



THE SMART SOLUTION FOR ENERGY EFFICIENCY

## CONSOLE (CCE) SERIES 0.5 TO 1.5 TON CONSOLE UNITS



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

### THE CONSOLE (CCE) SERIES

The CCE series console unit provides a high efficiency WSHP "ductless" solution for spaces where individual, quiet control of the heating and cooling system is important. CCE units are especially ideal where ceiling height and space are limited, or when preserving the integrity of an existing structure. The CCE series meets ASHRAE 90.1 efficiencies, yet maintains small cabinet dimensions.

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 CCE series offers a wide range of units for most any installation. The CCE 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, epoxy powder coat paint and TXV refrigerant metering device are just some of the features of the flexible CCE series.

ClimateMaster's exclusive double isolation compressor mounting system makes the CCE 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 CCE 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 007 (1/2 ton, 1.76 kW) through 019 (1-1/2 ton, 5.3 kW)
- Efficient Rotary compressors
- Meets ASHRAE 90.1 efficiencies
- Two-piece chassis/cabinet design
- Galvanized steel cabinet with durable Polar Ice powder coat finish
- 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
- ADA approved unit mounted controls, auto or manual-change-over
- Remote-mounted controls available
- Microprocessor controls standard (optional DXM and/or DDC controls)
- LonWorks, BACnet, Modbus and Johnson N2 compatibility options for DDC controls
- Factory-mounted hanger brackets for horizontal units
- Right or left-hand piping arrangement
- Front or bottom return
- Unit Performance Sentinel performance monitoring system (remote controls)
- 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



Optional insulated water circuit for extended range applications



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



New EarthPure® HFC-410A console chassis now available in the new TRC Series

# 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 [kW]	Btuh/W [W/W]	
60Hz - R22	50Hz - R407c	kW	W/W	kW	kW	W/W	kW	kW	W/W	kW	kW		
CCE07	60Hz - R22	7,800 [2.29]	12.1 [3.5]	10,400 [3.053]	4.9	8,900 [2.61]	19.5 [5.7]	8,400 [2.46]	4.3	8,000 [2.35]	14.0 [4.1]	6,500 [1.91]	3.6
	50Hz - R407c	1.82	3.0	2.35	4.0	2.15	4.5	1.94	3.5	1.92	3.4	1.54	3.0
CCE09	60Hz - R22	9,300 [2.73]	12.0 [3.5]	12,000 [3.52]	4.4	10,300 [3.02]	18.1 [5.3]	9,700 [2.84]	3.8	10,000 [2.93]	14.0 [4.1]	7,800 [2.29]	3.4
	50Hz - R407c	2.45	3.3	2.74	4.1	3.00	5.3	2.27	3.5	2.56	3.7	1.76	3.0
CCE12	60Hz - R22	12,300 [3.61]	11.6 [3.4]	15,000 [4.409]	4.4	13,700 [4.02]	17.8 [5.2]	12,400 [3.63]	3.8	12,800 [3.75]	13.4 [3.9]	9,800 [2.87]	3.3
	50Hz - R407c	2.99	3.4	3.32	4.2	3.40	4.7	2.85	3.6	3.11	3.7	2.23	3.1
CCE15	60Hz - R22	13,800 [4.05]	11.8 [3.5]	17,300 [5.07]	4.4	15,200 [4.46]	17.3 [5.1]	14,000 [4.10]	3.8	14,100 [4.13]	13.5 [4.0]	11,000 [3.22]	3.3
	50Hz - R407c	3.48	3.33	4.27	4.3	4.07	4.9	3.45	3.6	3.68	3.8	2.75	3.1
CCE19	60Hz - R22	16,000 [4.69]	12.0 [3.5]	19,300 [5.66]	4.2	17,800 [5.22]	17.3 [5.1]	16,000 [4.69]	3.7	16,400 [4.81]	13.4 [3.9]	12,500 [3.66]	3.1
	50Hz - R407c	3.84	3.2	4.61	3.9	4.57	4.6	3.79	3.4	4.01	3.5	2.83	2.9

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
3" [7.62] Base	in. cm.	48	12	24
		121.9	30.5	61.0
5" [12.7] Base	in. cm.	48	12	26
		121.9	30.5	66.0
No Base	in. cm.	48	12	21
		121.9	30.5	53.3

## Voltage Options

Model	Volts	Hz	Phase
07-12	115	60	1
	208/230	60	1
	265	60	1
	220/240	50	1
15-19	208/230	60	1
	265	60	1
	220/240	60	1
	220/240	50	1



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