

## Vertical Air Handler (12,000 BTU) Indoor Unit For Heat-recovery/Heat-pump Airstage VRF System

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

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

### FEATURES

- Quiet 3-speed fan
- Small foot print
- Adjustable Static pressure from 0.1 to 0.8 in.WG
- Easy access front panel
- Built-in standard MERV3 Filter
- Filter Size 16 × 22-¼ × 1
- Auxiliary heat operation capability
- 10 year Extended Warranty on parts and compressor. See Warranty Statement.



### STATIC PRESSURE

|                                       |                          |
|---------------------------------------|--------------------------|
| Static Pressure Range - in.WG [Pa]    | 0.10 to 0.70 [25 to 175] |
| Standard Static Pressure - in.WG [Pa] | 0.5 [125]                |

### CAPACITY

|                                 |              |
|---------------------------------|--------------|
| Capacity - Cooling - Btu/h [kW] | 12,000 [3.5] |
| Capacity - Heating - Btu/h [kW] | 13,000 [4]   |

### PIPING ACCESSORIES

|            |  |
|------------|--|
| UTP-AX090A | Separation Tube - 2-Pipe - 90 MBH or Less  |
| UTP-AX180A | Separation Tube - 2-Pipe - 91 to 180 MBH   |
| UTP-AX567A | Separation Tube - 2-Pipe - 180 MBH or More |

### ELECTRICAL

|                                    |                           |
|------------------------------------|---------------------------|
| Power Source                       | 208 / 230V, 1-Phase, 60Hz |
| Available Voltage Range - VAC      | 187 to 253                |
| Input Power - W                    | 87                        |
| Full Load Amps - FLA - A           | 1.4                       |
| Max Circuit Breaker - A            | 15                        |
| Minimum Circuit Ampacity - MCA - A | 1.75                      |
| Fuse - A (V)                       | 3.15 (250) + Fan 10 (250) |

### CONTROLLER

|            |   |
|------------|---|
| UTY-RNRUZ2 | Individual Touch Panel Controller (Wired Remote)    |
| UTY-RSRY   | Simple Remote (WITH Master Control) 2-Wire          |
| UTY-RHRY   | Simple Remote (WITHOUT Master Control) 2-Wire       |
| UTY-RHKU   | Simple Remote (WITHOUT Master Control) (1/16 units) |
| UTY-LNHU   | Wireless Remote Controller (requires IR Receiver)   |

### FAN

|                                    |              |
|------------------------------------|--------------|
| Fan Type                           | 1X (Sirocco) |
| Airflow Rate - High - CFM [m³/h]   | 394 [670]    |
| Airflow Rate - Medium - CFM [m³/h] | 347 [590]    |
| Airflow Rate - Low - CFM [m³/h]    | 306 [520]    |

|            |  |
|------------|--|
| UTY-DCGY   | Central Remote Controller (100 units)            |
| UTY-DTGYZ1 | Touch Panel Controller with Internet (400 units) |

### SOUND PRESSURE

|                              |          |
|------------------------------|----------|
| Sound Pressure Level - dB(A) | 37/39/41 |
|------------------------------|----------|

### ACCESSORIES

|          |                                |
|----------|--------------------------------|
| #N/A     | #N/A                           |
| UTY-XSZX | Remote Sensor for ducted units |

### WIRING

|                     |  |
|---------------------|--|
| Communication Cable | LonWorks (Fujitsu Pink Cable. See AE Bulletin 009) |
|---------------------|--|

### WEIGHT AND DIMENSIONS

|  |   |
|--|---|
| Enclosure - Net Weight - lbs [kg]        | 139 [63]  |
| Enclosure - Gross Weight - lbs [kg]      | 168 [77]  |
| Dimensions - Net (H x W x D) - in [mm]   | 51 × 17-11/16 × 23-13/16<br>[1,295 × 450 × 605] |
| Dimensions - Gross (H x W x D) - in [mm] | 58-1/2 × 24 × 30<br>[1,486 × 610 × 762]         |

### PIPING

|   |               |
|---|---------------|
| Connection Pipe Diameter - Liquid (Flare) - in [mm] | ø 1/4 [6.35]  |
| Connection Pipe Diameter - Gas (Flare) - in [mm]    | ø 1/2 [12.70] |
| Connection Pipe Diameter - Drain (ID; OD) - in [mm] | ø 3/4 [19.05] |
| Drain-Pump  | Optional      |

### ETL

|        |       |
|--------|-------|
| E.T.L. | 52439 |
|--------|-------|

### TEMPERATURE SETTINGS

|  |                     |
|--|---------------------|
| Operating Temp. Cooling (DB) - °F [°C] | 64 to 90 [18 to 32] |
| Operating Temp. Heating (DB) - °F [°C] | 50 to 86 [10 to 30] |

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).



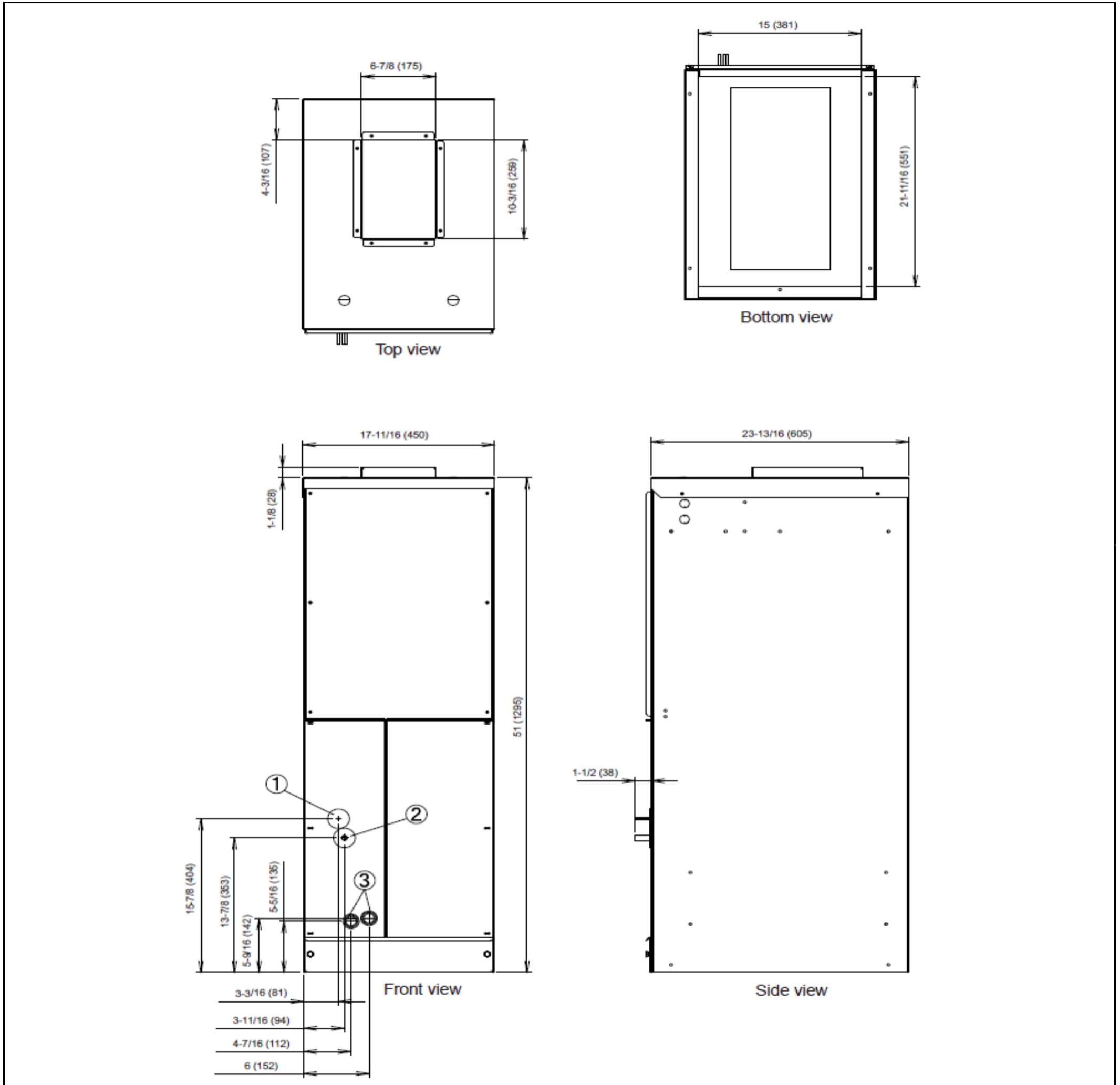
Fujitsu General America, Inc.  
 353 Route 46 West  
 Fairfield, NJ 07004  
 Toll Free: (888) 888-3424  
 Fax: (973) 836-0453  
 www.airstagevrf.com

SUBMITTAL ARUV12TLAV

Vertical Air Handler (12,000 BTU) Indoor Unit  
For Heat-recovery/Heat-pump Airstage VRF System

DIMENSIONS

Unit: In. (mm)



Fujitsu General America, Inc.  
353 Route 46 West  
Fairfield, NJ 07004  
Toll Free: (888) 888-3424  
Fax: (973) 836-0453  
www.airstagevrf.com