



50 HZ WATER-SOURCE HEAT PUMPS



TRANQUILITY TRC SERIES



## TRANQUILITY® CONSOLE (TRC) SERIES



Shown with optional return air grille

The Tranquility® Console (TRC) Series 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 typical WSHP efficiencies, yet maintains small cabinet dimensions. Using EarthPure® [HFC-410A], the Tranquility® Console Series not only protects the environment, it does so while delivering unprecedented comfort, efficiency, and reliability.

Available in models 09 through 18 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 UltraQuiet option makes the TRC Series one of the quietest console units on the market. Compressors are mounted on rubber grommets for maximized vibration/sound attenuation. Options such as coated air coil, DDC controls, 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.

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



All digital controls available in manual and auto changeover



Optional motorized damper for outside air intake for improved air quality



Optional insulated water circuit for extended range applications



## UNIT FEATURES

- Models 09 (2.6 kW) through 18 (5.3 kW)
- EarthPure® [HFC-410A] zero ozone depletion refrigerant
- High efficiency rotary compressors
- 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
- TXV metering device
- Extended range (-6.7 to 48.9°C) capable
- Advanced digital auto or manual-change-over unit mounted controls with temperature display (°C or °F) 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 coated air coils

## PERFORMANCE AND SPECIFICATIONS

AHRI/ISO/ASHRAE 13256-1 Data

Model	Refrigerant	Water Loop Heat Pump				Ground Water Heat Pump				Ground Loop Heat Pump			
		Cooling 30°C		Heating 20°C		Cooling 15°C		Heating 10°C		Cooling 25°C		Heating 0°C	
		Capacity kW	EER W/W	Capacity kW	COP W/W	Capacity kW	EER W/W	Capacity kW	COP W/W	Capacity kW	EER W/W	Capacity kW	COP W/W
TRC-09	HFC-410A	2.10	4.3	2.75	5.2	2.53	6.4	2.29	4.3	2.23	4.7	1.70	3.2
TRC-12	HFC-410A	2.81	3.9	3.49	3.9	3.37	6.5	2.93	3.3	2.99	4.7	2.31	2.5
TRC-15	HFC-410A	3.33	3.9	4.23	5.0	3.84	6.6	3.53	4.3	3.52	4.7	2.72	3.6
TRC-18	HFC-410A	3.66	4.8	4.48	4.7	4.18	4.1	3.81	4.2	3.87	4.6	3.05	3.5

Cooling capacities based upon 27°C DB, 19°C WB entering air temperature.  
 Heating capacities based upon 20°C DB, 15°C WB entering air temperature.  
 All air flow is rated on high speed, units factory shipped on medium and low motor taps.  
 All ratings based upon operation at lower voltage of dual voltage rated models.

### Dimensional Data

Model 09 - 012		Overall Cabinet		
		W	D	H
12.7 mm Subbase	cm	121.9	30.5	66.0
No Subbase	cm	121.9	30.5	53.3

### Voltage Options

Model	Volts	Hz	Phase
09-18	220/240	50	1

Note: Add 15.2 cm to width for size 018.



7300 S.W. 44th Street  
Oklahoma City, OK 73179  
Phone: +1-405-745-6000  
Fax: +1-405-745-6058  
[climatemaster.com](http://climatemaster.com)

ClimateMaster works continually to improve its products. As a result, the design and specifications of each product at the time for order may be changed without notice and may not be as described herein. Please contact ClimateMaster's Customer Service Department at +1-405-745-6000 for specific information on the current design and specifications. Statements and other information contained herein are not express warranties and do not form the basis of any bargain between the parties, but are merely ClimateMaster's opinion or commendation of its products.