

TRANQUILITY® DIGITAL INDOOR SPLIT (TES)



The Tranquility® Digital Indoor Split Geothermal Heat Pump delivers the ULTIMATE in efficiency (25.6 EER and 4.3 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 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 second 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 Optional 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 Water Schrader Ports located on corner post to easily read pressure drop across water heat exchanger for easy troubleshooting
- 6 Backseating Brass Service Valves with Service Port Brass
- 7 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
- 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 extended 5-year limited labor allowance available

CLIMATEMASTER® GEOTHERMAL HEATING AND COOLING

DECLARE YOUR PERSONAL ENERGY INDEPENDENCE

Tranquility® Digital Indoor Split (TES) Series

Performance and Specifications

Tranquility® TES ISO Ratings

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

Model	Water Loop Heat Pump				Ground Water Heat Pump				Ground Loop Heat Pump			
	Cooling		Heating		Cooling		Heating		Cooling		Heating	
	Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP
*TES/P026 Part	18,000	16.4	23,200	5.7	20,400	27.8	18,700	4.8	20,300	24.0	15,300	4.0
*TES/P026 Full	23,200	14.9	29,200	4.9	25,600	22.4	24,900	4.5	24,700	17.7	18,800	3.6
**TES/P*026 Part	19,200	18.3	20,700	5.6	21,500	30.9	17,700	4.9	20,700	25.6	15,500	4.3
**TES/P026 Full	25,000	16.1	25,300	4.7	27,300	24.0	22,800	4.4	25,800	18.3	18,700	3.8
TES/P038 Part	26,000	17.3	28,300	5.7	28,800	29.7	23,700	4.8	27,900	24.7	21,000	4.3
TES/P038 Full	37,000	16.1	37,800	4.9	40,500	23.4	32,700	4.5	37,700	17.8	26,200	3.8
TES/P049 Part	35,800	16.5	42,000	5.4	40,700	29.4	34,300	4.6	39,100	23.8	29,600	4.0
TES/P049 Full	46,900	15.0	56,000	4.7	52,800	23.0	45,900	4.2	48,700	16.9	35,900	3.5
TES/P064 Part	43,400	15.8	52,000	5.2	48,100	26.0	41,700	4.3	45,500	21.7	35,900	3.8
TES/P064Full	56,800	14.0	67,300	4.4	62,400	20.3	56,600	4.0	57,300	15.5	44,300	3.4

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

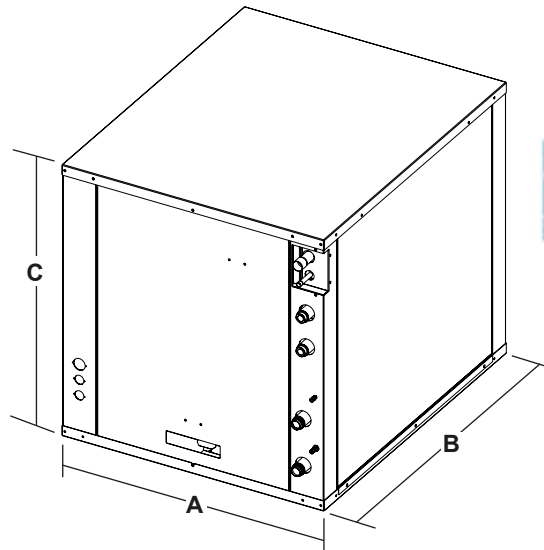
All ratings based upon operation at lower voltage of dual voltage rated models

*w/17" wide coil

**w/21" wide coil

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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Engineered and Assembled in the USA