

Inverter Driven Heat Pump

36,000 BTU Multi Position AHU

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

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

PRODUCT FEATURES

Up to 1.0" WC
2-Wire Wired Remote Controls
Aluminum Indoor Unit Coil
True four position : Up,Down,Right/Left
Long Lineset Lengths (up to 246')
Low Air Leakage Rate (2% or less)
Built in Base Pan Heater
Heating operation rated down to -15°F outdoor temperature
Integral Electric Heat Kit - Optional
Airzone Zoning Kit - Optional



| MODEL NUMBERS | | | |
|-------------------------------------|-----------|---|---------------|
| Indoor Unit | | AMUG36LMAS | |
| Outdoor Unit | | AOUH36LMAH1 | |
| System | | 36LMAH1M | |
| EFFICIENCIES | | | |
| SEER | | 17.3 | |
| SEER 2 | | 17.1 | |
| EER | | 11.5 | |
| EER 2 | | 11 | |
| HSPF | | 11 | |
| HSPF 2 (IV) / HSPF 2 (V) | | 10.4/8.6 | |
| 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) | -5 to 115 (-21 to 46) | |
| Heating* | | *-15 to 75 (-26 to 24) | |
| CAPACITIES | | | |
| Cooling | Rated | Btu/h | 33000 |
| | Min.—Max. | | 13,000—39,000 |
| Heating | Rated | | 38000 |
| | Min.—Max. | | 15,000—52,000 |
| LINESET REQUIREMENTS | | | |
| Connection Method | | Flare | |
| Liquid | in (mm) | Ø 3/8 (Ø 9.52) | |
| Gas | | Ø 5/8 (Ø 15.88) | |
| Pre-charge length | ft (m) | 98 (30) | |
| Minimum Length | | 16 (5) | |
| Max. length | | 246 (75) | |
| Max. height difference | | 98 (30) | |
| INDOOR DIMENSIONS & WEIGHT | | | |
| Net (H × W × D) | in (mm) | 57 × 21 × 21-11/16 | |
| Gross (H × W × D) | | 57-1/8 × 23 × 26-1/2 | |
| Net Weight | lb (kg) | 132 (60.0) | |
| Gross Weight | | 146 (66.0) | |
| OUTDOOR DIMENSIONS & WEIGHT | | | |
| Net (H × W × D) | in (mm) | 52-1/2 × 38-3/16 × 14-9/16 | |
| Gross (H × W × D) | | 59-5/16 × 41-7/8 × 18-13/16 (1,506 × 1,064 × 478) | |
| Net Weight | lb (kg) | 236 (107) | |
| Gross Weight | | 260 (118) | |

* 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-LBTUM | IR Receiver Kit with Wireless Remote Controller |
| UTY-XSZX | Remote Sensor Unit |
| UTY-XWZXZG | External Connect Kit |
| UTY-XCSX | External Input and Output PCB |
| UTY-XWZXZI | Wire Kit |
| UTY-VTGX | Network Converter |
| UTY-TTRXZ1 | Thermostat Converter |
| UTY-VMSX | Modbus Converter |

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: 04/18/2024

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FAN DATA

| | | | | |
|---------------------------|---------|-------|------------|---------------|
| Indoor Unit Airflow rate | Cooling | HIGH | CFM (m3/h) | 1,200 (2,039) |
| | | MED | | 740 (1,257) |
| | | LOW | | 590 (1,002) |
| | | QUIET | | 490 (833) |
| | Heating | HIGH | | 1,200 (2,039) |
| | | MED | | 740 (1,257) |
| | | LOW | | 590 (1,002) |
| | | QUIET | | 490 (833) |
| Outdoor Unit Airflow rate | Cooling | | | 3,767 (6,400) |
| | Heating | | | 3,649 (6,200) |

SOUND PRESSURE

| | | | | |
|--------------|---------|-------|--------|----|
| Indoor Unit | Cooling | HIGH | dB (A) | 41 |
| | | MED | | 30 |
| | | LOW | | 27 |
| | | QUIET | | 24 |
| | Heating | HIGH | | 40 |
| | | MED | | 35 |
| | | LOW | | 28 |
| | | QUIET | | 26 |
| Outdoor Unit | Cooling | | | 52 |
| | Heating | | | 53 |

REFRIGERANT

| | | | |
|----------|------------|------------|--|
| Type | R410A | | |
| Charge | lb oz | 10 lb 9 oz | |
| | g | 4800 | |
| Oil Type | POE (RB68) | | |

ELECTRICAL SPECIFICATIONS

| | | | | |
|---------------------------|---------|-------------------|----|-----------|
| Voltage/Frequency/Phase | | 208/230 V ~ 60 Hz | | |
| Available Voltage Range | | 187–253 V | | |
| Current | Cooling | Rated | A | 13.4 |
| | Heating | Rated | | 13.2 |
| Maximum Operating Current | Cooling | | | 23.9 |
| | Heating | | | 32.9 |
| Starting current | | | | 12.8 |
| MCA | | | | 38.7 |
| Maximum Circuit Breaker | | | | 40 |
| Input Power | Cooling | Rated | kW | 3 |
| | | Min.–Max. | | 0.85–3.66 |
| | Heating | Rated | | 2.96 |
| | | Min.–Max. | | 0.90–4.96 |
| Power Factor | Cooling | | % | 97.3 |
| | Heating | | | 97.5 |

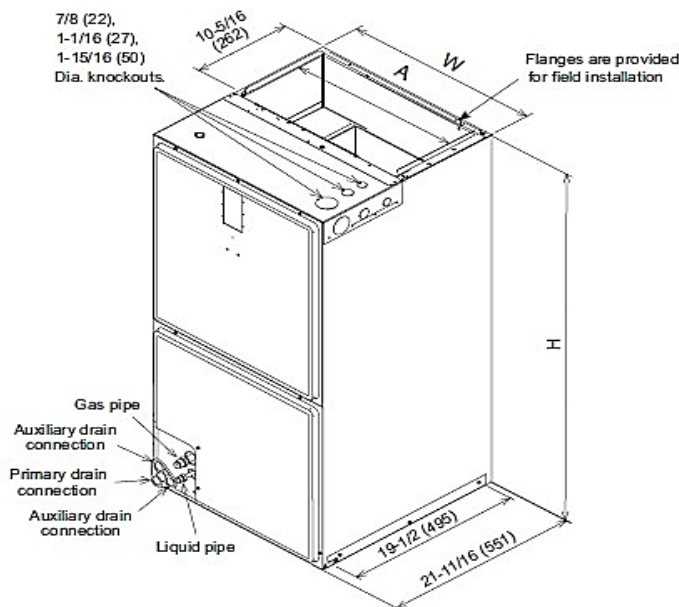
OTHER

| | | | |
|-----------------------|--------------|---------------|--|
| Moisture Removal | | pints/h (L/h) | 6.6 (3.1) |
| Energy Star | | | No |
| Drain hose | Material | | LDPE |
| | Tip diameter | in (mm) | Ø1/2 (13.0) [I.D.], Ø5/8 to Ø11/16 (16.0 to 16.7) [O.D.] |
| Operation Range | Cooling | °F (°C) | 64 to 90 (18 to 32) |
| | Heating | %RH | — |
| Static pressure range | | °F (°C) | 60 to 86 (16 to 30) |
| | | inWG (Pa) | 0.08 to 1 (20 to 250) |

DIMENSIONS:

Units: In. (mm)

Indoor Unit:



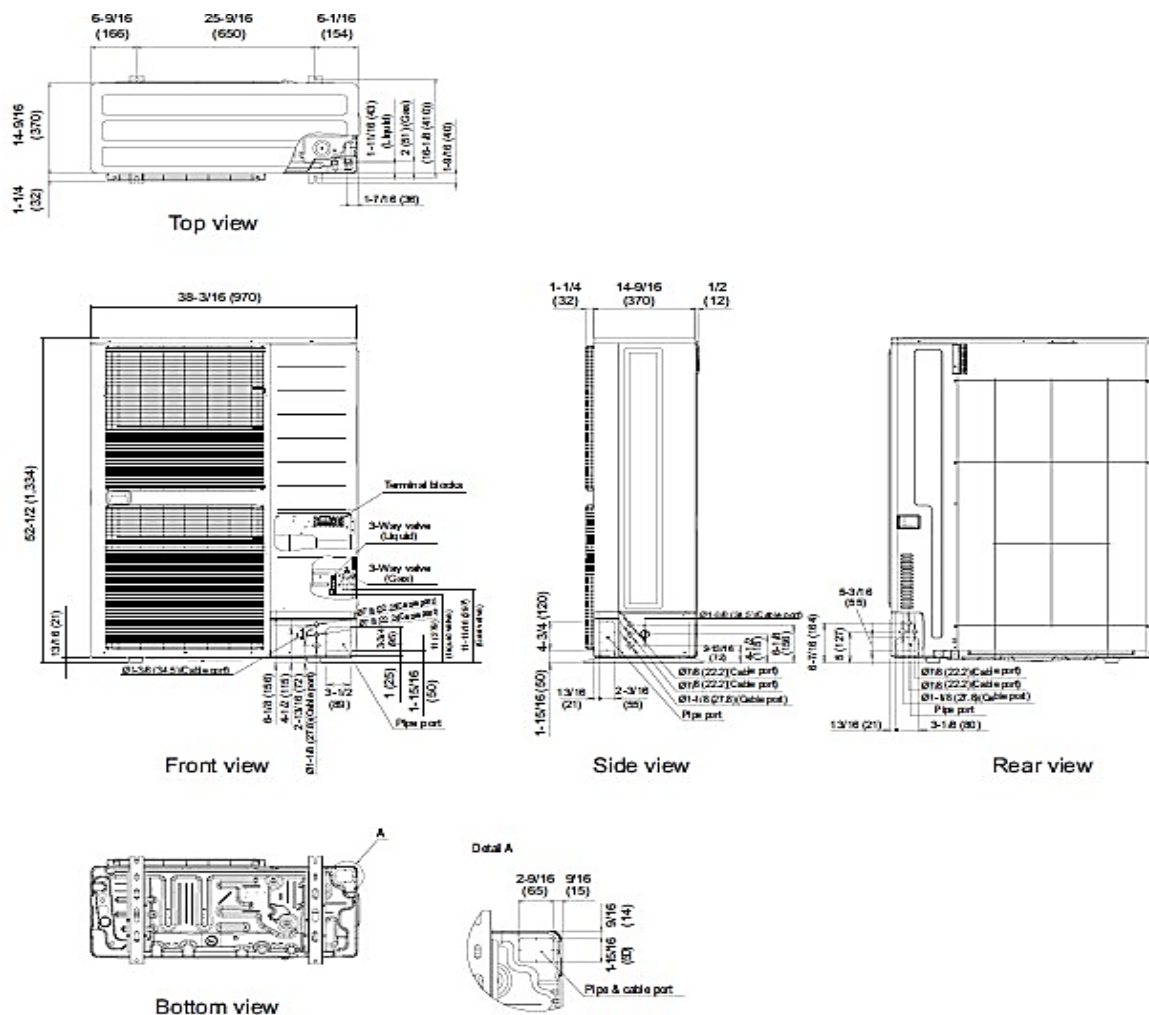
| Model | A (Supply duct) | W (Unit width) | H (Unit height) |
|------------|-----------------|----------------|-----------------|
| AMUG36LMAS | 19-1/2 (495) | 21 (533) | 57 (1,448) |

| Return Opening Dimensions | |
|---------------------------|--------|
| Width | Depth |
| 19 3/8 | 19 3/4 |

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).

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Electric Heat Kit

For 3 Ton System:

| HEATER PART # | STAGE | VOLTAGE | PH/HZ | HEATER KW | HEATER AMPS | DESCRIPTION |
|-----------------|--------|---------|-------|------------|-------------|--|
| RXBH-1724A03J-A | SINGLE | 208/240 | 1/60 | 2.25 / 3.0 | 10.8 / 12.5 | 3 KW ELECTRIC HEAT KIT WITH BREAKER 208/230 1PH |
| RXBH-1724A05J-A | SINGLE | 208/240 | 1/60 | 3.6 / 4.8 | 17.3 / 20.0 | 5 KW ELECTRIC HEAT KIT WITH BREAKER 208/230 1PH |
| RXBH-1724A07J-A | SINGLE | 208/240 | 1/60 | 5.4 / 7.2 | 26.0 / 30.0 | 7 KW ELECTRIC HEAT KIT WITH BREAKER 208/230 1PH |
| RXBH-1724A10J-A | SINGLE | 208/240 | 1/60 | 7.2 / 9.6 | 34.6 / 40.0 | 10 KW ELECTRIC HEAT KIT WITH BREAKER 208/230 1PH |
| RXBH-1724B05J-A | SINGLE | 208/240 | 1/60 | 3.6 / 4.8 | 17.3 / 20.0 | 5 KW ELECTRIC HEAT KIT NO BREAKER 208/230 1PH |
| RXBH-1724B07J-A | SINGLE | 208/240 | 1/60 | 5.4 / 7.2 | 26.0 / 30.0 | 7 KW ELECTRIC HEAT KIT NO BREAKER 208/230 1PH |
| RXBH-1724B10J-A | SINGLE | 208/240 | 1/60 | 7.2 / 9.6 | 34.6 / 40.0 | 10 KW ELECTRIC HEAT KIT NO BREAKER 208/230 1PH |
| RXBH-1724C05J-A | SINGLE | 208/240 | 1/60 | 3.6 / 4.8 | 17.3 / 20.0 | HTR KIT-5KW 208/230/1/60 (PULL OUT DISCONNECT) |
| RXBH-1724C07J-A | SINGLE | 208/240 | 1/60 | 5.4 / 7.2 | 26.0 / 30.0 | HTR KIT-7KW 208/230/1/60 (PULL OUT DISCONNECT) |
| RXBH-1724C10J-A | SINGLE | 208/240 | 1/60 | 7.2 / 9.6 | 34.6 / 40.0 | HTR KIT-10KW 208/230/1/60 (PULL OUT DISCONNECT) |

Accessories:

| Model # | Description |
|----------|--|
| RXHB-21 | COMBUSTIBLE FLOOR BASE 21" |
| RXHF-21 | EXTERNAL FILTER BASE FOR FAN COILS - 21" |
| RXBJ-A21 | JUMPER BAR (USED WITH 13kW OR LARGER HEATER KIT) |