

Inverter Driven Heat Pump

12,000 BTU Single Zone Mid Static Duct System

Job Name \_\_\_\_\_  
 Location \_\_\_\_\_  
 Engineer \_\_\_\_\_  
 Submitted To \_\_\_\_\_  
 Submitted By \_\_\_\_\_  
 Reference \_\_\_\_\_

Date \_\_\_\_\_  
 Approval \_\_\_\_\_  
 Construction \_\_\_\_\_  
 Unit No \_\_\_\_\_  
 Drawing No \_\_\_\_\_

**PRODUCT FEATURES**

- Up To 0.8" WC
- Quiet Operation (as low as 24 db) Separately
- Automatic Static Pressure Detection
- Heating Operation Rated Down to -5 °F
- Built in Drain Pump
- Lineset Length up to 66ft
- Controls Sold Separately
- BACnet Compatible



| MODEL NUMBERS                       |             |  |              |
|-------------------------------------|-------------|--|--------------|
| Indoor Unit                         | ARUH12LUAS  |  |              |
| Outdoor Unit                        | AOUH12LUAS1 |  |              |
| System                              | 12LUAS1R    |  |              |
| EFFICIENCIES                        |             |  |              |
| SEER                                | 21.3        |  |              |
| SEER 2                              | 19.1        |  |              |
| EER                                 | 13.4        |  |              |
| EER 2                               | 12.5        |  |              |
| HSPF                                | 11.7        |  |              |
| HSPF 2 (IV) / HSPF 2 (V)            | 10.5/8.9    |  |              |
| COP                                 | kW/kW       | 3.9  |              |
| COP                                 | Btu/hW      | 13.3   |              |
| COP2                                | kW/kW       | 3.76   |              |
| COP2                                | Btu/hW      | 12.8   |              |
| OUTDOOR TEMPERATURE OPERATION RANGE |             |  |              |
| Cooling                             | *F(*C)      | 14 to 115 (-10 to 46)                          |              |
| Heating*                            |             | *-5 to 75 (-21 to 24)                          |              |
| CAPACITIES                          |             |  |              |
| Cooling                             | Rated       | Btu/h  | 12000        |
|                                     | Min.-Max.   |  | 3,100-13,600 |
| Heating                             | Rated       |  | 16000        |
|                                     | Min.-Max.   |  | 3,400-19,400 |
| LINESET REQUIREMENTS                |             |  |              |
| Connection Method                   | Flare       |  |              |
| Liquid                              | in (mm)     | Ø1/4 (Ø6.35)                                   |              |
| Gas                                 |             | Ø3/8 (Ø9.52)                                   |              |
| Pre-charge length                   | ft (m)      | 49 (15)  |              |
| Minimum Length                      |             | 16 (5)   |              |
| Max. length                         |             | 66 (20)  |              |
| Max. height difference              |             | 49 (15)  |              |
| INDOOR DIMENSIONS & WEIGHT          |             |  |              |
| Net (H x W x D)                     | in (mm)     | 11-13/16 x 27-9/16 x 27-9/16 (300 x 700 x 700) |              |
| Gross (H x W x D)                   |             | 15-3/4 x 36-15/16 x 34-7/16 (400 x 938 x 875)  |              |
| Net Weight                          | lb (kg)     | 66 (30)  |              |
| Gross Weight                        |             | 82 (37)  |              |
| OUTDOOR DIMENSIONS & WEIGHT         |             |  |              |
| Net (H x W x D)                     | in (mm)     | 24-7/8 x 31-7/16 x 11-7/16 (632 x 799 x 290)   |              |
| Gross (H x W x D)                   |             | 27-1/4 x 37 x 14-3/4 (692 x 940 x 375)         |              |
| Net Weight                          | lb (kg)     | 84 (38)  |              |
| Gross Weight                        |             | 95 (43)  |              |

\* System continues to operate below rated outdoor operation temperature range, subject to varying conditions. System has no low temperature cut out. Capacity is not tested outside of the rated temperature range.

**Warranty Information**



7 Year Compressor, 5 Year Parts out-of-the-box Warranty



10 Year Compressor, 10 Year Parts Warranty when registered within 60 days of installation in a residence



12 Year Compressor, 12 Year Parts Warranty when registered within 60 days of installation in a residence, and installed by a Fujitsu Elite contractor

**ACCESSORIES**

|            |   |
|------------|---|
| UTY-RNRUZ* | Wired Remote Controller                         |
| UTY-RSRY   | Simple Remote Controller                        |
| UTY-RHRY   | Simple Remote Controller                        |
| UTY-LBTUM  | IR Receiver Kit with Wireless Remote Controller |
| UTD-LFNC   | Long-life Filter                                |
| UTY-TFSXZ2 | WLAN Adapter                                    |
| UTY-VMSX   | Modbus Converter                                |
| UTY-TTRXZ1 | Thermostat Converter                            |
| UTY-TERX   | External Switch Controller                      |



This system combination is Energy Star qualified



+App available in Apple® App Store and Google® Play Store.



Due to continuous product improvements, specifications are subject to change without notice. Please log in to the Fujitsu Portal for the most up-to-date documentation <https://connect.fujitsugeneral.com>

Effective Date: 05/07/2024

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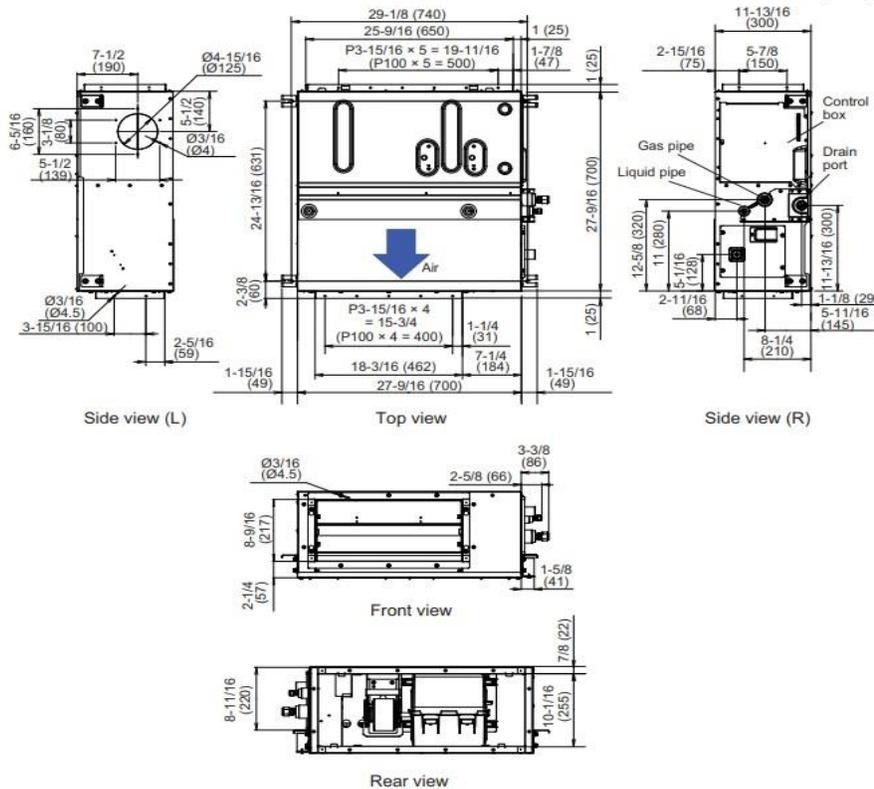
| FAN DATA                  |         |               |           |
|---------------------------|---------|---------------|-----------|
| Indoor Unit Airflow rate  | Cooling | HIGH          | 500 (850) |
|                           |         | MED           | 400 (680) |
|                           |         | LOW           | 347 (590) |
|                           |         | QUIET         | 300 (510) |
|                           | Heating | HIGH          | 500 (850) |
|                           |         | MED           | 400 (680) |
|                           |         | LOW           | 347 (590) |
|                           |         | QUIET         | 300 (510) |
| Outdoor Unit Airflow rate | Cooling | 1,171 (1,990) |           |
|                           | Heating | 1,089 (1,850) |           |
| SOUND PRESSURE            |         |               |           |
| Indoor Unit               | Cooling | HIGH          | 35        |
|                           |         | MED           | 30        |
|                           |         | LOW           | 27        |
|                           |         | QUIET         | 24        |
|                           | Heating | HIGH          | 35        |
|                           |         | MED           | 30        |
|                           |         | LOW           | 27        |
|                           |         | QUIET         | 24        |
| Outdoor Unit              | Cooling | 48            |           |
|                           | Heating | 49            |           |
| REFRIGERANT               |         |               |           |
| Type                      | R410A   |               |           |
| Charge                    | lb oz   | 2 lb 10 oz    |           |
|                           | g       | 1200          |           |
| Oil Type                  | RB68    |               |           |

| ELECTRICAL SPECIFICATIONS |              |                  |   |
|---------------------------|--------------|------------------|---|
| Voltage/Frequency/Phase   |              | 208/230 V~ 60 Hz |   |
| Available Voltage Range   |              | 187-253 V        |   |
| Current                   | Cooling      | Rated            | 4.3   |
|                           | Heating      | Rated            | 5.5   |
| Maximum Operating Current | Cooling      | A                | 9.8   |
|                           | Heating      |                  | 11.3  |
| Starting current          |              | 6.4              |   |
| MCA                       |              | 13.8             |   |
| Maximum Circuit Breaker   |              | 15               |   |
| Input Power               | Cooling      | Rated            | kW  |
|                           |              | Min.-Max.        |   |
|                           | Heating      | Rated            |   |
|                           |              | Min.-Max.        | 0.18-1.84                                   |
| Power Factor              | Cooling      | %                | 97.1  |
|                           | Heating      |                  | 98.8  |
| OTHER                     |              |                  |   |
| Moisture Removal          |              | pints/h (L/h)    | 1.5 (0.7)                                   |
| Energy Star               |              | Yes              |   |
| Drain hose                | Material     |                  | PVC   |
|                           | Tip diameter | in (mm)          | Ø13/16 (20.7) (I.D.), Ø1-1/16 (26.6) (O.D.) |
| Operation Range           | Cooling      | °F (°C)          | 64 to 90 (18 to 32)                         |
|                           | Heating      | %RH              | 80 or less                                  |
| Static pressure range     |              | °F (°C)          | 60 to 86 (16 to 30)                         |
|                           |              | inWG (Pa)        | 0.12 to 0.80 (30 to 200)                    |

DIMENSIONS:

Units: In. (mm)

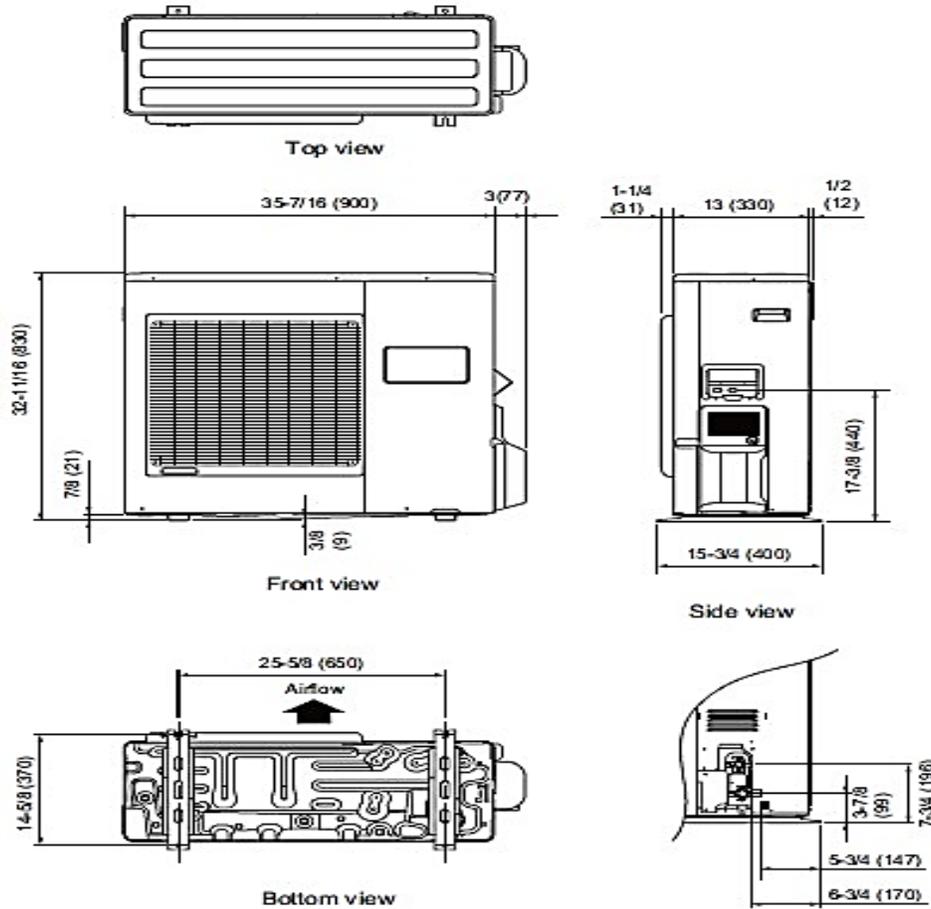
Indoor Unit:



DIMENSIONS

Units: In. (mm)

Outdoor Unit



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Note: Specifications are based on the following conditions:  
 Cooling: Indoor temperature of 80°F (26.7°C) DB/67°F (19.4°C) WB, and outdoor temperature of 95°F (35°C) DB/75°F (23.9°C) WB. Heating: Indoor temperature of 70°F (21.1°C) DB/60°F (15.6°C) WB, and outdoor temperature of 47°F (8.3°C) DB/43°F (6.1°C) WB. Pipe length: 25ft. (7.5m), Height difference: 0ft. (0m) (Outdoor unit - indoor unit).