

TRANQUILITY[®] MEDIUM TEMPERATURE WATER-TO-WATER (TMW)

The TMW Water-to-Water series offers a wide range of units for most any installation with an extended range refrigerant circuit, capable of ground loop (geothermal) as well as water loop (boiler-tower) applications. As ClimateMaster's most adaptable EarthPure[®] HFC-410A refrigerant units, the TMW Series can be used for radiant floor heating, snow/ice melt, chilled water for fan coils, potable hot water generation, hot/chilled water for make-up air, and many other types of HVAC applications.



TMW036-TMW060

TMW120

Features

- 1 Copeland™ High Efficiency Scroll Compressor
- 2 Optional Hot Water Generator With Internal Pump
- 3 Fully Insulated Water and Refrigerant Lines
- 4 Fully Insulated Compressor Section
- 5 Powder Coated Steel Cabinet with Stainless Steel Access Panels for Long Life
- 6 Dual Level Compressor Isolation Mounting for Ultra Quiet Operation
- 7 System Operating LED Lights
- 8 Unit Performance Sentinel: Automatic Alert System Lets You Know If The System is Not Running at Peak Performance*
- 9 Multiple Removable Access Panels for Service

* When installed with a ClimateMaster Residential Thermostat.

Application Flexibility

- Three Capacities 036 [8.7 kW], 060 [13.5 kW], & 120 [26.9 kW]
- Dual refrigeration circuits on size 120
- Insulated compressor compartment
- Extended range (20 to 120°F, -6.7 to 48.9°C) operation
- 1" swivel-type water connections for distributor (residential) models 036 & 060
- Flush securely-mounted corner post water connections (no backup wrench required) for model 120
- Seven safeties standard
- Up to 130°F entering water temperature (load)
- Standard 10-year limited warranty on all parts with 5-year labor allowance; Optional additional extended 5-year limited labor allowance available



CLIMATEMASTER[®] GEOTHERMAL HEAT PUMP SYSTEMS

SMART | RESPONSIBLE | COMFORTABLE

Tranquility® Medium Temperature (TMW)

Performance and Specifications

Tranquility® TMW ISO Ratings

AHRI/ISO/ASHRAE 13256-2 Data (English (IP) Units)

Model	Water Loop Heat Pump				Ground Water Heat Pump				Ground Loop Heat Pump			
	Cooling		Heating		Cooling		Heating		Cooling		Heating	
	Indoor 53.6°F Outdoor 86°F		Indoor 104°F Outdoor 68°F		Indoor 53.6°F Outdoor 59°F		Indoor 104°F Outdoor 50°F		Indoor 53.6°F Outdoor 77°F		Indoor 104°F Outdoor 32°F	
	Capacity Btuh	EER Btuh/W	Capacity Btuh	COP	Capacity Btuh	EER Btuh/W	Capacity Btuh	COP	Capacity Btuh	EER Btuh/W	Capacity Btuh	COP
036	32,300	14.60	43,100	4.90	36,200	23.10	35,300	4.00	33,300	16.40	27,400	3.10
060	52,800	14.30	72,700	4.70	56,600	20.30	60,300	4.00	55,600	16.20	48,500	3.10
120	105,600	14.10	145,400	4.60	113,200	20.10	120,600	3.90	111,200	16.10	97,000	3.10

All ratings based upon 208V operation
Indoor coil also called "Load" and outdoor coil also called "Source"

Dimensional Data

Capacity		Overall Cabinet		
		Width	Depth	Height
TMW036 -060	in	25.4	30.6	33.0
	cm	64.5	77.8	83.8
TMW120	in	52.9	30.6	37.0
	cm	134.4	77.8	94.0

Options

	Standard	Factory Option
Cupro-nickel Heat Exchanger		•
Hot Water Generator with Internal Pump	•	
Additional Extended 5-Year Limited Labor Allowance		•



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The management system governing the manufacture of ClimateMaster's products is ISO 9001:2000 certified.



Intertek

