

Inverter Driven Heat Pump

18,000 BTU Single Zone Circular Flow Cassette

Job Name _____
Location _____
Engineer _____
Submitted To _____
Submitted By _____
Reference _____

Date _____
Approval _____
Construction _____
Unit No _____
Drawing No _____

PRODUCT FEATURES

- 360° Circular flow distributes air more evenly around the room
- Seamless Airflow Louver
- Optional human sensor detects room occupancy for energy savings
- Quiet Operation (as low as 28 db)
- Lineset Length up to 98ft
- Grille available in White (UTG-GCGF) or Black (UTG-LCGVCB), sold separately



MODEL NUMBERS

| | |
|--------------|-------------|
| Indoor Unit | AUUH18LUAS |
| Outdoor Unit | AOUH18LUAS1 |
| System | 18LUAS1U |

EFFICIENCIES

| | | | |
|--------------------------|--------|--|----------|
| SEER | | | -- |
| SEER 2 | | | 23.5 |
| EER | | | -- |
| EER 2 | | | 13 |
| HSPF | | | -- |
| HSPF 2 (IV) / HSPF 2 (V) | | | 11.2/9.2 |
| COP | kW/kW | | -- |
| COP | Btu/hW | | -- |
| COP2 | kW/kW | | 3.6 |
| COP2 | Btu/hW | | 12.3 |

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 | 18000 |
| | Min.—Max. | | 3,100–20,100 |
| Heating | Rated | Btu/h | 21600 |
| | Min.—Max. | | 3,100–25,600 |

LINESET REQUIREMENTS

| | | |
|------------------------|---------|---------------|
| Connection Method | | Flare |
| Liquid | in (mm) | Ø1/4 (Ø6.35) |
| Gas | | Ø1/2 (Ø12.70) |
| Pre-charge length | ft (m) | 66 (20) |
| Minimum Length | | 16 (5) |
| Max. length | | 98 (30) |
| Max. height difference | | 49 (15) |

INDOOR DIMENSIONS & WEIGHT

| | | |
|-------------------|---------|---|
| Net (H x W x D) | in (mm) | 9-11/16 x 33-1/16 x 33-1/16 (246 x 840 x 840) |
| Gross (H x W x D) | | 11-3/4 x 37-3/8 x 38-3/16 (298 x 950 x 970) |
| Net Weight | lb (kg) | 53 (24) |
| Gross Weight | | 64 (29) |

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) | 86 (39) |
| 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-Series | Wired Remote Controller |
| UTY-RSRY | Simple Remote Controller |
| UTY-RHRY | Simple Remote Controller |
| UTY-LBTUC | IR Receiver Kit with Wireless Remote Controller |
| UTG-GCGF | Cassette Grille |
| UTG-LCGVCB | Cassette Grille |
| UTY-TFSXJ4 | WLAN Adapter |
| UTY-VMSX | Modbus Converter |
| UTY-VKSX | KNX Converter |
| UTY-TTRXZ1 | Thermostat Converter |
| UTY-VTGX | Network Converter |
| UTY-TERX | External Switch Controller |
| UTY-SHZXC | Human Sensor Kit |
| UTY-XWZXZG | External Connect Kit |
| UTR-YDZK | Air Outlet Shutter Plate |
| UTG-AKXA-W | Wide Panel |
| UTG-BKXA-W | Panel Spacer |
| UTZ-VXRA | Fresh Air Intake Kit |
| UTZ-KXRA | Insulation Kit for High Humidity |
| UTY-XCSX | External Input and Output PCB |
| UTZ-GXRA | External Input and Output PCB Box |

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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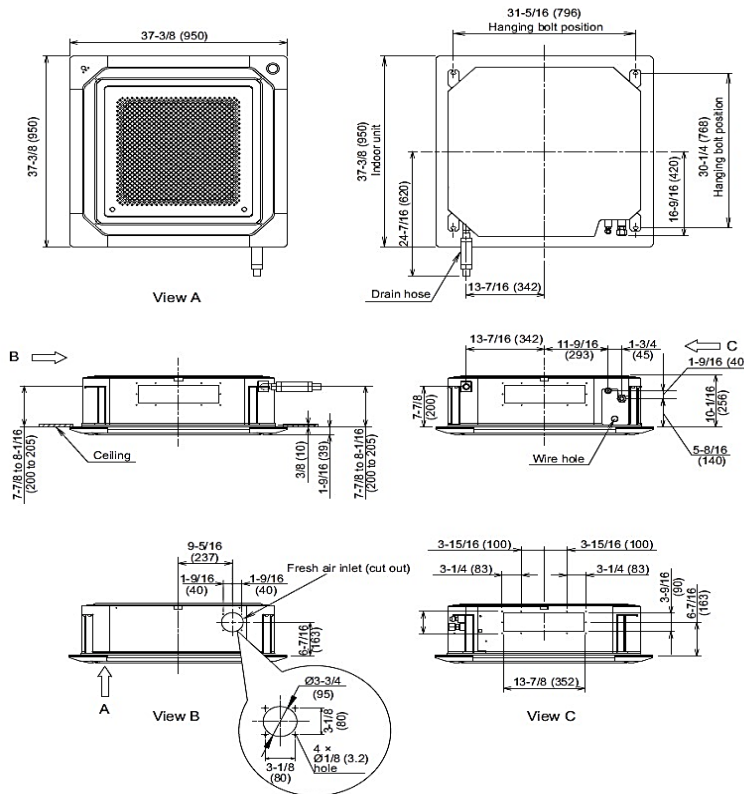
| FAN DATA | | | | |
|---------------------------|---------|-------|------------|---------------|
| Indoor Unit Airflow rate | Cooling | HIGH | CFM (m3/h) | 618 (1,050) |
| | | MED | | 565 (960) |
| | | LOW | | 530 (900) |
| | | QUIET | | 459 (780) |
| | Heating | HIGH | | 618 (1,050) |
| | | MED | | 565 (960) |
| | | LOW | | 530 (900) |
| | | QUIET | | 459 (780) |
| Outdoor Unit Airflow rate | Cooling | | | 1,395 (2,370) |
| | Heating | | | 1,460 (2,480) |
| SOUND PRESSURE | | | | |
| Indoor Unit | Cooling | HIGH | dB (A) | 34 |
| | | MED | | 32 |
| | | LOW | | 31 |
| | | QUIET | | 28 |
| | Heating | HIGH | | 34 |
| | | MED | | 32 |
| | | LOW | | 31 |
| | | QUIET | | 28 |
| Outdoor Unit | Cooling | | | 52 |
| | Heating | | | 55 |
| REFRIGERANT | | | | |
| Type | | | | R410A |
| Charge | lb oz | | | 2 lb 12 oz |
| | g | | | 1250 |
| Oil Type | | | | POE (RB68) |

| ELECTRICAL SPECIFICATIONS | | | | |
|---------------------------|--------------|------------------|--|-----------|
| Voltage/Frequency/Phase | | 208/230 V~ 60 Hz | | |
| Available Voltage Range | | 187–253 V | | |
| Current | Cooling | Rated | A | 6.1 |
| | Heating | Rated | | 7.8 |
| Maximum Operating Current | | Cooling | | 11.8 |
| | | Heating | | 14.8 |
| Starting current | | | | 8.1 |
| MCA | | | | 18.1 |
| Maximum Circuit Breaker | | | | 20 |
| Input Power | Cooling | Rated | kW | 1.38 |
| | | Min.–Max. | | 0.13–1.94 |
| | Heating | Rated | | 1.76 |
| | | Min.–Max. | | 0.14–2.70 |
| Power Factor | Cooling | | % | 98.1 |
| | Heating | | | 98.3 |
| OTHER | | | | |
| Moisture Removal | | pints/h (L/h) | 3.6 (1.7) | |
| Energy Star | | | No | |
| Drain hose | Material | | PVC | |
| | Tip diameter | in (mm) | Ø1/2 (Ø13.0) (I.D.) Ø5/8 to Ø11/16 (Ø16.0 to Ø16.7) | |
| Operation Range | Cooling | °F (°C) | 64 to 90 (18 to 32) | |
| | | %RH | 80 or less | |
| | Heating | °F (°C) | 60 to 86 (16 to 30) | |

DIMENSIONS:

Indoor Unit

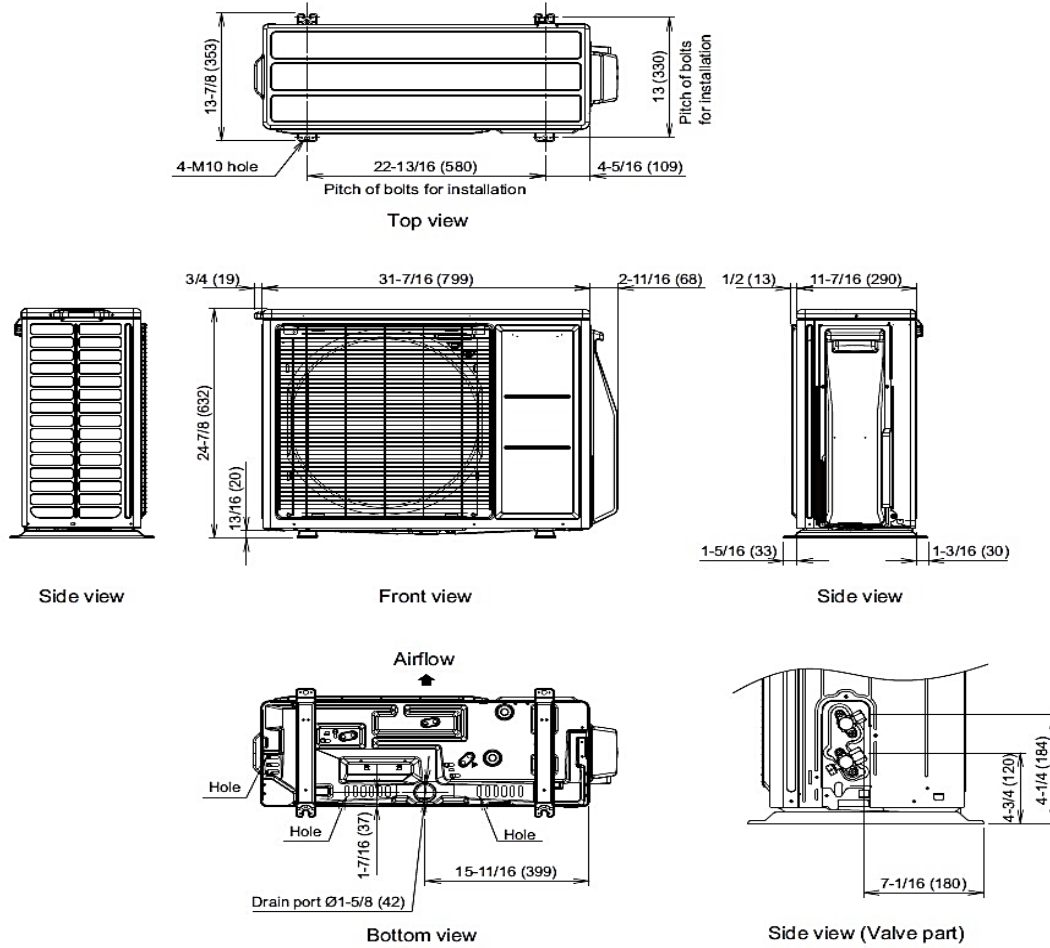
Units: In. (mm)



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).