

Bid No. 2020-L
Columbia County Women's Club Renovations

Addendum 2
Revisions, AC Submittals, and Extension

Revisions from Pre-Bid Meeting

MAIN AREA

1. Remove popcorn texture on ceiling, repair and apply knock down finish to ceilings and walls.
2. Existing ceiling fans to remain.
3. Supply grills as well as the return grills in stage area are to be repaired, painted and reused.
4. Floor area between main area and the storage room west of the main area will be repaired.
5. All existing and replaced doors, ceilings, rooms and trim will be painted, excluding the storage room to the east side of the stage and the storage room in the main area which only the door will be repaired and painted.
6. Additional outlets on the south end of the main area will be recessed in the wall.
7. Floor at the doorway of storage to the west of the main area will be repaired and appropriate transition installed.

STAGE AREA

1. There will be a false beam required at stage area 4 ¾" wide by 6" down from ceiling, cased in wood and painted.
2. Flooring will be installed on top of the steps to stage and will extend from stage into hall and kitchen.
3. In the converted restroom behind the stage area, there will be a floor drain installed with P-trap.

KITCHEN AREA

1. Install 9,000 BTU ductless mini-split a/c system with heat pump (submittals included).
2. After further inspection, the existing flooring is not attached well enough to place new flooring over it. Existing flooring to be replaced. It must be removed and floor prepped for new flooring.

MAIN OFFICE/ HALLWAY

1. Install 12,000 BTU ductless mini-split a/c system with heat pump (submittals included).
2. Replace all fixtures in hall bathroom.
3. Replace exterior door in hallway.

NOTES

1. There are approximately 12 recepts and 13 switches to be replaced (white).
2. Two (2) interior doors to be replaced all others to be repaired and painted.
3. One (1) exterior door to be replaced, all others to be repaired and painted.
4. The ductless systems will each require a 15-amp 2 pole breaker, the 30-amp feeding the existing unit will be sufficient to power both units.
5. There will be no exterior painting except for exterior doors.



Storage

REPAIR

Main Area

Photo # 1

Submittal Data: LIVS12HP230V1B 12,000 BTU/H (208/230V) Wall Mounted Heat Pump System

Job Name _____ Location _____ Date _____

Purchaser _____ Engineer _____

 Submitted To _____ For Reference Approval Construction

Unit Designation _____ Schedule No. _____

GENERAL FEATURES

- High Efficiency DC Inverter Technology
- Compact and Quiet Design
- Wireless Remote with LCD Display
- Wi-Fi Ready (Sold Separately Kit PN: WSBEC02)
- XK41 Wired Prog. Controller (Sold Separately)
- Low Ambient Cool to 0 deg F
- Blue Fin Condenser Coil
- 5 year Limited Parts Warranty


System Ratings

Cooling		
Rated Capacity		12,000 BTU/H
Capacity Range		3,753-12,500 BTU/H
Power Input (Max)		1,300 W
SEER		16.0
EER		9.25
Heating at 47° F		
Rated Capacity		13,000 BTU/H
Capacity Range		3,924-14,000 BTU/H
Power Input (Max)		1,250 W
HSPF		9.0
COP		3.1
Heating at 17° F		
Rated Capacity		8,100 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)

Refrigerant Piping Data

Gas Pipe Size (OD)	3/8-in
Liquid Pipe Size (OD)	1/4-in
Connection Method	Flared
Factory Charge	30.0 oz
Additional Charge	0.2 oz/ft
Pre-Charge Length	25-ft
MAX Refrigerant Pipe Length	66-ft
MIN Refrigerant Pipe Length	10-ft
MAX Refrigerant Pipe Elevation	33-ft

Indoor Unit Data

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)	29/45 db(A)
Heating	(Min/Max)	29/45 db(A)
Dehumidification		2.96 pt/hr

Outdoor Unit Data

Compressor	Type	DC Inverter Driven Rotary
	RLA	6.6 A
Refrigerant Type		R410A
Fan Motor	Output Power	30 W
	FLA	0.37 A

Sound Pressure	
Cooling/Heating	53/53 db(A)

Electrical Data

Power Supply	
Normal Operational Voltage	208/230 V, 1 Phase, 60 Hz
Voltage Range	187 - 253 V
MCA	9.0 A
MOCP/Breaker Size	15 A
Main Power Wire Size	14-2 AWG



SYSTEM FEATURES	
Inverter Type	G10
Ultra Low Frequency Torque Control	Yes
Power Factor Correction	Yes
Compressor Type	High Eff. Rotary
Refrigerant Type	R410A
Basepan With Electric Heater	YES
Compressor With Electric Heater	YES
Outdoor Fin Coating	Blue Fin
Intelligent Defrosting	YES
Intelligent Preheating	YES
Low Voltage Startup	YES
Memory/Power Failure Recovery	YES
Self Diagnosis	YES
Wired Controller Interface (XK-41)	YES
Wi-Fi Interface Capable	Optional (see PN: WSBEC01)
Indoor Fan Type	Crossflow
Multi Fan Speeds	4 Speeds
Indoor Unit Display	YES
Advance Filter	Optional (see Filter Kits)
Auxiliary Electrical Heater	NO
Ventilation (Outdoor Air)	NO

REMOTE CONTROLLER FUNCTIONS	
Auto Mode	YES
Auto Fan	YES
Auto Swing (Horizontal Auto Swing)	NO
Auto Swing (Vertical Auto Swing)	YES
Clock on Remote Controller	YES
Dry Mode	YES
Dry Anti-Mildew (X-Fan) Mode	NO
Energy Saving Mode	YES
Dirty Filter Alert	NO
I Feel Function	YES
Lock on Remote Controller	YES
Quiet Mode	NO
Room Temperature Display	YES
Sleep Mode	YES
4 Sleep Modes Options	NO
Timer Mode	YES
Turbo Mode	YES
Display On/Off Control	YES
Freeze Guard Mode	YES
Display On/Off Control	YES
Freeze Guard Mode	YES

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	7,558	5,928	7,986	6,260	8,954	7,024	9,327	7,316
5°F	7,656	6,005	8,088	6,341	9,128	7,159	9,508	7,458
14°F	7,852	6,159	8,292	6,503	9,476	7,431	9,871	7,740
23°F	8,388	6,580	8,972	7,038	10,280	8,063	10,708	8,399
32°F	10,172	7,978	10,880	8,533	11,916	9,343	12,413	9,732
41°F	11,520	9,035	12,240	9,598	13,080	10,259	13,625	10,686
50°F	11,384	8,930	12,108	9,497	12,960	10,166	13,500	10,589
59°F	11,104	8,707	11,824	9,274	12,840	10,072	13,375	10,492
68°F	10,824	8,488	11,544	9,055	12,600	9,882	13,125	10,294
77°F	10,548	8,273	11,264	8,833	12,360	9,696	12,875	10,100
86°F	10,244	8,034	10,960	8,594	12,000	9,412	12,500	9,804
95°F	9,996	7,840	10,708	8,399	11,844	9,290	12,338	9,678
104°F	9,748	7,645	10,460	8,205	11,688	9,169	12,175	9,551
113°F	9,248	7,252	9,960	7,812	11,192	8,776	11,658	9,142
115°F	9,220	7,231	9,920	7,780	11,148	8,742	11,613	9,106

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	6,821	6,821	6,756	6,756	6,642	6,642	6,374	6,374
0°F	7,390	7,390	7,321	7,321	7,199	7,199	6,902	6,902
6°F	7,796	7,796	7,723	7,723	7,593	7,593	7,280	7,280
10°F	8,121	8,121	8,044	8,044	7,910	7,910	7,585	7,585
16°F	8,365	8,365	8,288	8,288	8,149	8,149	7,812	7,812
19°F	8,531	8,531	8,446	8,446	8,308	8,308	7,963	7,963
24°F	9,478	9,478	9,397	9,397	9,254	9,254	8,913	8,913
32°F	10,583	10,583	10,502	10,502	10,359	10,359	10,018	10,018
41°F	11,846	11,846	11,765	11,765	11,627	11,627	11,282	11,282
43°F	12,163	12,163	12,082	12,082	11,940	11,940	11,598	11,598
47°F	13,264	13,264	13,130	13,130	12,903	12,903	12,342	12,342
53°F	13,398	13,398	13,260	13,260	13,028	13,028	12,464	12,464
59°F	13,703	13,703	13,565	13,565	13,325	13,325	12,748	12,748
64°F	13,995	13,995	13,853	13,853	13,609	13,609	13,020	13,020
70°F	14,259	14,259	14,113	14,113	13,869	13,869	13,268	13,268
75°F	14,458	14,458	14,312	14,312	14,060	14,060	13,451	13,451

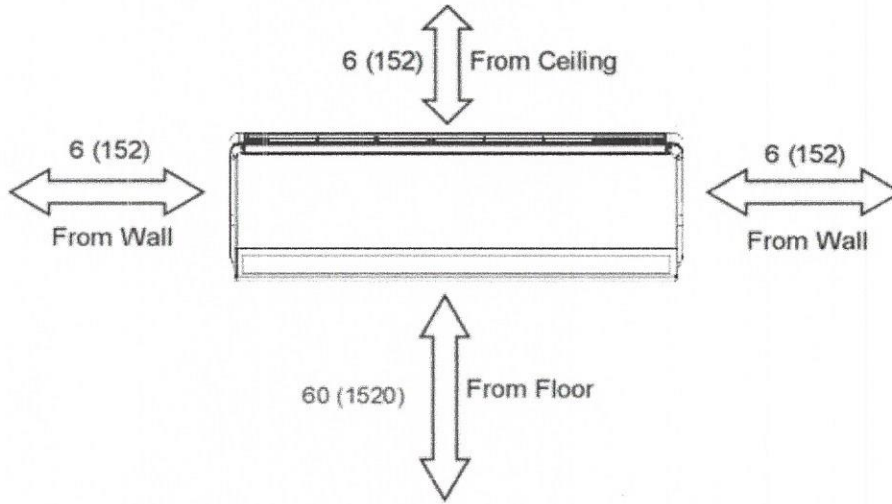
* Maximum system capacity

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

MINIMUM SPACING REQUIREMENTS

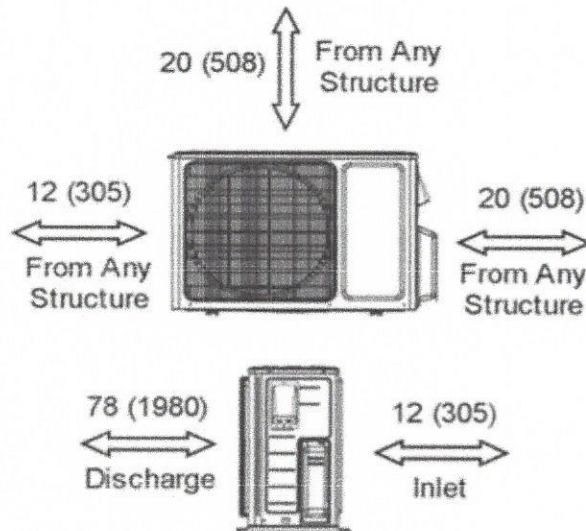
Units: inch (mm)

INDOOR



Units: inch (mm)

OUTDOOR



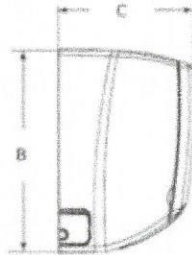
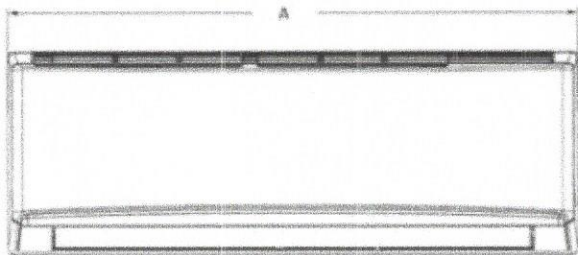
DIMENSIONAL SPECIFICATIONS

LIVS12HP230V1B

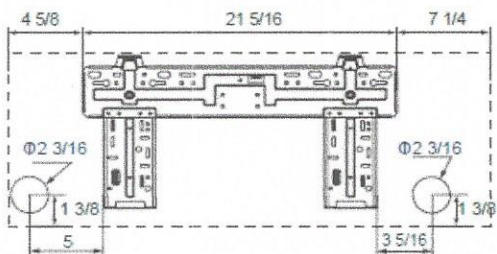
INDOOR UNIT DIMENSIONS

Units: inch

Model No: LIVS12HP230V1BH



Dimensions	
A	33.3
B	11.4
C	8.3



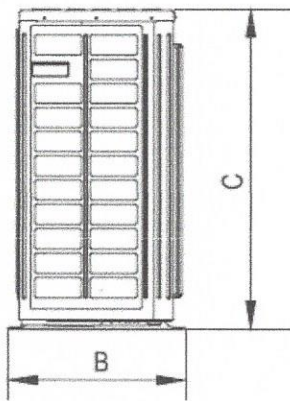
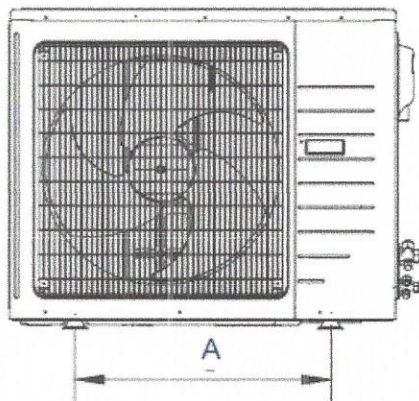
Weight (Net/Gross) 23.2/28.7 lbs

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

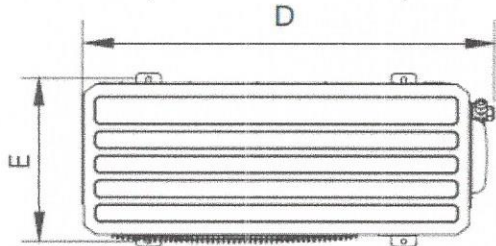
OUTDOOR UNIT DIMENSIONS

Units: inch

Model No: LIVS12HP230V1BO



Dimensions	
A	20.0
B	12.6
C	21.3
D	30.6
E	11.3



Weight (Net/Gross) 69.5/75.0 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 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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Submittal Data: LIVS09HP230V1B 9,000 BTU/H (208/230V) Wall Mounted Heat Pump System

Job Name	Location	Date
Purchaser	Engineer	
Submitted To	For	<input type="checkbox"/> Reference <input type="checkbox"/> Approval <input type="checkbox"/> Construction
Unit Designation	Schedule No.	

- GENERAL FEATURES**
- High Efficiency DC Inverter Technology
 - Compact and Quiet Design
 - Wireless Remote with LCD Display
 - Wi-Fi Ready (Sold Separately Kit PN: WSBE02)
 - XK41 Wired Prog. Controller (Sold Separately)
 - Low Ambient Cool to 0 deg F
 - Blue Fin Condenser Coil
 - 5 year Limited Parts Warranty


System Ratings

Cooling		
Rated Capacity		9,000 BTU/H
Capacity Range		3,100-9,600 BTU/H
Power Input (Max)		900 W
SEER		16.0
EER		10.0
Heating at 47° F		
Rated Capacity		9,500 BTU/H
Capacity Range		3,100-12,000 BTU/H
Power Input (Max)		800 W
HSPF		9.0
COP		3.5
Heating at 17° F		
Rated Capacity		5,600 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)

Indoor Unit Data

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)	28/43 db(A)
Heating	(Min/Max)	28/43 db(A)
Dehumidification		1.69 pt/hr

Refrigerant Piping 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/ft
Pre-Charge Length	25-ft
MAX Refrigerant Pipe Length	49-ft
MIN Refrigerant Pipe Length	10-ft
MAX Refrigerant Pipe Elevation	33-ft

Outdoor Unit Data

Compressor	Type	DC Inverter Driven Rotary
	RLA	6.6 A
Refrigerant Type		R410A
Fan Motor	Output Power	30 W
	FLA	0.37 A
Sound Pressure		
Cooling/Heating		52/52 db(A)

Electrical Data

Power Supply	
Normal Operational Voltage	208/230 V, 1 Phase, 60 Hz
Voltage Range	187 - 253 V
MCA	9.0 A
MOCB/Breaker Size	15 A
Main Power Wire Size	14-2 AWG

SYSTEM FEATURES	
Inverter Type	G10
Ultra Low Frequency Torque Control	Yes
Power Factor Correction	Yes
Compressor Type	High Eff. Rotary
Refrigerant Type	R410A
Basepan With Electric Heater	YES
Compressor With Electric Heater	YES
Outdoor Fin Coating	Blue Fin
Intelligent Defrosting	YES
Intelligent Preheating	YES
Low Voltage Startup	YES
Memory/Power Failure Recovery	YES
Self Diagnosis	YES
Wired Controller Interface (XK-41)	YES
Wi-Fi Interface Capable	Optional (see PN: WSBEC01)
Indoor Fan Type	Crossflow
Multi Fan Speeds	4 Speeds
Indoor Unit Display	YES
Advance Filter	Optional (see Filter Kits)
Auxiliary Electrical Heater	NO
Ventilation (Outdoor Air)	NO

REMOTE CONTROLLER FUNCTIONS	
Auto Mode	YES
Auto Fan	YES
Auto Swing (Horizontal Auto Swing)	NO
Auto Swing (Vertical Auto Swing)	YES
Clock on Remote Controller	YES
Dry Mode	YES
Dry Anti-Mildew (X-Fan) Mode	NO
Energy Saving Mode	YES
Dirty Filter Alert	NO
I Feel Function	YES
Lock on Remote Controller	YES
Quiet Mode	NO
Room Temperature Display	YES
Sleep Mode	YES
4 Sleep Modes Options	NO
Timer Mode	YES
Turbo Mode	YES
Display On/Off Control	YES
Freeze Guard Mode	YES
Display On/Off Control	YES
Freeze Guard Mode	YES

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	5,675	4,451	5,996	4,700	6,723	5,274	6,783	5,320
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
115°F	6,923	5,429	7,448	5,842	8,371	6,564	8,445	6,622

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	4,985	4,985	4,937	4,937	4,854	4,854	4,658	4,658
0°F	5,400	5,400	5,350	5,350	5,261	5,261	5,044	5,044
6°F	5,697	5,697	5,644	5,644	5,549	5,549	5,320	5,320
10°F	5,935	5,935	5,878	5,878	5,780	5,780	5,543	5,543
16°F	6,113	6,113	6,056	6,056	5,955	5,955	5,709	5,709
19°F	6,234	6,234	6,172	6,172	6,071	6,071	5,819	5,819
24°F	6,926	6,926	6,867	6,867	6,763	6,763	6,513	6,513
32°F	7,734	7,734	7,674	7,674	7,570	7,570	7,321	7,321
41°F	8,657	8,657	8,598	8,598	8,497	8,497	8,244	8,244
43°F	8,888	8,888	8,829	8,829	8,725	8,725	8,476	8,476
47°F	9,693	9,693	9,595	9,595	9,429	9,429	9,019	9,019
53°F	9,791	9,791	9,690	9,690	9,521	9,521	9,108	9,108
59°F	10,014	10,014	9,913	9,913	9,738	9,738	9,316	9,316
64°F	10,227	10,227	10,123	10,123	9,945	9,945	9,515	9,515
70°F	10,420	10,420	10,313	10,313	10,135	10,135	9,696	9,696
75°F	10,566	10,566	10,459	10,459	10,275	10,275	9,830	9,830

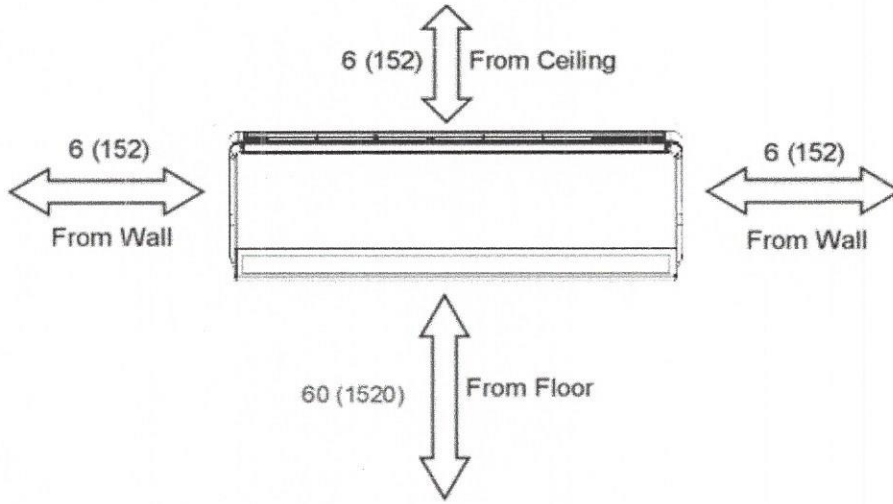
* Maximum system capacity

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

MINIMUM SPACING REQUIREMENTS

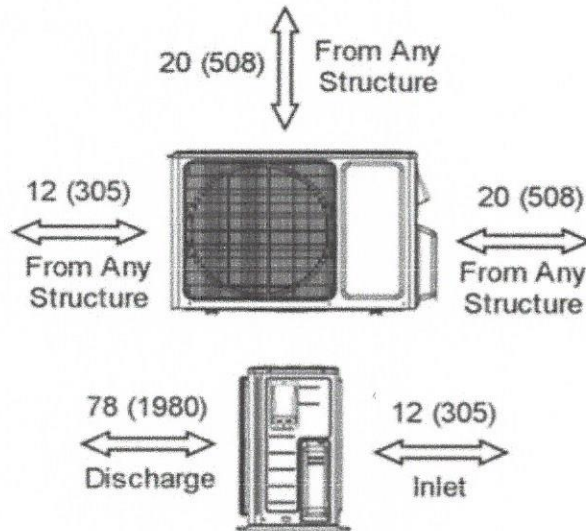
Units: inch (mm)

INDOOR



Units: inch (mm)

OUTDOOR



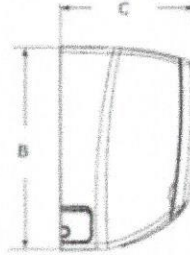
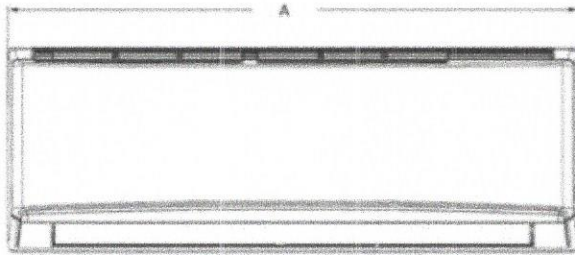
DIMENSIONAL SPECIFICATIONS

LIVS09HP230V1B

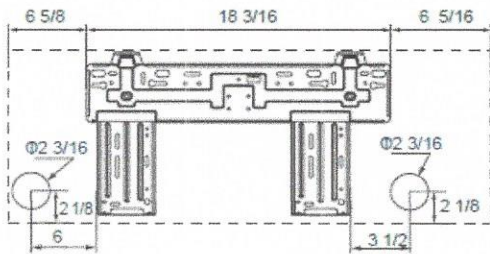
INDOOR UNIT DIMENSIONS

Units: inch

Model No: LIVS09HP230V1BH



Dimensions	
A	31.1
B	10.8
C	7.9



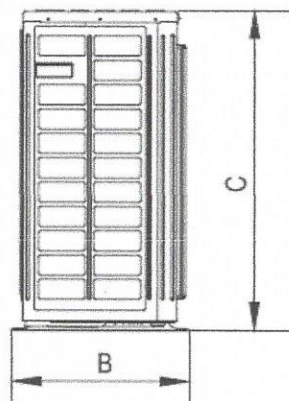
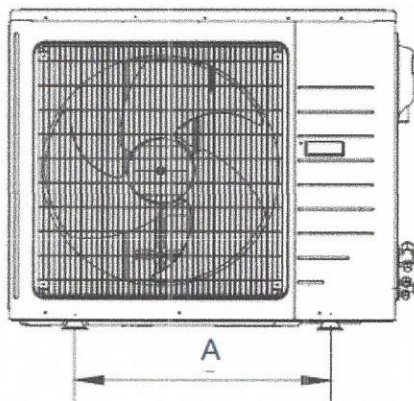
Weight (Net/Gross) 19.8/24.3 lbs

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

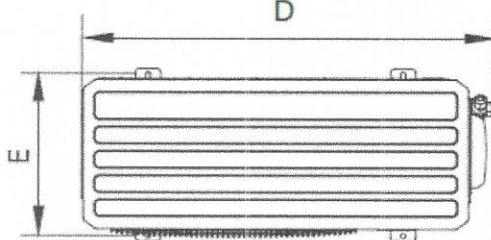
OUTDOOR UNIT DIMENSIONS

Units: inch

Model No: LIVS09HP230V1BO



Dimensions	
A	20.0
B	12.6
C	21.3
D	33.6
E	11.3



Weight (Net/Gross) 66.2/71.7 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 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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Second Deadline Extension

A second extension has been provided for this solicitation. The final deadline for this solicitation is **Friday, May 29, 2020, at 2:00 PM.**