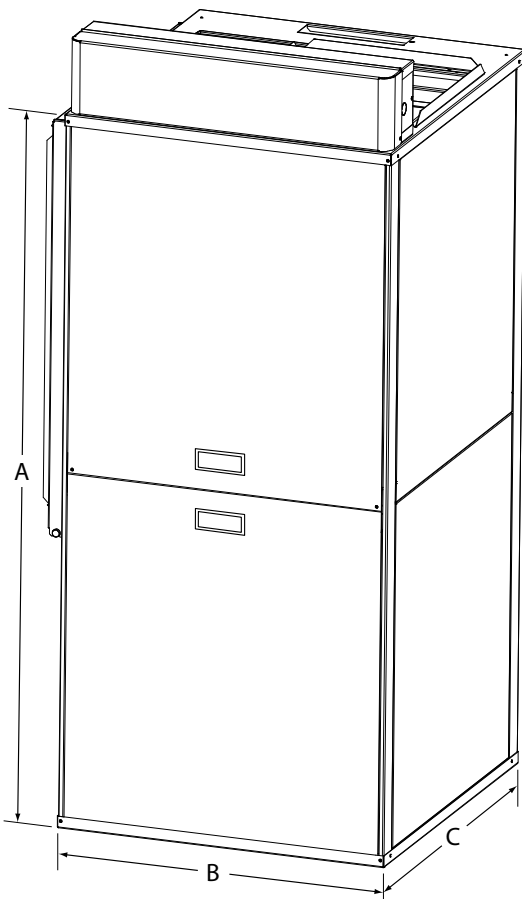
## Unit Performance

Model	Capacity	Heating		Cooling	
		Btu/hr	COP	Btu/hr	EER
TCT024	Full Load	19,700	4.2	26,500	20.0
	Part Load	15,700	4.5	20,900	27.3
TCT036	Full Load	28,600	4.1	38,600	18.3
	Part Load	22,400	4.6	29,100	26.8
TCT048	Full Load	38,000	3.9	49,000	17.0
	Part Load	29,700	4.3	37,400	24.1
TCT060	Full Load	46,500	3.7	61,300	17.4
	Part Load	36,400	4.1	48,000	24.4
TCT072	Full Load	55,900	3.6	70,500	16.2
	Part Load	46,500	4.0	57,000	22.0

**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.

## Unit Dimensional Data

Model	Dimensional Data without Control Box			Dimensional Data with Control Box
	Height (A)	Width (B)	Depth (C)	Height
024 - 036	56.1	30.3	32.2	62.5
048 - 072	60.1	30.3	32.2	66.5



## Unit Features

- TETCO's ES4-C hydronic heating function allows a single unit to provide forced air heating, forced air cooling, and radiant (hydronic) floor heating, reducing installation costs and maintenance.
- TETCO uses only Copeland® scroll compressors, proven technology that ensures better reliability due to fewer moving parts.
- Digital controls ensure proper operation with an advanced safety interface to protect the equipment, and a variety of field selectable settings for each installation.
- Hot water generator feature is standard with all TETCO geothermal systems, which allows the capture of free unused heat, typically cutting hot water costs by 30 to 50%.
- Variable speed (ECM) blower motor is standard on TETCO products, providing quiet operation and lower operating costs.
- Plastic drain pan with antimicrobial coating and condensate overflow sensor (standard on TETCO products) help protect homeowners and the structure of the home.
- E-coated air coils help prevent corrosion, enhancing reliability and life expectancy.
- TETCO has you covered with a full range of warranty options: standard, extended, and lifetime compressor. Ask your dealer for more details.



Enertech Manufacturing is continually working to improve its products. As a result, the design and specifications of each product may change without notice and may not be as described herein.



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