

TRANQUILITY® DIGITAL INDOOR SPLIT (TES)



The Tranquility® Digital Indoor Split Geothermal Heat Pump delivers the ULTIMATE in efficiency (26.3 EER and 4.6 COP*), comfort, reliability and serviceability – intelligently driven by the iGate™, the industry's first two-way communicating control, two-stage compressor, and industry-first vFlow™ internal variable water flow components. The Tranquility® Splits also deliver reliable operation, lower operating costs and compact installation.

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



vFlow™
Variable Water Flow

iGate™
monitor. control. diagnose.

Features

- 1 Exclusive iGate™ uses the power of 2-way communication to monitor, control and diagnose your system. It improves system life by monitoring and protecting the unit and delivers high efficiency by intelligently controlling the unit.
- 2 vFlow™ Variable Water Flow with Variable-Speed Internal Flow Center or Internal Modulating Valve for optimized efficiency, reliability and quicker, easier, cleaner installation
- 3 Next generation Copeland™ Ultra-Tech™ Two-Stage Scroll Compressor with dual-level isolation for ultra-quiet and high-efficiency operation
- 4 Two-Section Swing-out/Drop-Out Control Box design provides wide-open service access
- 5 Refrigerant Schrader Ports located on bracket at the front access panel for easy service access
- 6 Water Schrader Ports located on corner post to easily read pressure drop across water heat exchanger for easy troubleshooting
- 7 Backseating Brass Service Valves with Service Port Brass
- 8 Three Easy Lift-out Service Access Panels with Stainless Steel Front Panels

Application Flexibility

- Four Capacities 026, 038, 049, and 064
- Entering water temperature operation range 20-120°F
- iGate™ – Monitor, control and diagnose digitally from the thermostat
- vFlow™ – Connect geo source directly to the loop
- Ground loop and water loop applications
- Qualifies for 30% Federal Tax Credit by exceeding ENERGY STAR Requirements*
- 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 (TEP)
- 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® Digital Air Handlers and Cased Coils.



CLIMATEMASTER® GEOTHERMAL HEAT PUMP SYSTEMS

SMART | RESPONSIBLE | COMFORTABLE

Tranquility® Digital Indoor Split (TES) Series

Performance and Specifications

Tranquility® TES ISO Ratings

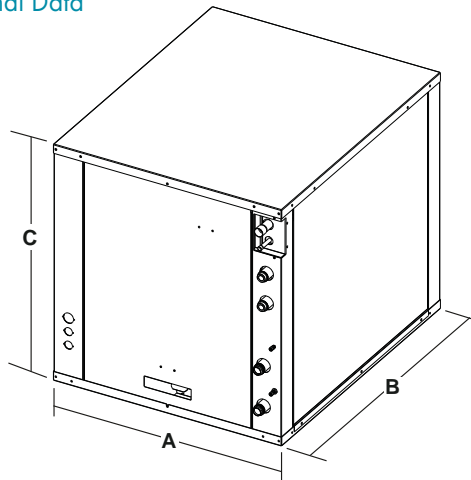
AHRI/ISO/ASHRAE 13256-1 Data (English (IP) Units)

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
TES/P026	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
TES/P038	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
TES/P049	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
TES/P064	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

Tranquility® Digital Indoor Split (TES) Dimensional Data

Capacity		Cabinet		
		A Width	B Depth	C Height
TES026	in	22.4	25.6	24.3
	cm	56.9	65.0	61.7
TES038	in	25.4	30.6	26.3
	cm	64.5	77.7	66.8
TES049	in	25.4	30.6	26.3
	cm	64.5	77.7	66.8
TES064	in	25.4	30.6	26.3
	cm	64.5	77.7	66.8



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