

THE SMART SOLUTION FOR ENERGY EFFICIENCY

CONSOLE (CCE) SERIES  
0.5 TO 1.5 TON CONSOLE UNITS



# ClimateMaster Water-Source Heat Pumps Tranquility Console (TRC) Series 0.5 to 1.5 Ton Console Units

## TRANQUILITY CONSOLE (TRC) SERIES WITH EARTHPURE® REFRIGERANT

The Tranquility series (TRC) console unit provides a high efficiency WSHP “ductless” solution for spaces where individual, quiet control of the heating and cooling system is important. TRC units are especially ideal where ceiling height and space are limited, or when preserving the integrity of an existing structure. The TRC series exceeds ASHRAE 90.1 efficiencies, yet maintains small cabinet dimensions. Using EarthPure refrigerant, the Tranquility console not only protects the environment, it does so while delivering unprecedented comfort, efficiency, and reliability.

Available in sizes 1/2 ton (1.76 kW) through 1-1/2 tons (5.3 kW) with numerous cabinet, water piping and control choices, the TRC series offers a wide range of units for most any installation. The TRC has an extended range refrigerant circuit, capable of ground loop (geothermal) applications as well as water loop (boiler-tower) applications. Standard features are many. Microprocessor controls, galvanized steel cabinet, polyester powder coat paint and TXV refrigerant metering device are just some of the features of the flexible TRC series.

ClimateMaster’s exclusive double isolation compressor mounting system makes the TRC series one of the quietest console units on the market. Compressors are mounted on vibration isolation springs to a heavy gauge mounting plate, which is then isolated from the cabinet base with rubber grommets for maximized vibration/sound attenuation. Options such as e-coated air coil, DDC controls, internal pump and factory-installed water solenoid valves allow customized design solutions.

The TRC Series console water-source heat pumps are designed to meet the challenges of today’s HVAC demands with a low cost/high value “ductless” solution.

## UNIT FEATURES

- Sizes 06 (1/2 ton, 1.76 kW) through 18 (1-1/2 ton, 5.3 kW)
- Environmentally-friendly EarthPure® (HFC-410A) zero ozone depletion refrigerant
- High Efficiency Rotary compressors
- Exceeds ASHRAE 90.1 efficiencies
- Two-piece chassis/cabinet design
- Galvanized steel cabinet with durable Polar Ice powder coat finish and black “matte” finish on subbase
- Slope top/aluminum rigid bar supply air grille
- Unique double isolation compressor mounting for quiet operation
- TXV metering device
- Extended range (20 to 120°F, -6.7 to 48.9°C) operation
- Advanced digital auto or manual-change-over unit mounted controls with temperature display and fault indication
- Remote-mounted controls available
- Microprocessor controls standard (optional DXM and/or DDC controls)
- LonWorks, BACnet, Modbus and Johnson N2 compatibility options for DDC controls
- Right or left-hand piping arrangement
- Front or bottom return
- Unit Performance Sentinel™ performance monitoring system
- Eight Safeties Standard
- Wide variety of options including e-coated air coils and internal pumps



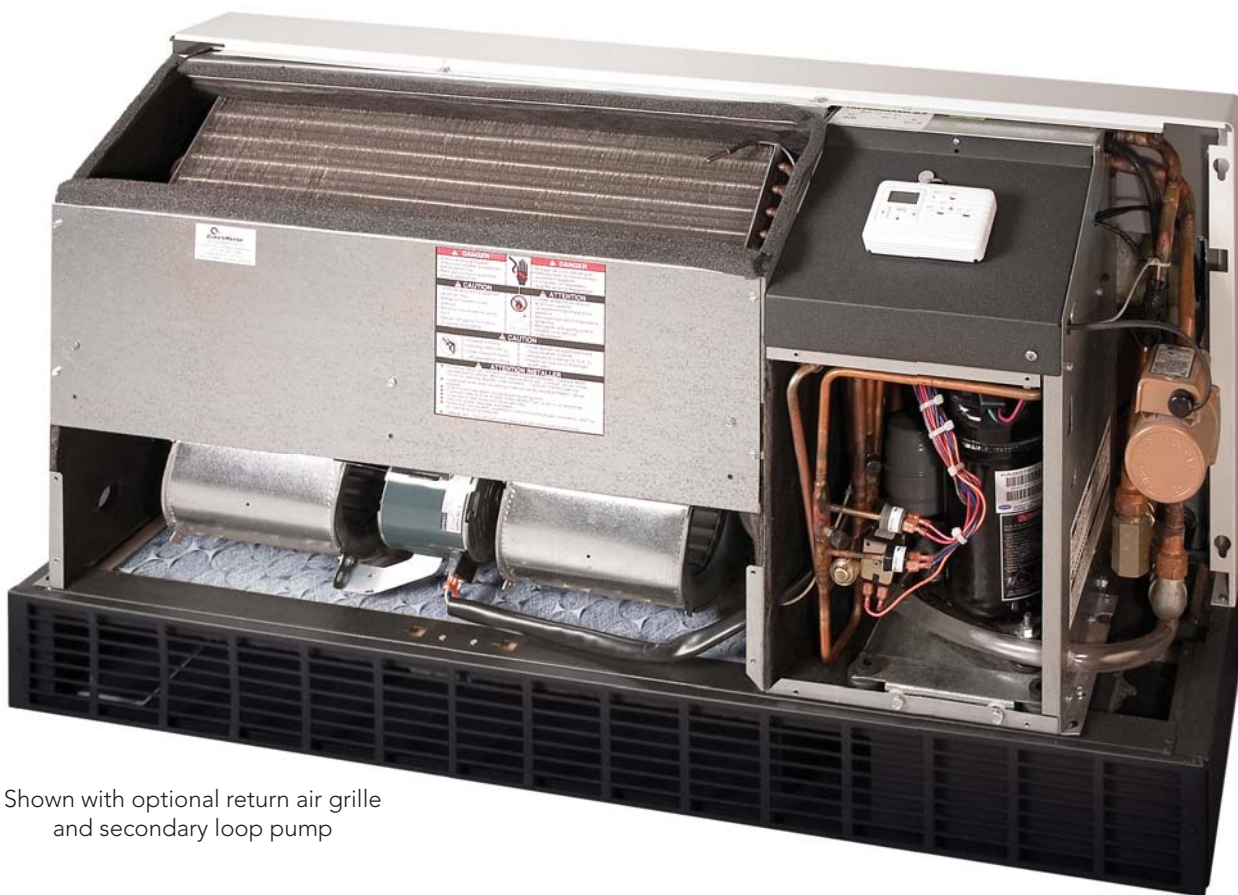
New digital controls available in manual and auto changeover

# The Smart Choice for Energy Efficiency



Optional motorized damper for outside air intake for improved air quality

Advanced digital controls with Remote Service Sentinel. Optional Enhanced controls (DXM) & DDC Controllers



Shown with optional return air grille and secondary loop pump



Optional insulated water circuit for extended range applications



Exclusive double compressor isolation reduces compressor vibration and improves overall sound performance



Features EarthPure™ HFC-410A zero ozone depletion refrigerant

## PERFORMANCE AND SPECIFICATIONS

### ARI/ISO/ASHRAE 13256-1 Data (English (IP) Units & Metric (SI) Units)

Model	Voltage & Refrigerant	Water Loop Heat Pump				Ground Water Heat Pump				Ground Loop Heat Pump			
		Cooling 86°F [30°C]		Heating 68°F [20°C]		Cooling 59°F [15°C]		Heating 50°F [10°C]		Cooling 77°F [25°]		Heating 32°F [0°C]	
		Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP
		Btuh [kW]	Btuh/W [W/W]	Btuh [kW]		Btuh [kW]	Btuh/W [W/W]	Btuh [kW]		Btuh [kW]	Btuh/W [W/W]	Btuh [kW]	
60Hz - R410A	50Hz - R410A	Data not available at time of printing.											
TRC06	60Hz - R410A	Data not available at time of printing.											
	50Hz - R410A	Future Model											
TRC09	60Hz - R410A	8,600 [2.52]	13.3 [3.9]	11,400 [3.34]	4.6	9,200 [2.70]	18.6 [5.5]	9,500 [2.78]	4.0	8,800 [2.58]	14.9 [4.4]	7,300 [2.14]	3.3
	50Hz - R410A	Future Model											
TRC12	60Hz - R410A	11,300 [3.31]	13.3 [3.9]	14,900 [4.37]	4.9	12,500 [3.66]	18.7 [5.5]	12,100 [3.55]	4.1	11,800 [3.46]	15.1 [4.4]	9,300 [2.73]	3.7
	50Hz - R410A	Future Model											
TRC15	60Hz - R410A	14,100 [4.13]	13.5 [4.0]	18,200 [5.33]	5.1	16,600 [4.87]	21.3 [6.2]	14,800 [4.34]	4.3	15,100 [4.43]	15.8 [4.6]	11,400 [3.34]	3.5
	50Hz - R410A	Future Model											
TRC18	60Hz - R410A	16,200 [4.57]	13.0 [3.8]	20,100 [5.89]	4.5	17,600 [5.16]	19.5 [5.7]	16,500 [4.84]	4.0	16,500 [4.84]	15.0 [4.4]	13,200 [3.87]	3.4
	50Hz - R410A	Future Model											

Cooling capacities based upon 80.6°F [27°C] DB, 66.2°F [19°C] WB entering air temperature.

Heating capacities based upon 68°F [20°C] DB, 59°F [15°C] WB entering air temperature.

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

#### Dimensional Data

Model	Overall Cabinet		
	W	D	H
5" [12.7] Subbase	in. 48 cm. 121.9	12 30.5	26 66.0
No Subbase	in. 54 cm. 137.2	12 30.5	21 53.3

#### Voltage Options

Model	Volts	Hz	Phase
06	Data not available at time of publication.		
09-12	115 208/230 265	60 60 60	1 1 1
15-18	208/230	60	1



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