

**Submittal Data: LIVS09HP115V1B** 9,000 BTU/H (115V) 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: WSBEE03)
  - Wired Tether Controller ( Sold Separately)
  - Low Ambient Cool to 0 deg F
  - Blue Fin Condenser Coil
  - 5 year Limited Parts Warranty


**System Ratings**

|                         |       |                    |
|-------------------------|-------|--------------------|
| <b>Cooling</b>          |       |                    |
| Rated Capacity          |       | 9,000 BTU/H        |
| Capacity Range          |       | 2,764-10,918 BTU/H |
| Power Input (Max)       |       | 895 W              |
| SEER                    |       | 16.0               |
| EER                     |       | 9.55               |
| <b>Heating at 47° F</b> |       |                    |
| 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                |
| <b>Heating at 17° F</b> |       |                    |
| Rated Capacity          |       | 5,400 BTU/H        |
| <b>Operating Range</b>  |       |                    |
| 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**

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

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

**Electrical Data**

|                            |  |                       |
|----------------------------|--|-----------------------|
| <b>Power Supply</b>        |  |                       |
| Normal Operational Voltage |  | 115 V, 1 Phase, 60 Hz |
| Voltage Range              |  | 103 - 127 V           |
| MCA                        |  | 17.0 A                |
| MOCP/Breaker Size          |  | 25 A                  |
| Main Power Wire Size       |  | 12-2 AWG              |

| <b>SYSTEM FEATURES</b>             |                            |
|------------------------------------|----------------------------|
| 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                | Bule 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: WSBEC02) |
| 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                         |

| <b>REMOTE CONTROLLER FUNCTIONS</b> |     |
|------------------------------------|-----|
| 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                | 5,669                      | 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 |

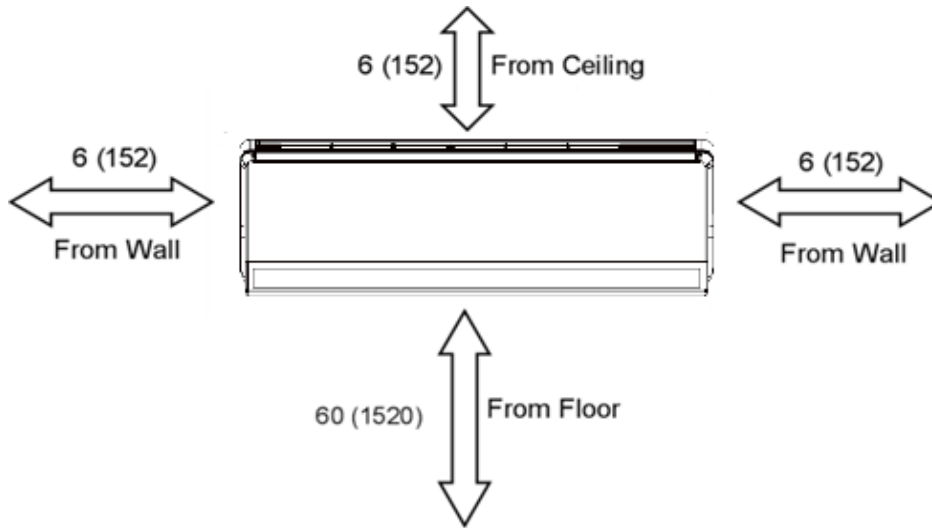
\* Maximum system capacity

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

MINIMUM SPACING REQUIREMENTS

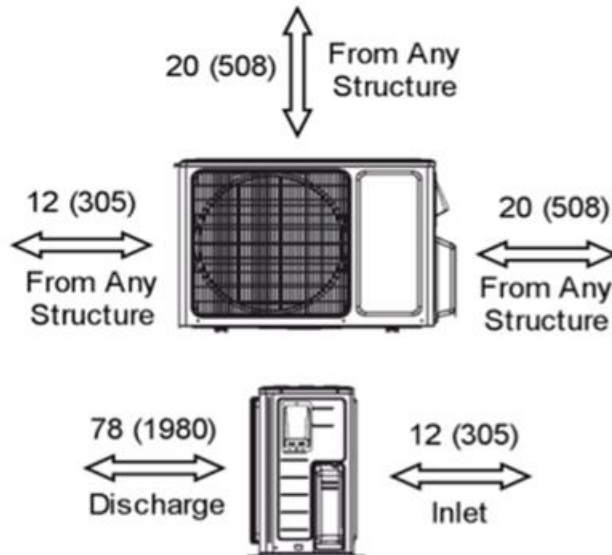
Units: inch (mm)

INDOOR



Units: inch (mm)

OUTDOOR



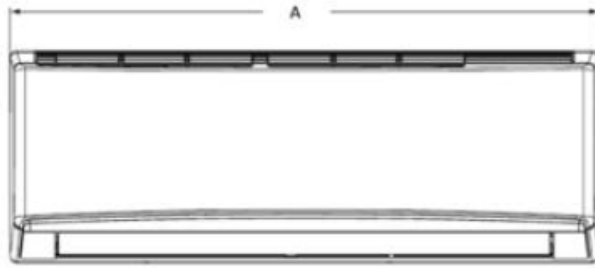
## DIMENSIONAL SPECIFICATIONS

## LIVS09HP115V1B

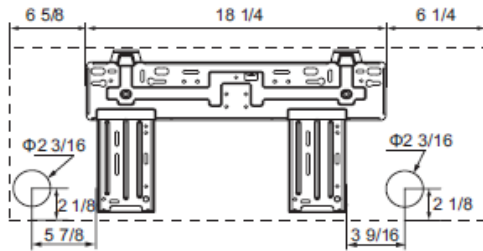
### INDOOR UNIT DIMENSIONS

Units: inch

Model No: LIVS09HP115V1BH



| Dimensions |      |
|------------|------|
| A          | 31.1 |
| B          | 10.8 |
| C          | 7.9  |



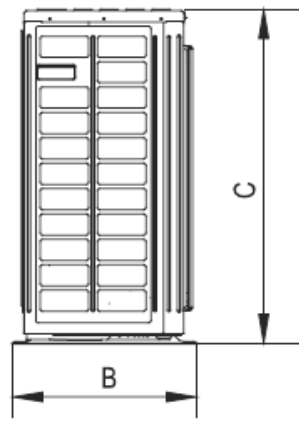
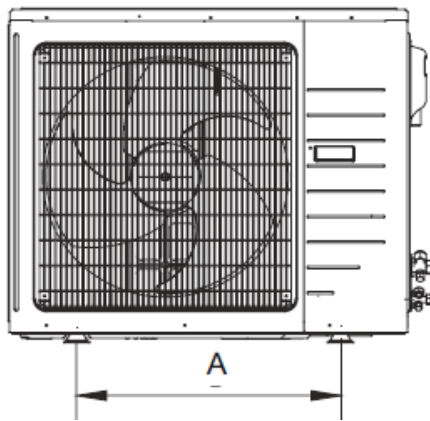
Weight (Net/Gross) 19.8/24.3 lbs

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

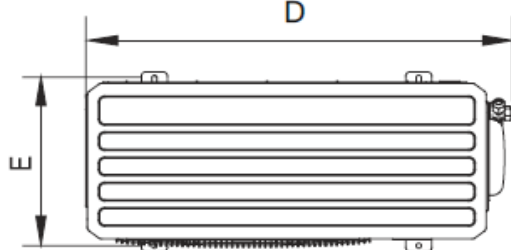
### OUTDOOR UNIT DIMENSIONS

Units: inch

Model No: LIVS09HP115V1BO



| 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 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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