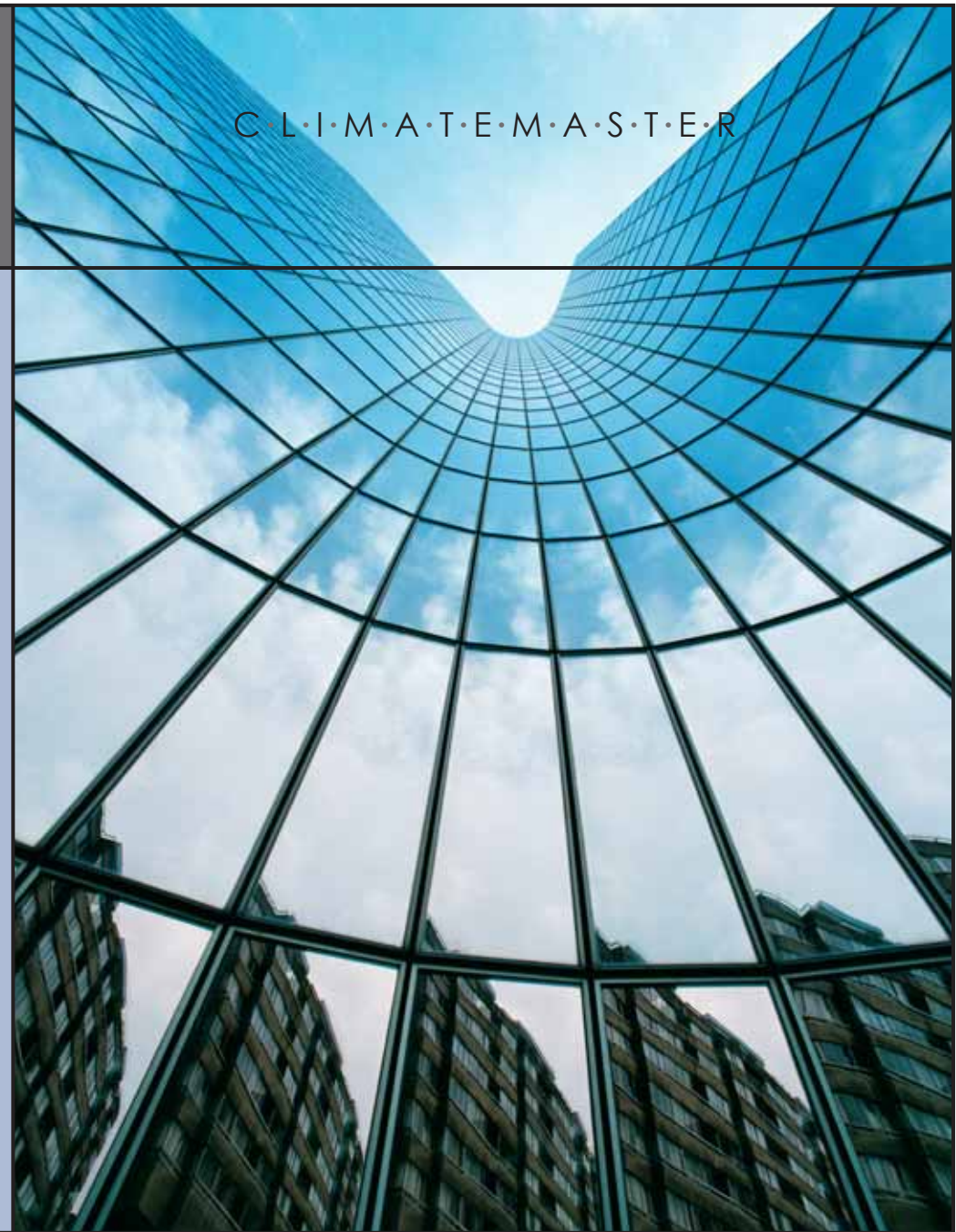


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TRANQUILITY CONSOLE

(TRC) Series

High Efficiency Water-Source Heat Pumps

Models 09 - 18

TRANQUILITY CONSOLE (TRC) SERIES WITH EARTH PURE® 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 typical WSHP 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 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 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, 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

- Models 09 through 18
- 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 (-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



Shown with optional field installed return air grille

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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 field installed return air grille

New digital controls available in manual and auto changeover



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	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 Watts	EER W/W	Capacity Watts	COP W/W	Capacity Watts	EER W/W	Capacity Watts	COP W/W	Capacity Watts	EER W/W	Capacity Watts	COP W/W
TRC09	2100	4.3	2750	5.2	2530	6.4	2290	4.3	2230	4.7	1700	3.2
TRC12	2810	3.9	3490	3.9	3370	6.5	2930	3.3	2990	4.7	2310	2.5
TRC15	3330	3.9	4230	5.0	3840	6.6	3530	4.3	3520	4.7	2720	3.6
TRC18	3660	4.8	4480	4.7	4180	4.1	3810	4.2	3870	4.6	3050	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 - 12		Overall Cabinet		
		W	D	H
5" [127mm] Subbase	in. cm.	48 121.9	12 30.5	26 66.0
No Subbase	in. cm.	48 137.2	12 30.5	21 53.3

Model 18		Overall Cabinet		
		W	D	H
5" [127mm] Subbase	in. cm.	54 121.9	12 30.5	26 66.0
No Subbase	in. cm.	54 137.2	12 30.5	21 53.3

Voltage Options

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



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