

HRC Series

The Console (HRC) Series provides a high efficiency WSHP ductless solution for spaces where individual, quiet control of the heating and cooling system is important. HRC Console Series units are especially ideal where ceiling height and space are limited, or when preserving the integrity of an existing structure. The HRC Console Series exceeds ASHRAE 90.1 efficiencies, yet maintains small cabinet dimensions. Using EarthPure® (HFC-410A) refrigerant, the HRC Console Series not only protects the environment, it does so while delivering unprecedented comfort, efficiency, and reliability.

ADVANTAGES OF THE CONSOLE HRC SERIES

- Environmentally-friendly EarthPure® (HFC-410A) zero ozone depletion refrigerant
- Two-piece chassis/cabinet design
- Slope top with aluminum rigid bar supply air grille and aluminum control door
- TXV metering device
- Extended range (20 to 120°F, -6.7 to 48.9°C) operation
- Advanced digital auto change-over unit mounted control with temperature display, and speed selection
- Remote-mounted control 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 air
- Unit Performance Sentinel performance monitoring system
- Eight safeties standard
- Wide variety of options including coated air coils and UltraQuiet construction



WATER SOURCE CONSOLE SERIES

*.75 to 1.5 Tons
Energy Efficient Heating & Cooling
for Commercial Applications*



UNIT SIZE

Size	Model	W*	D*	H*
09-15	No Subbase	48	12	21
	5" Subbase	48	12	26
	Extended Cabinet/No Subbase	54	12	21
	Extended Cabinet/5" Subbase	54	12	26
18	No Subbase	54	12	21
	5" Subbase	54	12	26
	Extended Cabinet/No Subbase	60	12	21
	Extended Cabinet/5" Subbase	60	12	26

**All dimensions shown in inches*

PHYSICAL DATA

Model	09	12	15	18
Compressor (1 Each)	Rotary			
Factory Charge HFC-410A (oz) [kg]	28 [0.794]	29 [0.822]	33 [0.907]	39 [1.105]
Blower Wheel				
Blower Wheel Size (dia x w) - (in) [mm] - Qty 2	5.25 x 6.25 [133 x 159]			
Water Connection Size				
O.D. Sweat (in) [mm]	1/2 [12.7]		3/4 [19.1]	
Optional FPT Fittings (in)	1/2		3/4	
Optional MPT Fittings (in)	1/2		3/4	
Coax Volume				
Volume US Gal [Liters]	.09 [.34]	.09 [.34]	.23 [.87]	.26 [.98]
Condensate Connection Size				
I.D. Vinyl Hose (In) [mm]	5/8 [15.9]			
Air Coil Size				
Dimensions (h x w) - (in) [mm]	8 x 26 [203 x 660]	10 x 26 [254 x 660]	10 x 32 [254 x 812]	
Filter Size				
Bottom Return (in) [mm]	1 - 10 x 30 x 1 [254 x 762 x 25]		1 - 10 x 36 x 1 [254 x 914 x 25]	
Front Return (In) [mm]	1 - 7 x 29.5 x 1/8 [178 x 749 x 3.2]		1 - 7 x 35.5 x 1/8 [178 x 902 x 3.2]	
Unit Size				
Bottom Return (Std. 5" Base) (W x H x D) - (In) [mm]	48 x 26 x 12 [1219 x 660 x 305]		54 x 26 x 12 [1372 x 660 x 305]	
Front Return (No Subbase) (W x H x D) - (In) [mm]	48 x 21 x 12 [1219 x 533 x 305]		54 x 21 x 12 [1372 x 533 x 305]	
Unit Weight				
Weight - Operating, (lbs) [kg]	175 [79]	180 [82]	190 [86.2]	220 [99.8]
Weight - Packaged, (lbs) [kg]	185 [83.9]	190 [86]	200 [90.8]	232 [105.2]

All units have rubber grommet compressor mountings and TXV expansion devices.

TESTED TO ASHRAE/AHRI/ISO 13256-1 ENGLISH UNITS

Model	Water Loop Heat Pump				Ground Water Heat Pump				Ground Loop Heat Pump			
	Cooling 86°F		Heating 68°F		Cooling 59°F		Heating 50°F		Cooling 77°F		Heating 32°F	
	Capacity Btuh	EER Btuh/W	Capacity Btuh	COP	Capacity Btuh	EER Btuh/W	Capacity Btuh	COP	Capacity Btuh	EER Btuh/W	Capacity Btuh	COP
HRC09	8,600	13.3	11,400	4.6	9,200	18.6	9,500	4.0	8,800	14.9	7,300	3.3
HRC12	11,300	12.8	14,100	4.5	12,500	18.7	11,800	3.9	11,800	14.5	9,300	3.3
HRC15	13,700	12.8	17,500	5.1	15,700	19.4	14,600	4.0	14,500	14.7	11,400	3.3
HRC18	15,600	12.2	20,100	4.5	17,200	17.9	16,500	3.9	16,100	13.8	13,200	3.3

Cooling capacities based upon 80.6°F DB, 66.2°F WB entering air temperature

Heating capacities based upon 68°F DB, 59°F 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

Due to ongoing product improvements, specifications and dimensions are subject to change and correction without notice or incurring obligations. Determining the application and suitability for use of any product is the responsibility of the installer.

Additionally, the installer is responsible for verifying dimensional data on the actual product prior to beginning any installation preparations.

Third party incentive and rebate programs have precise requirements as to product performance and certification.

All products meet applicable regulations in effect on date of manufacture; however, certifications are not necessarily granted for the life of a product.

Therefore, it is the responsibility of the applicant to determine whether a specific model qualifies for these incentive/rebate programs.

"This product complies with all California product labeling laws including, but not limited to, the Safe Drinking Water and Toxic Enforcement Act of 1986, more commonly known as Proposition 65."