

Submittal Data: LIVS12HP115V1A 12,000 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
 - XK41 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		12,000 BTU/H
Capacity Range		3,753-12,500 BTU/H
Power Input (Max)		1,193 W
SEER		16.0
EER		10.6
Heating at 47° F		
Rated Capacity		13,000 BTU/H
Capacity Range		3,412-15,013 BTU/H
Power Input (Max)		1,250 W
HSPF		9.0
COP		3.1
Heating at 17° F		
Rated Capacity		7,600 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	0.3 A
Airflow		
Cooling	Wet (Lo/Hi)	194/400 CFM
Heating	Dry (Lo/Hi)	194/400 CFM
Sound Pressure Level		
Cooling	(Min/Max)	29/43 db(A)
Heating	(Min/Max)	29/43 db(A)
Dehumidification		2.96 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	31.8 oz
Additional Charge	0.2 oz
Pre-Charge Length	25-ft
MAX Refrigerant Pipe Length	66-ft
MIN Refrigerant Pipe Length	10-ft
MAX Refrigerant Pipe Elevation	33-ft

Compressor	Type	DC Inverter Driven Rotary
	RLA	15.2 A
Refrigerant Type		R410A
Fan Motor	Output Power	30 W
	FLA	0.23 A
Sound Pressure		
Cooling/Heating		53/53 db(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
0°F	6,955	5,800	7,295	6,070	9,265	7,395	8,030	6,590
5°F	7,087	5,903	7,423	6,170	9,327	7,530	8,163	6,693
14°F	7,350	6,110	7,680	6,370	9,450	7,800	8,430	6,900
23°F	7,900	6,540	8,340	6,890	10,360	8,230	9,350	7,620
32°F	8,240	6,800	8,700	7,170	10,540	8,510	9,780	7,960
41°F	8,580	7,060	9,060	7,450	10,850	9,040	10,210	8,300
50°F	8,920	7,320	9,420	7,730	10,900	9,260	10,640	8,640
59°F	9,240	7,590	9,770	8,010	10,950	9,540	11,070	8,960
68°F	10,250	8,390	10,790	8,810	11,010	9,610	11,840	9,570
77°F	10,150	8,310	10,690	8,730	11,260	9,750	11,710	9,460
86°F	9,730	7,980	10,270	8,400	11,560	10,010	11,440	9,250
95°F	9,290	7,640	9,830	8,060	12,000	9,420	10,940	9,020
104°F	8,920	7,340	9,460	7,760	11,860	9,390	10,760	8,720
113°F	8,550	7,050	9,080	7,470	10,910	9,180	10,390	8,430
115°F	8,529	7,033	9,050	7,447	10,842	9,154	10,357	8,403

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	7,090	7,090	7,120	7,120	7,190	7,190	7,120	7,120
0°F	7,130	7,130	7,280	7,280	7,260	7,260	7,210	7,210
6°F	7,160	7,160	7,220	7,220	7,310	7,310	7,120	7,120
10°F	7,950	7,950	8,130	8,130	8,240	8,240	8,090	8,090
16°F	8,560	8,560	9,060	9,060	9,210	9,210	8,290	8,290
19°F	9,250	9,250	9,580	9,580	9,350	9,350	9,040	9,040
24°F	9,830	9,830	10,030	10,030	10,800	10,800	10,340	10,340
32°F	11,040	11,040	11,520	11,520	11,910	11,910	11,260	11,260
41°F	11,230	11,230	11,980	11,980	12,010	12,010	11,393	11,393
43°F	12,000	12,000	12,370	12,370	12,560	12,560	11,560	11,560
47°F	12,780	12,780	13,060	13,060	13,640	13,640	12,110	12,110
53°F	13,020	13,020	13,290	13,290	13,680	13,680	12,120	12,120
59°F	12,370	12,370	12,680	12,680	12,950	12,950	12,230	12,230
64°F	12,010	12,010	12,320	12,320	12,563	12,563	11,980	11,980
70°F	12,110	12,110	12,360	12,360	12,803	12,803	11,870	11,870
75°F	12,350	12,350	12,960	12,960	12,780	12,780	11,590	11,590

* Maximum system capacity

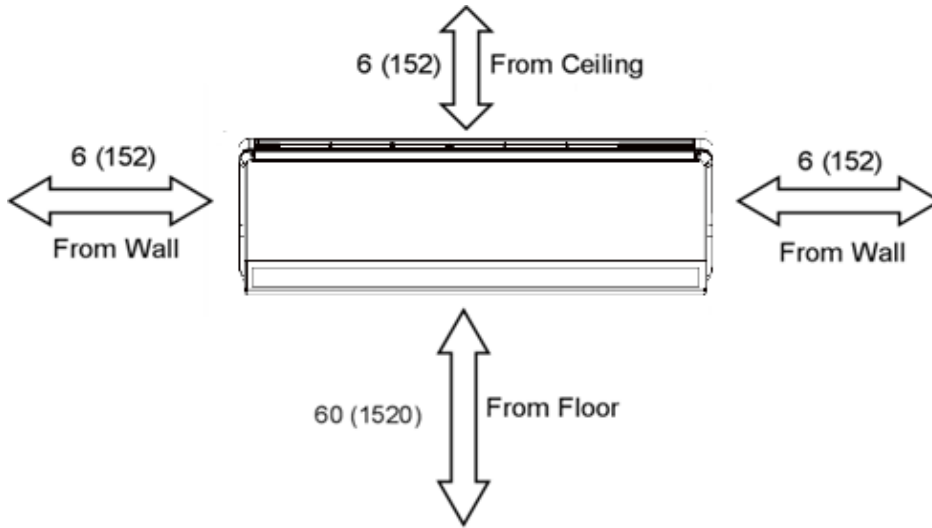
TC- Total Capacity (BtuH)
 SHC- Sensible Capacity (BtuH)



MINIMUM SPACING REQUIREMENTS

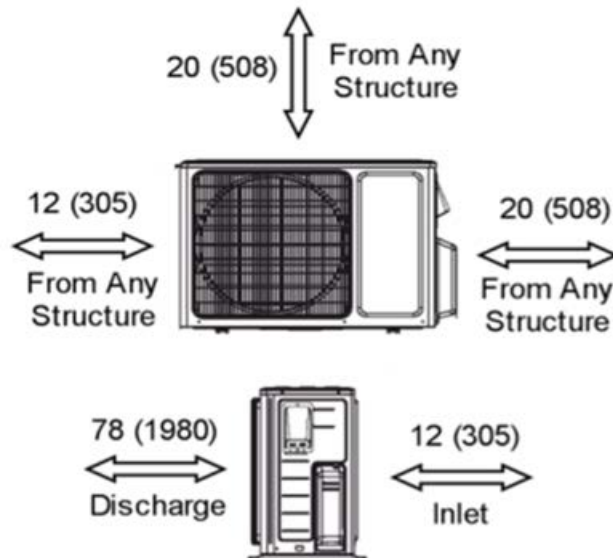
Units: inch (mm)

INDOOR



Units: inch (mm)

OUTDOOR



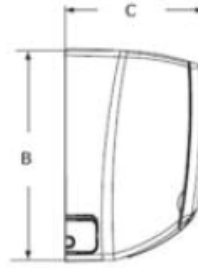
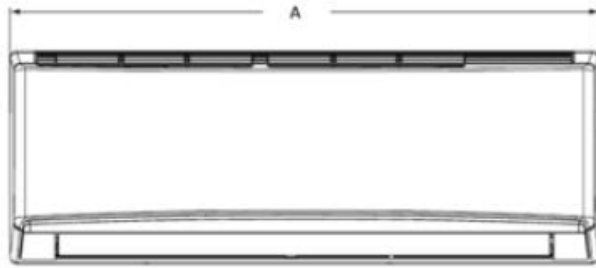
DIMENSIONAL SPECIFICATIONS

LIVS12HP115V1A

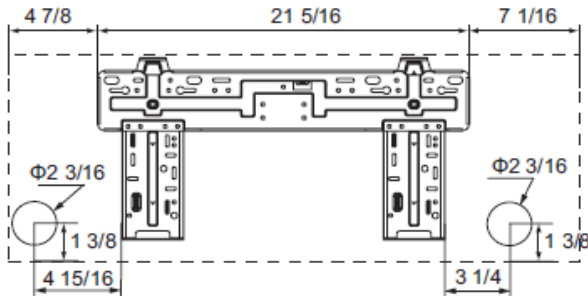
INDOOR UNIT DIMENSIONS

Units: inch

Model No: LIVS12HP115V1AH



Dimensions	
A	33.3
B	11.4
C	8.3



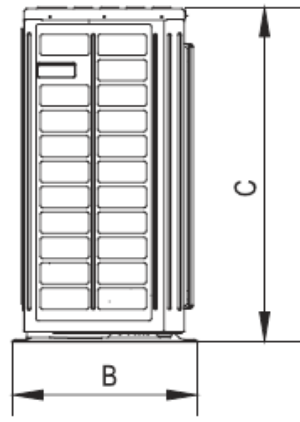
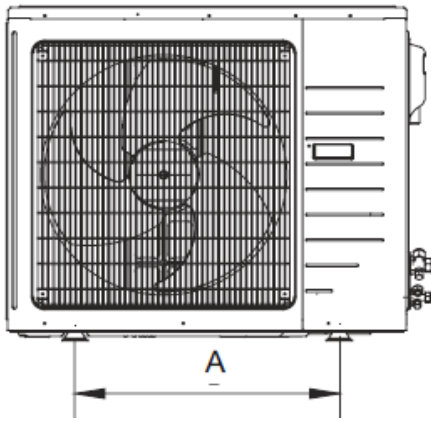
Weight (Net/Gross) 22.1/27.6 lbs

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

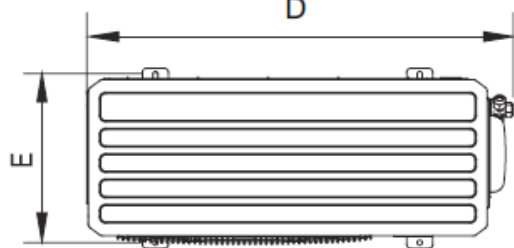
OUTDOOR UNIT DIMENSIONS

Units: inch

Model No: LIVS12HP115V1AO



Dimensions	
A	21.3
B	12.6
C	21.3
D	33.4
E	11.3



Weight (Net/Gross) 67.3/72.8 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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