

TRANQUILITY® INDOOR SPLIT (TTS)



The Tranquility® Indoor Split Series has among the highest efficiency ratings of any geothermal split system in the industry when matched with ClimateMaster Tranquility® Air Handlers or Cased Coils.

The Tranquility® Indoor Split Series easily connect to new or existing fossil fuel and electric furnaces. Ideal for remote applications with a 2nd floor or crawl spaces.



Application Flexibility

- Four Capacities 026, 038, 049, and 064
- Two-stage operation for ultra high efficiencies and unsurpassed comfort
- Extended range operation (20-120°F EWT) and flow rates as low as 1.5 gpm per ton
- Field selectable low-temperature protection setting for GWHP or GLHP
- Among the highest efficiencies in AHRI/ISO/ASHRAE/ANSI 13256-1 ratings for heating COP's, cooling EER's with low water flow rates
- Exceeds Federal requirements for 30% tax credit on installation costs*
- Exceeds ASHRAE 90.1 and Energy Star 3.0 efficiencies*
- AHRI matched and rated with TAC and TAH products
- Can be used as a total electric heat pump or add on heat pump with fossil fuel backup
- Outdoor models available
- Standard 10-year limited warranty on all parts with 5-year labor allowance; Optional additional extended 5-year limited labor allowance available

*When matched with ClimateMaster Tranquility® Air Handlers and Cased Coils.

**When installed with a ClimateMaster thermostat.

Features

- 1 Copeland™ Ultra-Tech™ Two-Stage Unloading Scroll Compressor
- 2 Oversized Water Coil
- 3 Fully Insulated Water and Refrigerant Lines
- 4 Factory Installed Hot Water Generator with Internal Pump
- 5 Backseating Brass Service Valves with Service Port Brass
- 6 Brass Swivel Water Connections
- 7 Unit Performance Sentinel: Automatic Alert System Lets You Know if the System is Not Running at Peak Performance**
- 8 Dual Level Compressor Isolation for Ultra Quiet Operation
- 9 Three Easy Lift-out Service Access Panels with Stainless Steel Front Panels



CLIMATEMASTER® GEOTHERMAL HEAT PUMP SYSTEMS

SMART | RESPONSIBLE | COMFORTABLE

Tranquility® Indoor (TTS) Split Series

Performance and Specifications

Tranquility® TTS ISO Ratings

AHRI/ISO/ASHRAE 13256-1 Data (English (IP) Units)

Model	Capacity	Water Loop Heat Pump				Ground Water Heat Pump				Ground Loop Heat Pump			
		Cooling 86°F		Heating 68°F		Cooling 59°F		Heating 50°F		Cooling Full Load 77°F Part Load 68°F		Heating Full Load 32°F Part Load 41°F	
	Modulation	Capacity Btuh	EER Btuh/W	Capacity Btuh	COP	Capacity Btuh	EER Btuh/W	Capacity Btuh	COP	Capacity Btuh	EER Btuh/W	Capacity Btuh	COP
TTS026	Full	25,100	16.8	28,200	5.2	28,000	25.1	24,300	4.7	25,600	18.5	18,800	3.9
	Part	19,500	18.8	22,400	6.2	21,900	31.5	18,200	5.1	20,700	25.5	15,800	4.4
TTS038	Full	38,200	17.3	40,500	5.3	42,100	25.2	34,500	4.8	38,800	18.8	27,900	4.1
	Part	27,200	19.0	30,200	6.0	30,300	32.5	25,000	5.1	29,100	26.1	22,200	4.5
TTS049	Full	48,100	16.4	53,200	5.1	52,900	23.9	46,800	4.7	49,200	17.5	37,100	3.9
	Part	36,000	17.9	41,800	5.9	40,200	29.6	34,800	5.1	38,300	23.5	30,300	4.3
TTS064	Full	57,200	15.0	67,500	4.8	63,200	22.1	58,100	4.3	59,200	16.9	46,400	3.7
	Part	43,000	16.6	52,500	5.6	47,800	27.3	43,200	4.7	46,200	22.7	37,600	4.2

Cooling capacities based upon 80.6°F DB, 66.2°F WB entering air temperature
 Heating capacities based upon 68°F DB, 59°F WB entering air temperature
 Ground Loop Heat Pump ratings based on 15% methanol antifreeze solution
 All ratings based upon operation at lower voltage of dual voltage rated models and when mated with TAH Air Handler.

Tranquility® Indoor (TTS) Dimensional Data

Capacity		Cabinet		
		Width	Depth	Height
TTS026	in	22.4	25.3	19.3
	cm	56.9	65.0	49.0
TTS038	in	25.4	30.6	21.3
	cm	64.5	77.7	54.1
TTS049	in	25.4	30.6	21.3
	cm	64.5	77.7	54.1
TTS064	in	25.4	30.6	21.3
	cm	64.5	77.7	54.1

Options

	Standard	Factory Option	Dealer Option
Hot Water Generator with Internally Mounted Pump	●		
Cupro-Nickel Coaxial Heat Exchanger		●	
Electronic Auto-Changeover Thermostat with 3-Stage Heat, 2-Stage Cool and Indicator LEDs			●
Additional Extended 5-Year Limited Labor Allowance		●	



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The management system governing the manufacture of ClimateMaster's products is ISO 9001:2008 certified.



Intertek

