

Submittal Data: LIVS09HP115V1A 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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- GENERAL FEATURES**
- High Efficiency DC Inverter Technology
 - Compact and Quiet Design
 - Vertical Swing Louver
 - Wireless Remote with LCD Display
 - Wired Tether Controller (Sold Separately)
 - Low Ambient Cool to 0 deg F
 - Blue Fin Condenser Coil
 - 5 year Limited Parts Warranty
 - 7 year Limited Compressor Warranty


System Ratings
Indoor Unit Data

Cooling		
Rated Capacity		9,000 BTU/H
Capacity Range		2,764-10,918 BTU/H
Power Input (Max)		895 W
SEER		16.0
EER		9.6
Heating at 47° F		
Rated Capacity		9,600 BTU/H
Capacity Range		2,081-12,283 BTU/H
Power Input (Max)		853 W
HSPF		9.0
COP		3.3
Heating at 17° F		
Rated Capacity		5,400 BTU/H
Operating Range		
Cooling	(Max)	115°F (46 C)
	(Min)	0°F (-18 C)
Heating	(Max)	75°F (24 C)
	(Min)	-4°F (-20 C)

Fan Motor	Type	Cross-Flow
	Output Power	20 W
	FLA	0.2 A
Airflow		
Cooling	Wet (Lo/Hi)	171/318 CFM
Heating	Dry (Lo/Hi)	171/318 CFM
Sound Pressure Level		
Cooling	(Min/Max)	28/42 db(A)
Heating	(Min/Max)	28/42 db(A)
Dehumidification		1.7 pt/hr

Refrigerant Piping Data
Outdoor Unit Data

Gas Pipe Size (OD)	3/8-in
Liquid Pipe Size (OD)	1/4-in
Connection Method	Flared
Factory Charge	24.7 oz
Additional Charge	0.2 oz
Pre-Charge Length	25-ft
MAX Refrigerant Pipe Length	49-ft
MIN Refrigerant Pipe Length	10-ft
MAX Refrigerant Pipe Elevation	33-ft

Compressor	Type	DC Inverter Driven Rotary
	RLA	12.6 A
Refrigerant Type		R410A
Fan Motor	Output Power	30 W
	FLA	0.24 A
Sound Pressure		
Cooling/Heating		53/53 db(A)



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
0°F	5,669	4,446	5,990	4,695	6,716	5,268	6,939	5,443
5°F	5,742	4,503	6,066	4,756	6,846	5,369	7,074	5,548
14°F	5,889	4,619	6,219	4,877	7,107	5,573	7,344	5,759
23°F	6,291	4,935	6,729	5,278	7,710	6,047	7,967	6,249
32°F	7,629	5,983	8,160	6,400	8,937	7,007	9,235	7,241
41°F	8,640	6,776	9,180	7,199	9,810	7,694	10,137	7,951
50°F	8,538	6,697	9,081	7,123	9,720	7,624	10,044	7,878
59°F	8,328	6,530	8,868	6,956	9,630	7,554	9,951	7,806
68°F	8,118	6,366	8,658	6,792	9,450	7,412	9,765	7,659
77°F	7,911	6,205	8,448	6,624	9,270	7,272	9,579	7,514
86°F	7,683	6,026	8,220	6,445	9,000	7,059	9,300	7,294
95°F	7,497	5,880	8,031	6,299	8,883	6,968	9,179	7,200
104°F	7,311	5,734	7,845	6,153	8,766	6,877	9,058	7,106
113°F	6,936	5,439	7,470	5,859	8,394	6,582	8,674	6,801
115°F	6,915	5,423	7,440	5,835	8,361	6,557	8,640	6,775

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	5,037	5,037	4,989	4,989	4,905	4,905	4,707	4,707
0°F	5,457	5,457	5,406	5,406	5,316	5,316	5,097	5,097
6°F	5,757	5,757	5,703	5,703	5,607	5,607	5,376	5,376
10°F	5,997	5,997	5,940	5,940	5,841	5,841	5,601	5,601
16°F	6,177	6,177	6,120	6,120	6,018	6,018	5,769	5,769
19°F	6,300	6,300	6,237	6,237	6,135	6,135	5,880	5,880
24°F	6,999	6,999	6,939	6,939	6,834	6,834	6,582	6,582
32°F	7,815	7,815	7,755	7,755	7,650	7,650	7,398	7,398
41°F	8,748	8,748	8,688	8,688	8,586	8,586	8,331	8,331
43°F	8,982	8,982	8,922	8,922	8,817	8,817	8,565	8,565
47°F	9,795	9,795	9,696	9,696	9,528	9,528	9,114	9,114
53°F	9,894	9,894	9,792	9,792	9,621	9,621	9,204	9,204
59°F	10,119	10,119	10,017	10,017	9,840	9,840	9,414	9,414
64°F	10,335	10,335	10,230	10,230	10,050	10,050	9,615	9,615
70°F	10,530	10,530	10,422	10,422	10,242	10,242	9,798	9,798
75°F	10,677	10,677	10,569	10,569	10,383	10,383	9,933	9,933

* Maximum system capacity

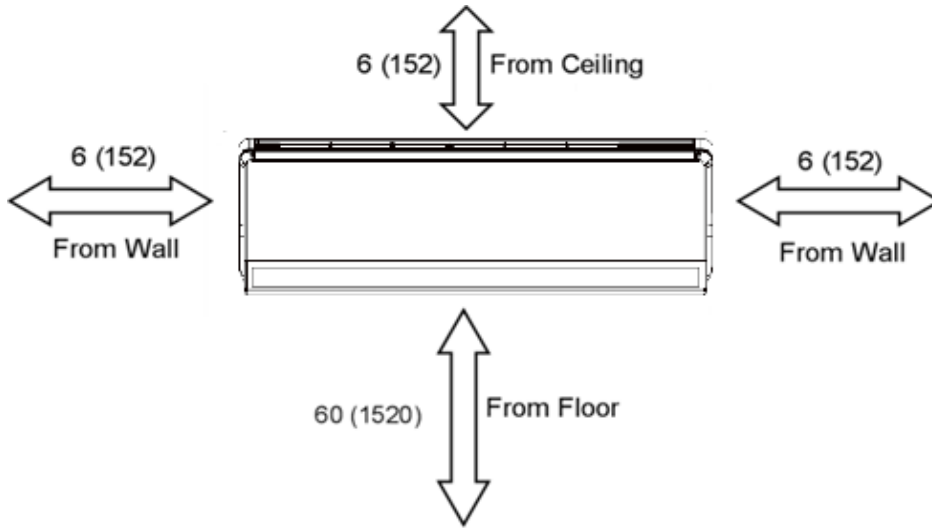
TC- Total Capacity (BtuH)
 SHC- Sensible Capacity (BtuH)



MINIMUM SPACING REQUIREMENTS

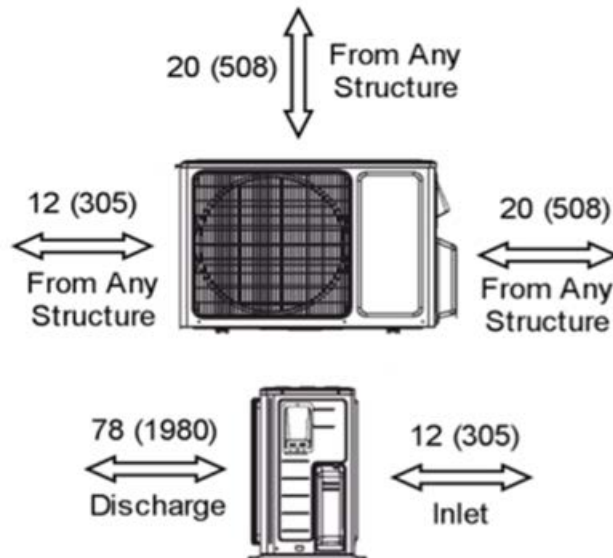
Units: inch (mm)

INDOOR



Units: inch (mm)

OUTDOOR



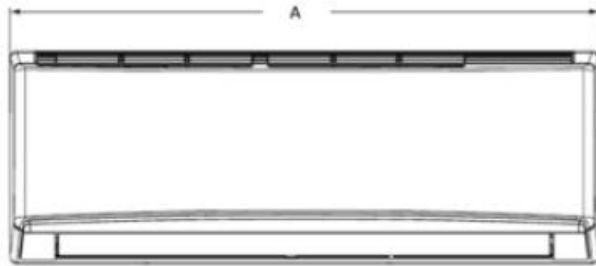
DIMENSIONAL SPECIFICATIONS

LIVS09HP115V1A

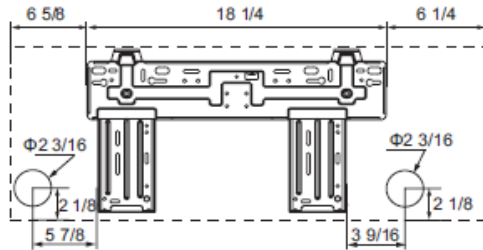
INDOOR UNIT DIMENSIONS

Units: inch

Model No: LIVS09HP115V1AH



Dimensions	
A	31.1
B	10.8
C	7.9



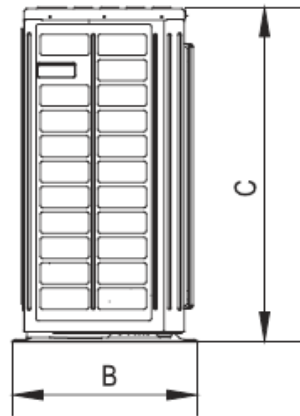
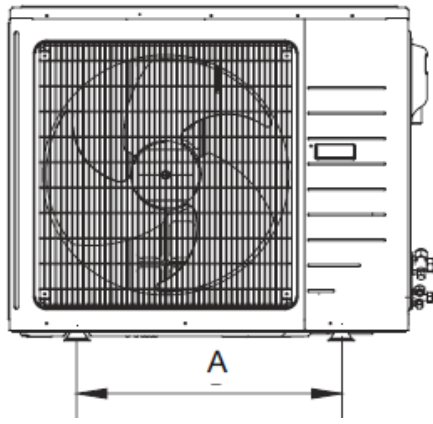
Weight (Net/Gross) 19.8/24.3 lbs

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

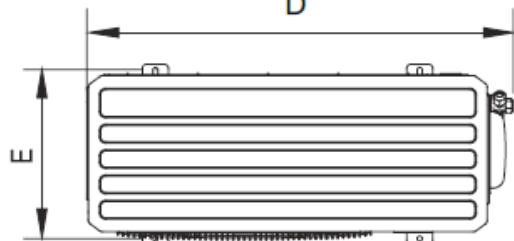
OUTDOOR UNIT DIMENSIONS

Units: inch

Model No: LIVS09HP115V1AO



Dimensions	
A	21.3
B	12.6
C	21.3
D	33.4
E	11.3



Weight (Net/Gross) 62.8/68.4 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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