

## Inverter Driven Heat Pump

48,000 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		AMUG48LMA5	
Outdoor Unit		AOUH48LMAH1	
System		48LMAH1M	
EFFICIENCIES			
SEER		16.3	
SEER 2		16.6	
EER		9.1	
EER 2		8.8	
HSPF		10.2	
HSPF 2 (IV) / HSPF 2 (V)		10/8.1	
COP	kW/kW		3.5
COP	Btu/hW		12.1
COP2	kW/kW		3.6
COP2	Btu/hW		12.4
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	45500
	Min.—Max.		13,000—50,000
Heating	Rated		51000
	Min.—Max.		15,000—55,000
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-XWZXZJ	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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## 48,000 BTU Multi Position AHU

ELECTRICAL SPECIFICATIONS					
Voltage/Frequency/Phase		208/230 V ~ 60 Hz			
Available Voltage Range		187–253 V			
Current	Cooling	Rated	A	22.9	
	Heating	Rated		18.8	
Maximum Operating Current		Cooling		28.9	
		Heating		35.9	
Starting current				22.2	
MCA				42.4	
Maximum Circuit Breaker			45		
Input Power	Cooling	Rated	kW	5.17	
		Min.–Max.		0.85–6.00	
	Heating	Rated		4.22	
		Min.–Max.		0.90–5.41	
Power Factor	Cooling			%	98.2
	Heating				97.6
OTHER					
Moisture Removal		pints/h (L/h)	9.3 (4.4)		
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)		
		%RH	–		
Static pressure range	Heating	°F (°C)	60 to 86 (16 to 30)		
		inWG (Pa)	0.08 to 1 (20 to 250)		

## Units: In. (mm)

Technical drawing of the 300 Series Gas Water Heater showing dimensions and connection points. The drawing includes the following labels and dimensions:

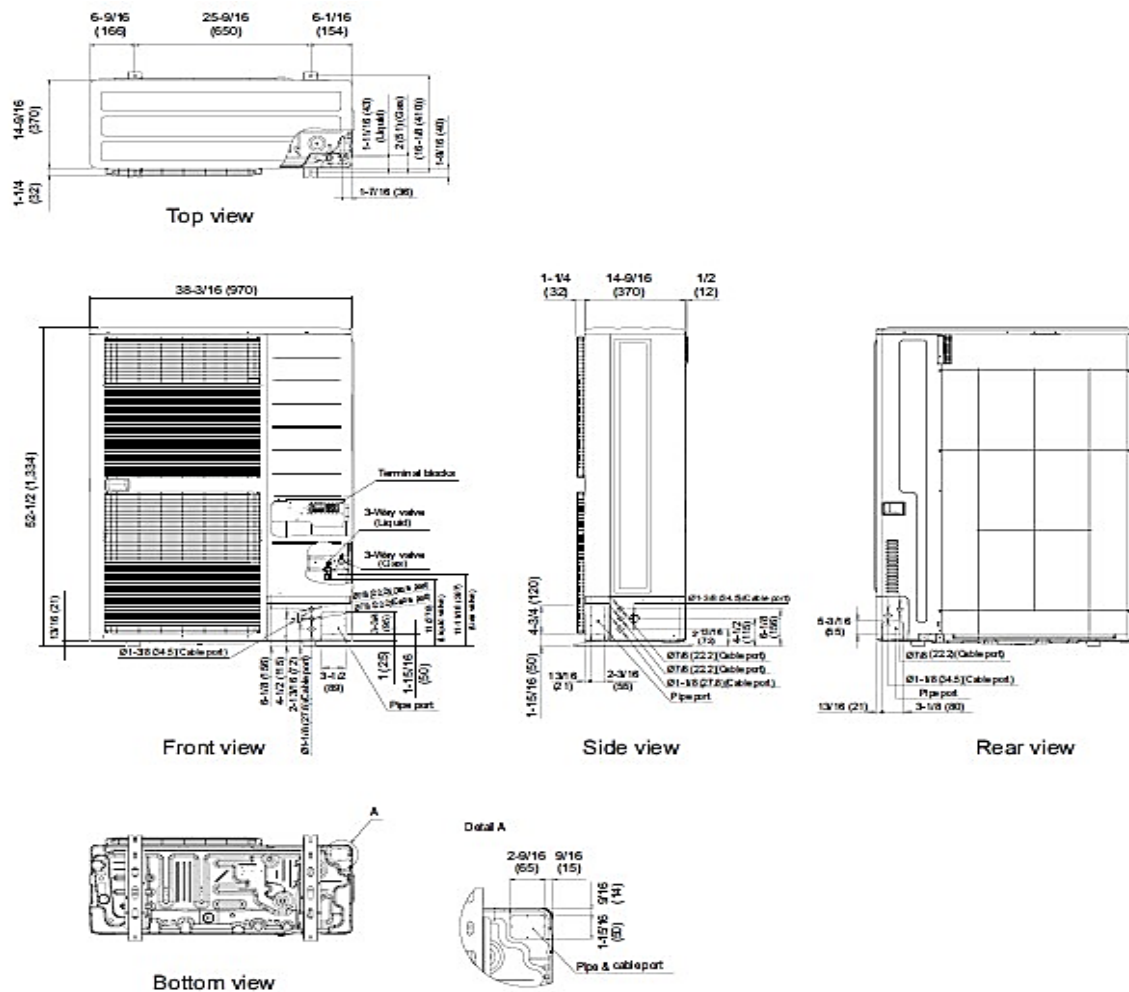
- Dimensions:**
  - Top width: 10-5/16 (262)
  - Top depth: 19-1/2 (495)
  - Bottom depth: 21-11/16 (551)
  - Height: H
  - Top width segments: A, W
- Connections (Bottom Left):**
  - Gas pipe
  - Auxiliary drain connection
  - Primary drain connection
  - Auxiliary drain connection
  - Liquid pipe
- Other Labels:**
  - 7/8 (22), 1-1/16 (27), 1-15/16 (50) Dia. knockouts
  - Flanges are provided for field installation

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).

### Electric Heat Kit

For 4 Ton System:

HEATER PART #	STAGE	VOLTAGE	PH/HZ	HEATER KW	HEATER AMPS	DESCRIPTION
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-1724A15J-A	SINGLE	208/240	1/60	10.8 / 14.4	51.9 / 60.0	15 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)