


Submittal Data: RIO09HP115V1A		9,000 BTU/H Wall Mounted Heat- Pump System													
Job Name		Location													
Purchaser		Date													
Submitted To		Engineer													
Submitted To		For <input type="checkbox"/> Reference <input type="checkbox"/> Approval <input type="checkbox"/> Construction													
Unit Designation		Schedule No.													
GENERAL FEATURES -Compact and Quiet Design -High Efficiency - 16 SEER -DC Inverter Technology -Wireless Remote with LCD Display -Low Ambient Cooling -Comfortable Sleep Mode -Intelligent Defrost -5 year Limited Parts Warranty -7 year Limited Compressor Warranty		 <p>AHRI Certified Ref No: 7077793</p>													
System Ratings		Indoor Unit Data													
Cooling Rated Capacity 9,000 BTU/H Capacity Range 3,500-11,000 BTU/H Power Input (Max) 1,100 W SEER 16 EER 12.0		Fan Motor Output Power 10 W FLA 0.4 A Airflow Cooling Wet (Lo/Hi) 188/329 CFM Heating Dry (Lo/Hi) 188/329 CFM													
Heating at 47° F Rated Capacity 9,800 BTU/H Capacity Range 2,500-11,000 BTU/H Power Input (Max) 1,230 W HSPF 8.6 COP 3.5		Sound Pressure Level Cooling (Lo/Hi) 32/40 db(A) Heating (Lo/Hi) 32/40 db(A) Dimensions & Weights Unit Dimensions (LxHxD) 30.3 x 11.1 x 7.9-in Weight (Net/Shipping) 19/26 LBS													
Heating at 17° F Rated Capacity 5,400 BTU/H Capacity (Max) 8,517 BTU/H Power Input (Max) 1,069 W COP 2.1		Outdoor Unit Data Compressor DC Inverter Driven Rotary Refrigerant Type R410A Fan Motor Output Power 30 W FLA 0.2 A Sound Pressure Cooling 53 db(A) Heating 53 db(A) Dimensions & Weights Unit Dimensions (LxHxD) 33.4 x 21.2 x 12.6-in Weight (Net/Shipping) 75/84 LBS													
Operating Range <table border="0"> <tr> <td>Cooling</td> <td>(Max)</td> <td>113°F (45 C)</td> </tr> <tr> <td></td> <td>(Min)</td> <td>64°F (18 C)</td> </tr> <tr> <td>Heating</td> <td>(Max)</td> <td>75°F (24 C)</td> </tr> <tr> <td></td> <td>(Min)</td> <td>5°F (-15 C)</td> </tr> </table>		Cooling	(Max)	113°F (45 C)		(Min)	64°F (18 C)	Heating	(Max)	75°F (24 C)		(Min)	5°F (-15 C)	Refrigerant Piping Data Gas Pipe Size (OD) 3/8-in Liquid Pipe Size (OD) 1/4-in Connection Method Flared MAX Refrigerant Pipe Length 66-ft MIN Refrigerant Pipe Length 10-ft MAX Refrigerant Pipe Height Difference 33-ft	
Cooling	(Max)	113°F (45 C)													
	(Min)	64°F (18 C)													
Heating	(Max)	75°F (24 C)													
	(Min)	5°F (-15 C)													
Power Supply Normal Operational Voltage 115 V, 1 Phase, 60 Hz Voltage Range 103-127 V Main Power Wire Size 12-2 AWG Interconnecting Cable Wire Size 14-4 AWG MCA 13.0 A MOCP/Breaker Size 20 A															



EXTENDED RATINGS

COOLING PERFORMANCE

Outdoor Ambient Temperature (DB)	Indoor Entering Air Temperatures (DB) 50% RH					
	62 F		67 F		72 F	
	TC	SHC	TC	SHC	TC	SHC
25 F	NA	NA	NA	NA	NA	NA
35 F	NA	NA	NA	NA	NA	NA
45 F	NA	NA	NA	NA	NA	NA
55 F	NA	NA	NA	NA	NA	NA
65 F	9,569	7,434	10,520	7,985	11,165	8,152
75 F	9,179	7,176	9,910	7,614	10,642	7,859
85 F	8,810	7,013	9,445	7,289	10,266	7,666
95 F	8,370	6,688	9,000	7,191	9,846	7,394
105 F	7,912	6,436	8,532	6,809	9,274	7,115
115 F	7,458	6,166	7,911	6,423	8,450	6,629

HEATING PERFORMANCE

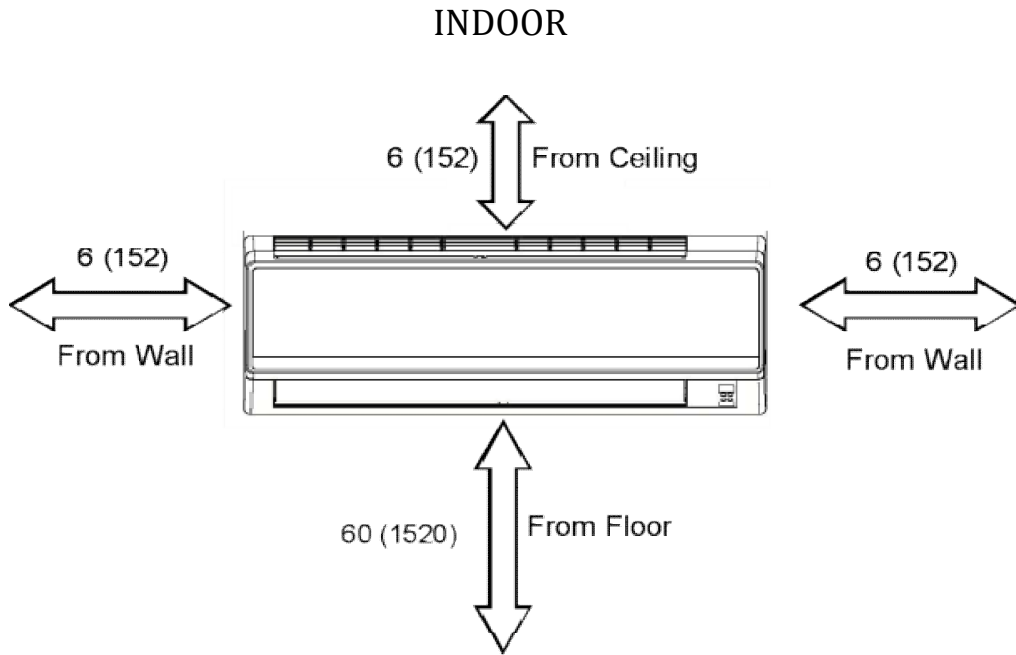
Outdoor Ambient Temperature (DB) (80% RH)	Indoor Entering Air Temperatures (DB)					
	65 F		70 F		75 F	
	TC	SHC	TC	SHC	TC	SHC
5 F	8,239	8,239	7,881	7,881	7,629	7,629
15 F	8,926	8,926	8,239	8,239	8,231	8,231
25 F	9,439	9,439	9,631	9,631	9,559	9,559
35 F	10,911	10,911	11,392	11,392	10,889	10,889
45 F	12,357	12,357	12,243	12,943	12,386	12,386
55 F	13,368	13,368	13,116	13,116	12,596	12,596
65 F	13,350	13,350	13,203	13,203	12,856	12,856

TC- Total Capacity (BtuH)

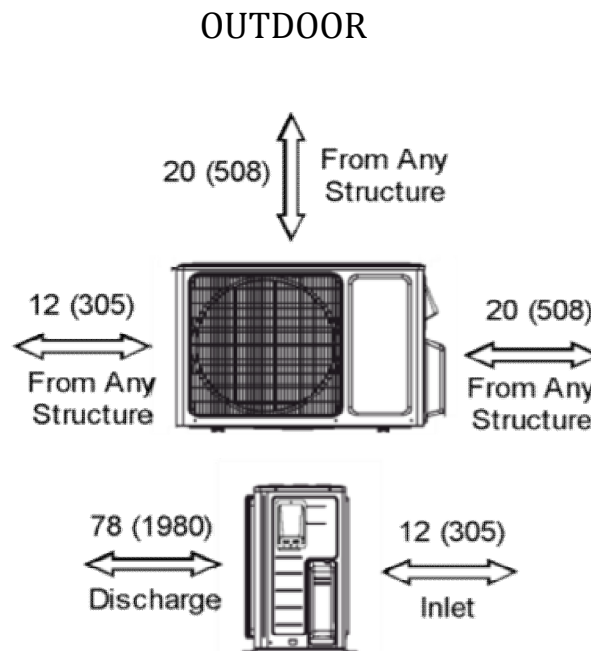
SHC- Sensible Capacity (BtuH)

MINIMUM SPACING REQUIREMENTS

Units: inch (mm)



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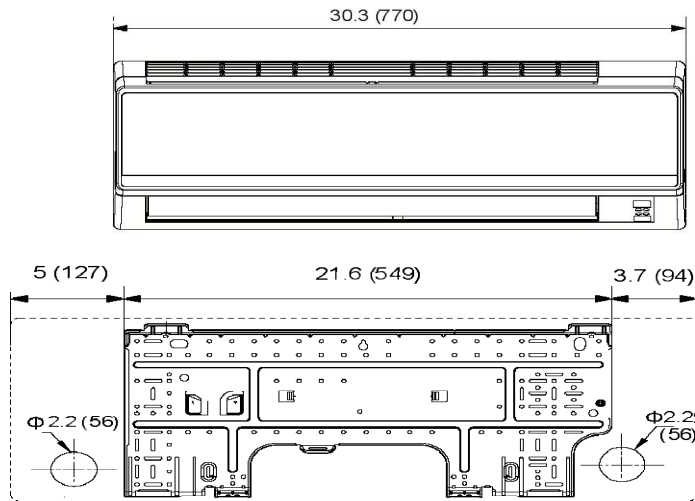


DIMENSIONAL SPECIFICATIONS

RIO09HP115V1A

INDOOR UNIT DIMENSIONS

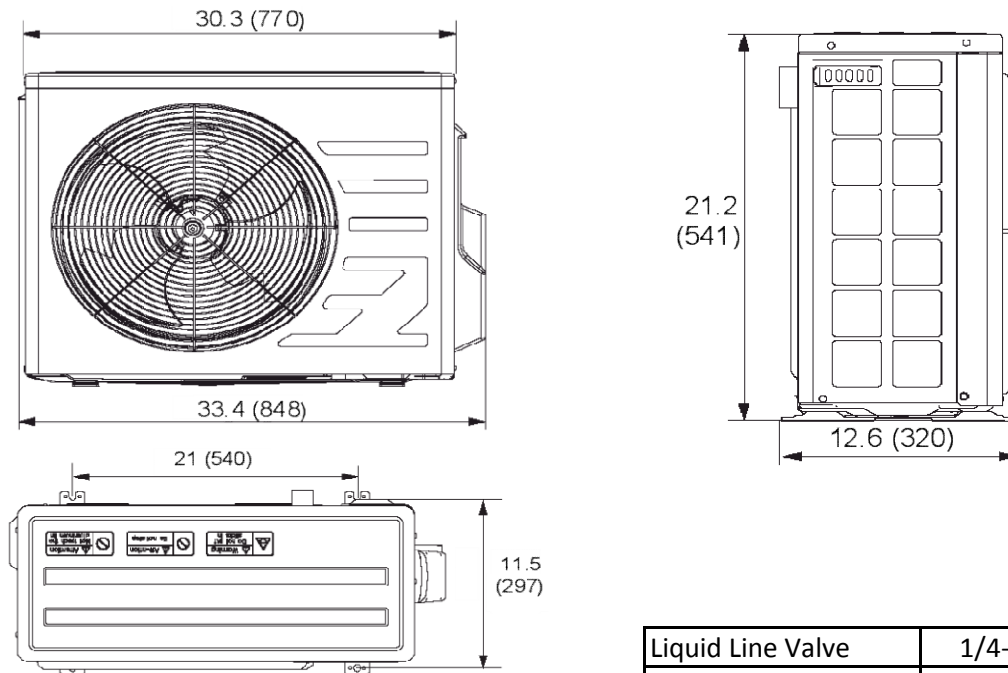
Units: inch (mm)



Liquid Line Valve	1/4-in OD Flared
Gas Line Valve	3/8-in OD Flared
Drain Connector	5/8-in OD

OUTDOOR UNIT DIMENSIONS

Units: inch (mm)



Liquid Line Valve	1/4-in OD Flared
Gas Line Valve	3/8-in OD Flared

Notes:

1. Recommended Interconnecting Cable Type Stranded Bare Copper Conductors THHN 600V Wire
2. Power wiring cable size must comply with applicable national and local codes.
3. Test conditions are based on AHRI 210/240.



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