



50 HZ WATER-SOURCE HEAT PUMPS



CONSOLE CCE SERIES


CLIMATEMASTER[®]
Water-Source Heat Pump Systems

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 1.76 kW through 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 (on some models) makes the CCE series one of the quietest console units on the market. Compressors are mounted on vibration isolators 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 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.

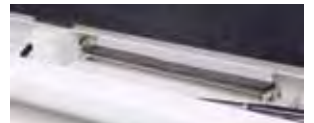
Advanced digital controls with Remote Service Sentinel. (Optional Enhanced controls (DXM) & DDC Controllers)



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

- Sizes 007 (1.76 kW) through 019 (5.3 kW)
- R-407C Refrigerant
- 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 (07 - 15 models)
- TXV metering device
- Extended range (-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
- 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 coated air coils and internal pumps

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	Capacity kW	EER W/W	Capacity kW	COP	Capacity kW	EER W/W	Capacity kW	COP
CCE07	R-407C	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	R-407C	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	R-407C	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	R-407C	3.48	3.3	4.27	4.3	4.07	4.9	3.45	3.6	3.68	3.8	2.75	3.1
CCE19	R-407C	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 27°C DB, 19°C WB entering air temperature.
 Heating capacities based upon 20°C DB, 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
7.62 Base	cm.	121.9	30.5	61.0
12.7 Base	cm.	121.9	30.5	66.0
No Base	cm.	121.9	30.5	53.3

Voltage Options

Model	Volts	Hz	Phase
07-19	220/240	50	1



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