

Date: \_\_\_\_\_ For:  File  Resubmit  
 PO No.: \_\_\_\_\_  Approval  Other \_\_\_\_\_  
 Architect: \_\_\_\_\_ GC: \_\_\_\_\_  
 Engr: \_\_\_\_\_ Mech: \_\_\_\_\_  
 Rep: \_\_\_\_\_  
 (Company) (Project Manager)



**ARUN290BT2** (a) ARUN096BT2  
 Multi V™ Plus II (b) ARUN096BT2  
 24.0 Ton Outdoor Unit (c) ARUN096BT2

**Performance:**

**Cooling Mode:**

|                  |         |
|------------------|---------|
| Capacity (Btu/h) | 286,600 |
| Capacity (tons)  | 24.0    |
| Power Input (kW) | 23.4    |

**Heating Mode:**

|                  |         |
|------------------|---------|
| Capacity (Btu/h) | 322,500 |
| Power Input (kW) | 26.4    |

Cooling Nominal Test Conditions:  
 Indoor: 80°F DB /67°F WB  
 Outdoor: 95° DB

Heating Nominal Test Conditions:  
 Indoor: 70°F DB  
 Outdoor: 47°F DB /43°F WB

**Electrical:**

|                          | (a) ARUN096BT2 | (b) ARUN096BT2 | (c) ARUN096BT2 |
|--------------------------|----------------|----------------|----------------|
| Power Supply (V/Hz/Ph)   | 208-230/60/3   | 208-230/60/3   | 208-230/60/3   |
| MOP (A)                  | 60             | 60             | 60             |
| MCA (A)                  | 42             | 42             | 42             |
| Rated Amps (A)           | 37.1           | 37.1           | 37.1           |
| Compressor A (A)         | 16.0           | 16.0           | 16.0           |
| Compressor B (A)         | 18.7           | 18.7           | 18.7           |
| Fan Motor (A)            | 2.4            | 2.4            | 2.4            |
| Max Starting Current (A) | 130.6          | 130.6          | 130.6          |

**Piping:**

|                          | (a) ARUN096BT2 | (b) ARUN096BT2 | (c) ARUN096BT2 |
|--------------------------|----------------|----------------|----------------|
| Refrigerant Charge (lbs) | 17.6           | 17.6           | 17.6           |
| Liquid Line (in, OD)     | 3/8 Flare      | 3/8 Flare      | 3/8 Flare      |
| Vapor Line (in, OD)      | 7/8 Braze      | 7/8 Braze      | 7/8 Braze      |

**Standard Features:**

- Limited Warranty with LG Certified Installation
  - Two Year Functional Parts Warranty
  - Additional Four Year Compressor Warranty
- Black Box Function
- Night Quiet Operation
- Fault Detection and Diagnosis

**Operating Range:**

|                 |         |
|-----------------|---------|
| Cooling (°F DB) | 23-110  |
| Heating (°F WB) | -4 - 60 |

**Unit Data:**

|                                       |                 |
|---------------------------------------|-----------------|
| Refrigerant Type                      | R410A           |
| Refrigerant Control                   | EEV             |
| Max Num of Indoor Units <sup>1</sup>  | 49              |
| Sound Pressure <sup>2</sup> dB(A)     | 63              |
| Net Unit Weight (a) + (b) + (c) (lbs) | 628 + 628 + 628 |
| Shipping Weight (a) + (b) + (c) (lbs) | 664 + 664 + 664 |
| Communication Cable (No. x AWG)       |                 |
| Outdoor to Indoor <sup>3</sup>        | 2 x 18          |
| Outdoor to Outdoor <sup>4</sup>       | 2 x 18          |
| Heat Exchanger Coating                | GoldFin™        |

**Compressor:**

|                          |            |
|--------------------------|------------|
| Inverter Scroll Quantity | 3          |
| Constant Scroll Quantity | 3          |
| Oil / Type               | PVE/FVC68D |

**Fan:**

|                                     |                                       |
|-------------------------------------|---------------------------------------|
| Type                                | Propeller                             |
| Quantity (a) + (b) + (c)            | 2 + 2 + 2                             |
| Motor/Drive                         | Brushless Digitally Controlled/Direct |
| Air Flow Rate (a) + (b) + (c) (CFM) | 6,700 + 6,700 + 6,700                 |

**Notes:**

1. The combination ratio must be between 50-130%.
2. Sound pressure levels are tested in an anechoic chamber under Korea Standard KSA0701 for the combination of outdoor units.
3. All communication cable to be minimum 18 AWG, 2-conductor, stranded, shielded and must comply with applicable local and national code. Cables terminate at each frame.
4. All communication cable to be minimum 18 AWG, 2-conductor, stranded and must comply with applicable local and national code. Cables terminate at each frame.
5. The data mentioned in the above tables is applied with non-ducted indoor units.
6. This data is rated 0 ft above sea level, with 25 ft of refrigerant line per indoor unit and a 0 ft level difference between outdoor and indoor units. All capacities are net with a combination ratio between 95 – 105%.
7. The voltage tolerance is ± 10%.
8. Power wiring cable size must comply with the applicable local and national code. Cables terminate at each frame.
9. Requires ARCNN20 and ARCNN30 connecting branch pipes to connect components.



Job Name/Location:

**ARUN290BT2**  
 Multi V™ Plus II  
 24.0 Ton Outdoor Unit

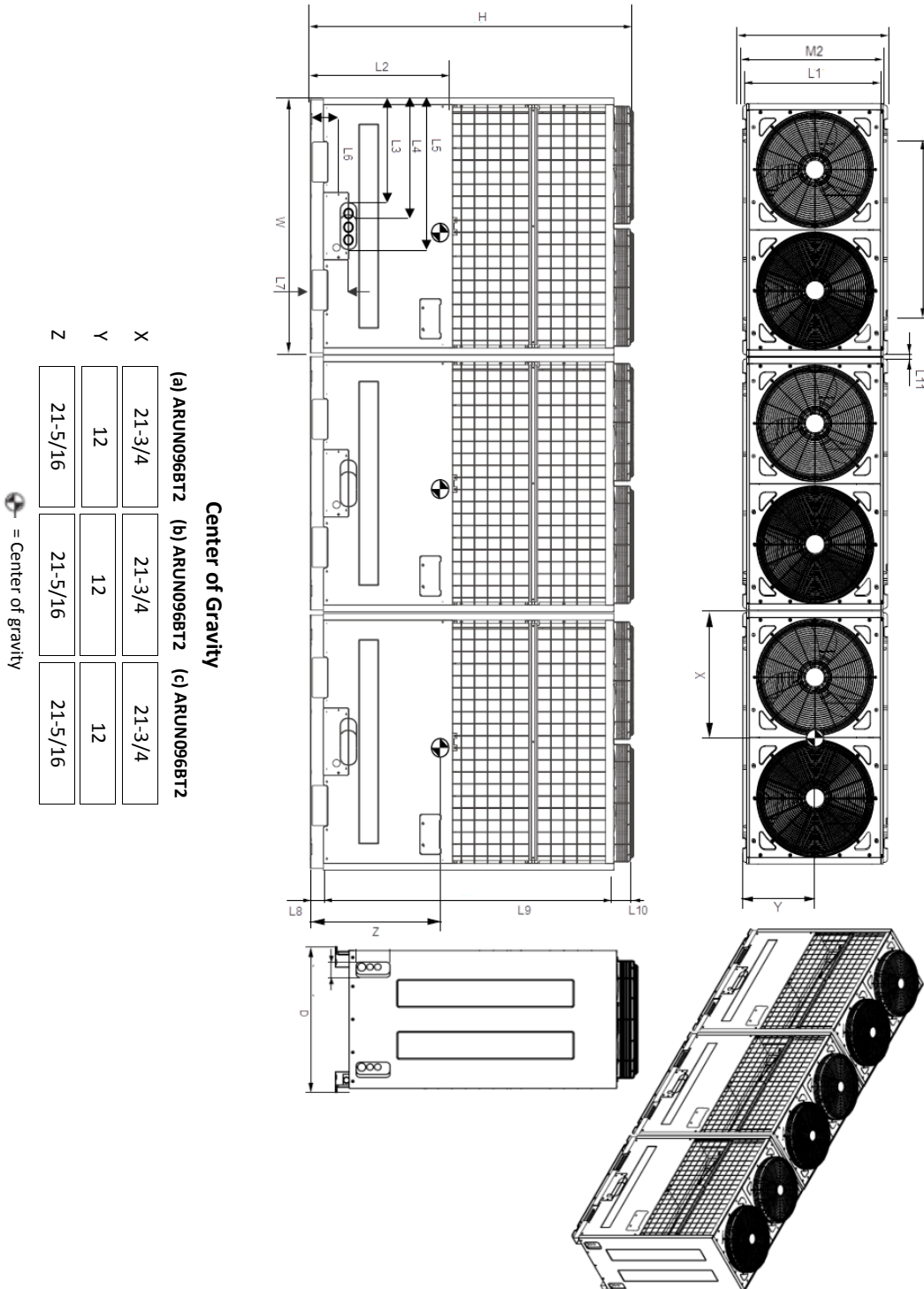
(a) ARUN096BT2  
 (b) ARUN096BT2  
 (c) ARUN096BT2



Tag #:

Date:

PO No.:



|   | (a) ARUN096BT2 | (b) ARUN096BT2 | (c) ARUN096BT2 |
|---|----------------|----------------|----------------|
| X | 21-3/4         | 21-3/4         | 21-3/4         |
| Y | 12             | 12             | 12             |
| Z | 21-5/16        | 21-5/16        | 21-5/16        |

Center of Gravity

⊙ = Center of Gravity

Note - All dimensions have a tolerance of ± 0.25 in.

|     |          |
|-----|----------|
| W   | 50-3/8   |
| H   | 63-5/16  |
| D   | 28-11/16 |
| L1  | 27-3/8   |
| L2  | 27-11/16 |
| L3  | 20-5/8   |
| L4  | 23       |
| L5  | 29-7/8   |
| L6  | 7-3/8    |
| L7  | 5-7/8    |
| L8  | 3-3/16   |
| L9  | 5-6-1/8  |
| L10 | 3-7/8    |
| M1  | 35-7/16  |
| M2  | 27-9/16  |