


**Submittal Data: VIR09HP115V1A 9,000 BTU/H (115V) Wall Mounted Heat Pump System**

Job Name	Location	Date
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Purchaser	Engineer
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Submitted To	For	<input type="checkbox"/> Reference	<input type="checkbox"/> Approval	<input type="checkbox"/> Construction
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Unit Designation	Schedule No.
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<b>GENERAL FEATURES</b> -Compact and Quiet Design -High Efficiency DC Inverter Technology -Vertical Swing Louver -Wireless Remote with LCD Display -Wired Tether Controller ( Sold Separately) -Low Ambient Cool to 0 deg F -Gold Fin Condenser Coil -5 year Limited Parts Warranty -7 year Limited Compressor Warranty	  (Sold Separately) AHRI Certified Ref No:
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<b>System Ratings</b>	<b>Indoor Unit Data</b>
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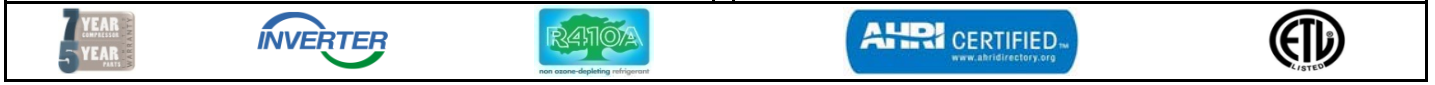
<b>Cooling</b> Rated Capacity 9,000 BTU/H Capacity Range 2,764-10,918 BTU/H Power Input (Max) 1,270 W SEER 23.0 EER 12.9  <b>Heating at 47° F</b> Rated Capacity 9,900 BTU/H Capacity Range 2,081-13,989 BTU/H Power Input (Max) 1,200 W HSPF 10.5 COP 3.1	<b>Fan Motor</b> Type Cross-Flow Output Power 20 W FLA 0.3 A  <b>Airflow</b> Cooling Wet (Lo/Hi) 171/377 CFM Heating Dry (Lo/Hi) 171/377 CFM  <b>Sound Pressure Level</b> Cooling (Min/Max) 26/43 db(A) Heating (Min/Max) 26/43 db(A)  <b>Dehumidification</b> 1.69 pt/hr
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<b>Refrigerant Piping Data</b>	<b>Outdoor Unit Data</b>
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<b>Heating at 17° F</b> Rated Capacity 6,374 BTU/H  <b>Operating Range</b> <table style="width: 100%;"> <tr> <td style="width: 20%;">Cooling</td> <td style="width: 10%;">(Max)</td> <td style="width: 10%;">115°F (46 C)</td> </tr> <tr> <td></td> <td>(Min)</td> <td>0°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>-4°F (-20 C)</td> </tr> </table>	Cooling	(Max)	115°F (46 C)		(Min)	0°F (-18 C)	Heating	(Max)	75°F (24 C)		(Min)	-4°F (-20 C)	<b>Compressor</b> Type DC Inverter Driven Rotary RLA 8.6 A  <b>Refrigerant Type</b> R410A <b>Fan Motor</b> Output Power 30 W FLA 0.55 A  <b>Sound Pressure</b> Cooling/Heating 53/53 db(A)
Cooling	(Max)	115°F (46 C)											
	(Min)	0°F (-18 C)											
Heating	(Max)	75°F (24 C)											
	(Min)	-4°F (-20 C)											

<b>Refrigerant Piping Data</b>	<b>Outdoor Unit Data</b>
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Gas Pipe Size (OD) 3/8-in Liquid Pipe Size (OD) 1/4-in Connection Method Flared MAX Refrigerant Pipe Length 49-ft MIN Refrigerant Pipe Length 10-ft MAX Refrigerant Pipe Elevation 33-ft	<b>Power Supply</b> Normal Operational Voltage 115 V, 1 Phase, 60 Hz Voltage Range 103 - 127 V MCA 12.0 A MOCP/Breaker Size 20 A
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**COOLING PERFORMANCE (BtuH)\***

Outdoor Ambient DB	Indoor Ambient Temperature							
	68F DB (20C)		73F DB (23C)		80F DB (27C)		82F DB (28C)	
	57F WB (14C)		61F WB (16C)		67F WB (19C)		68F WB (20C)	
	TC	SHC	TC	SHC	TC	SHC	TC	SHC
5°F	5,748	4,508	6,073	4,761	6,854	5,375	6,914	5,423
14°F	5,896	4,624	6,226	4,883	7,115	5,579	7,178	5,629
23°F	6,298	4,940	6,736	5,284	7,719	6,054	7,787	6,108
32°F	7,637	5,990	8,169	6,407	8,947	7,015	9,026	7,077
41°F	8,650	6,784	9,190	7,207	9,821	7,703	9,908	7,771
50°F	8,547	6,705	9,091	7,131	9,731	7,633	9,817	7,700
59°F	8,337	6,538	8,878	6,963	9,641	7,563	9,726	7,630
68°F	8,127	6,373	8,668	6,799	9,461	7,420	9,545	7,486
77°F	7,920	6,212	8,457	6,632	9,280	7,280	9,363	7,344
86°F	7,692	6,033	8,229	6,452	9,010	7,067	9,090	7,130
95°F	7,505	5,887	8,040	6,306	8,893	6,976	8,972	7,038
104°F	7,319	5,740	7,854	6,160	8,776	6,884	8,854	6,945
113°F	6,944	5,445	7,478	5,865	8,403	6,589	8,478	6,648

**HEATING PERFORMANCE (BtuH)\***

Outdoor Ambient DB	Indoor Ambient Temperature							
	68F DB (20C)		73F DB (23C)		80F DB (27C)		86F DB (30C)	
	57F WB (14C)		61F WB (16C)		67F WB (19C)		72F WB (22C)	
	TC	SHC	TC	SHC	TC	SHC	TC	SHC
-4°F	5,194	5,194	5,145	5,145	5,058	5,058	4,854	4,854
0°F	5,628	5,628	5,575	5,575	5,482	5,482	5,256	5,256
6°F	5,937	5,937	5,881	5,881	5,782	5,782	5,544	5,544
10°F	6,184	6,184	6,126	6,126	6,024	6,024	5,776	5,776
16°F	6,370	6,370	6,311	6,311	6,206	6,206	5,949	5,949
19°F	6,497	6,497	6,432	6,432	6,327	6,327	6,064	6,064
24°F	7,218	7,218	7,156	7,156	7,048	7,048	6,788	6,788
32°F	8,059	8,059	7,997	7,997	7,889	7,889	7,629	7,629
41°F	9,021	9,021	8,960	8,960	8,854	8,854	8,591	8,591
43°F	9,263	9,263	9,201	9,201	9,093	9,093	8,833	8,833
47°F	10,101	10,101	9,999	9,999	9,826	9,826	9,399	9,399
53°F	10,203	10,203	10,098	10,098	9,922	9,922	9,492	9,492
59°F	10,435	10,435	10,330	10,330	10,148	10,148	9,708	9,708
64°F	10,658	10,658	10,550	10,550	10,364	10,364	9,915	9,915
70°F	10,859	10,859	10,748	10,748	10,562	10,562	10,104	10,104
75°F	11,011	11,011	10,899	10,899	10,707	10,707	10,243	10,243

\* Maximum system capacity

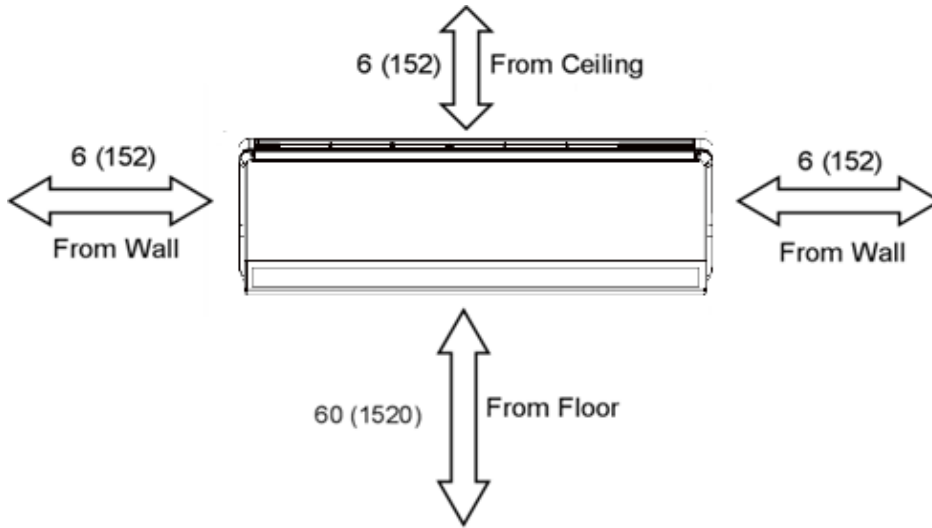
TC- Total Capacity ( BtuH)  
SHC- Sensible Capacity (BtuH)



MINIMUM SPACING REQUIREMENTS

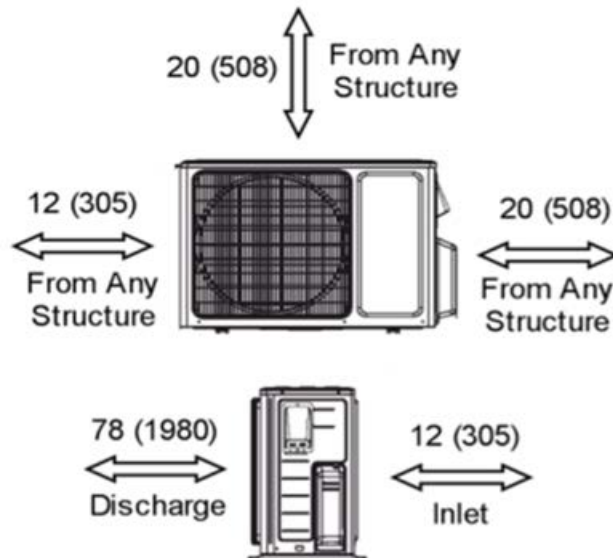
Units: inch (mm)

INDOOR



Units: inch (mm)

OUTDOOR



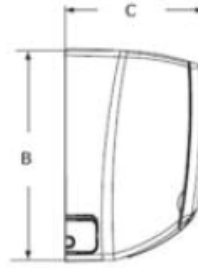
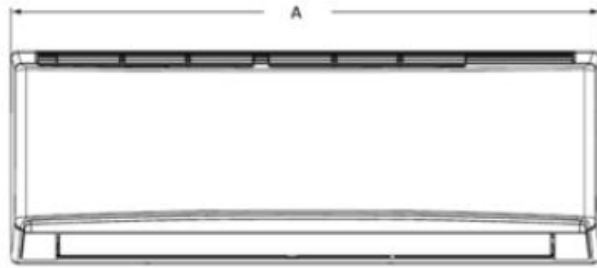
## DIMENSIONAL SPECIFICATIONS

VIR09HP115V1A

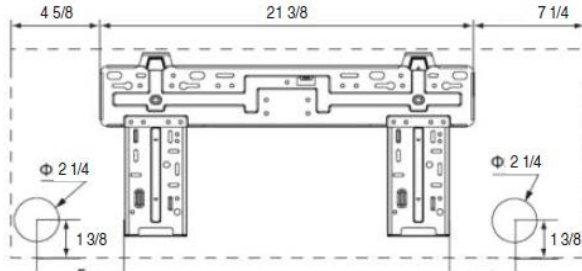
### INDOOR UNIT DIMENSIONS

Units: inch

Model No: VIR09HP115V1AH



Dimensions	
A	33.4
B	11.4
C	8.2



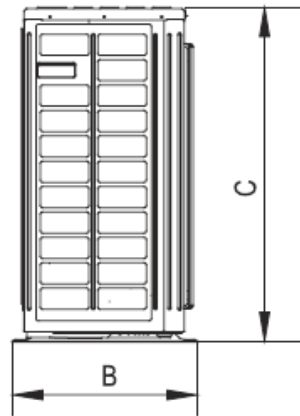
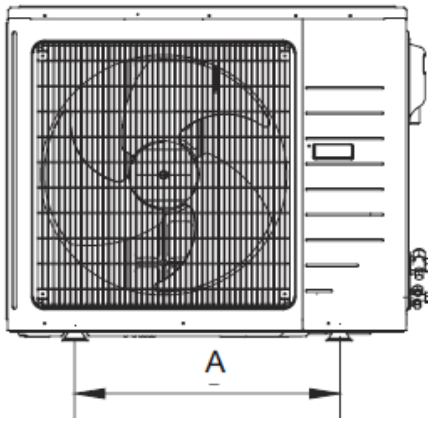
Weight (Net/Gross) 23.2/27.7 lbs

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

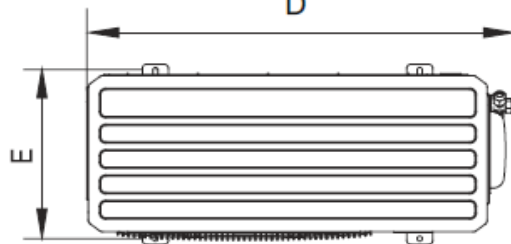
### OUTDOOR UNIT DIMENSIONS

Units: inch

Model No: VIR09HP115V1AO



Dimensions	
A	21.3
B	11.3
C	21.3
D	33.4
D	12.6



Weight (Net/Gross) 71.7/77.2 lbs

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

**Notes:**

1. Recommended Interconnecting Cable Type 14 AWG-4 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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