

SKYMARK JRC-Series Console Water Source Heat Pump

Models JRC – 0.75-1.5 Tons – 13 EER



Advantages of the JRC-Series:

- Exceeds ASHRAE 90.1 efficiencies.
- Slope top with aluminum rigid bar supply air grille and aluminum control door.
- Optional internal circulating pump for single-pipe applications.
- Optional internal 2-way motorized valve and auto flow regulator.
- Optional motorized outside air damper.
- Wide variety of options including coated air coils and sound package.
- Microprocessor controls standard (optional DDC controls).
- Two-piece chassis/cabinet design.
- Front or bottom return air.
- Painted galvanized or stainless steel drain pan.
- Available with plug and cord (115V and 208-230V only).
- Suitable for extended range (geothermal) applications.
- Eight safeties standard.

The SKYMARK JRC-Series delivers comfortable, proven, and reliable water source heat pump performance in a console package. The attractive console design is well-suited for building areas that require a ductless solution, due to limitations on ductwork or architectural and aesthetic design choices. The compact console cabinet houses a refrigeration chassis with efficiencies that exceed 90.1 requirements, and still provides room for internal valve and pump options.

Unit Size

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



Physical Data

JRC-Series	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]

Tested To ASHRAE/AHRI/ISO 13256-1 English (I-P) 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
JRC09	8,600	13.3	11,400	4.6	9,200	18.6	9,500	4.0	8,800	14.9	7,300	3.3
JRC12	11,300	12.8	14,100	4.5	12,500	18.7	11,800	3.9	11,800	14.5	9,300	3.3
JRC15	13,700	12.8	17,500	5.1	15,700	19.4	14,600	4.0	14,500	14.7	11,400	3.3
JRC18	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.



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