

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
- All Aluminum Coil
- Heating operation rated down to -5°F outdoor temperature
- Long Lineset Lengths (up to 230')
- Integral Electric Heat Kit (Optional)
- Low Air Leakage Rate (2% or less)



MODEL NUMBERS			
Indoor Unit	AMUG48LMAS		
Outdoor Unit	AOUG48LMAS1		
System	48LMAS1		
EFFICIENCIES			
SEER	17		
SEER 2	16.2		
EER	8.2		
EER 2	8.2		
HSPF	10.2		
HSPF 2 (IV) / HSPF 2 (V) 2	9.2/7.2		
COP	kW/kW	2.9	
COP	Btu/hW	9.9	
COP2	kW/kW	2.86	
COP2	Btu/hW	9.9	
OUTDOOR TEMPERATURE OPERATION RANGE			
Cooling	*F(*C)	14 to 115 (-10 to 46)	
Heating*		*5 to 75 (-15 to 24)	
CAPACITIES			
Cooling	Rated	Btu/h	45600
	Min.-Max.		13,000-48,000
Heating	Rated		53000
	Min.-Max.		11,000-54,000
LINESET REQUIREMENTS			
Connection Method		Flare	
Liquid	in (mm)	Ø3/8 (9.52)	
Gas		Ø5/8 (15.88)	
Pre-charge length	ft (m)	98 (30)	
Minimum Length		16 (5)	
Max. length		230 (70)	
Max. height difference		98 (30)	
INDOOR DIMENSIONS & WEIGHT			
Net (H x W x D)	in (mm)	57 x 21 x 21- 11/16	
Gross (H x W x D)		57- 1/8 x 23 x 26- 1/2	
Net Weight	lb (kg)	132 (60)	
Gross Weight		146 (66)	
OUTDOOR DIMENSIONS & WEIGHT			
Net (H x W x D)	in (mm)	39-5/16 x 38-3/16 x 14-9/16	
Gross (H x W x D)		45-12/16 x 41-14/16 x 18-13/16 (1,162 x 1,064 x 478)	
Net Weight	lb (kg)	198 (90)	
Gross Weight		220 (100)	

* 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

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

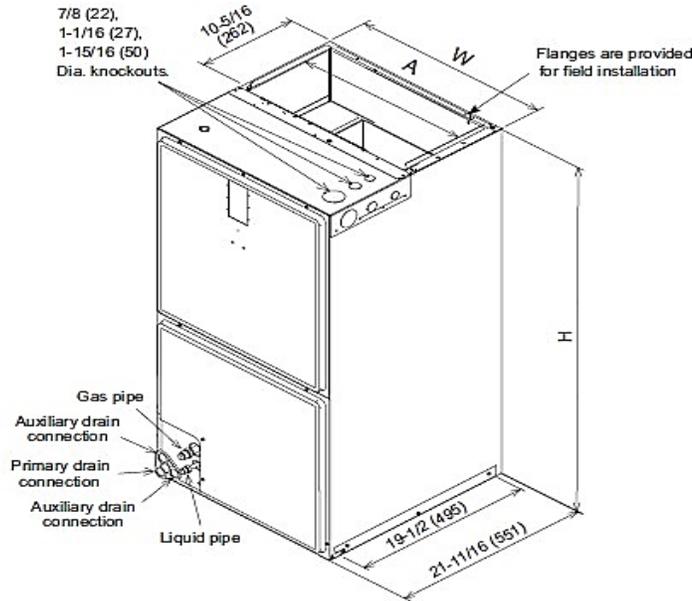
FAN DATA				
Indoor Unit Airflow rate	Cooling	HIGH	CFM (m3/h)	1,640 (2,786)
		MED		1,020 (1,733)
		LOW		820 (1,393)
		QUIET		590 (1,002)
	Heating	HIGH		1,640 (2,786)
		MED		1,020 (1,733)
		LOW		820 (1,393)
		QUIET		590 (1,002)
Outdoor Unit Airflow rate	Cooling		2,590 (4,400)	
	Heating		2,590 (4,400)	
SOUND PRESSURE				
Indoor Unit	Cooling	HIGH	dB (A)	48
		MED		36
		LOW		31
		QUIET		25
	Heating	HIGH		47
		MED		37
		LOW		32
		QUIET		29
Outdoor Unit	Cooling		54	
	Heating		55	
REFRIGERANT				
Type				R410A
Charge	lb oz			9 lb 8 oz
	g			4300
Oil Type				POE (RB68)

ELECTRICAL SPECIFICATIONS					
Voltage/Frequency/Phase		208/230 V ~ 60 Hz			
Available Voltage Range		187–253 V			
Current	Cooling	Rated	A	24.4	
	Heating	Rated		23.8	
Maximum Operating Current	Cooling			32.4	
	Heating			32.4	
Starting current		20.1			
MCA		39.9			
Maximum Circuit Breaker		40			
Input Power	Cooling	Rated		kW	5.56
		Min.–Max.	0.85–5.94		
	Heating	Rated	5.43		
		Min.–Max.	0.67–5.42		
Power Factor	Cooling			99.1	
	Heating			99.2	
OTHER					
Moisture Removal		pints/h (L/h)	4.6 (2.2)		
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	Cooling	°F (°C)	60 to 86 (16 to 30)		
	Heating	inWG (Pa)	0.08 to 1 (20 to 250)		

DIMENSIONS:

Units: In. (mm)

Indoor Unit:



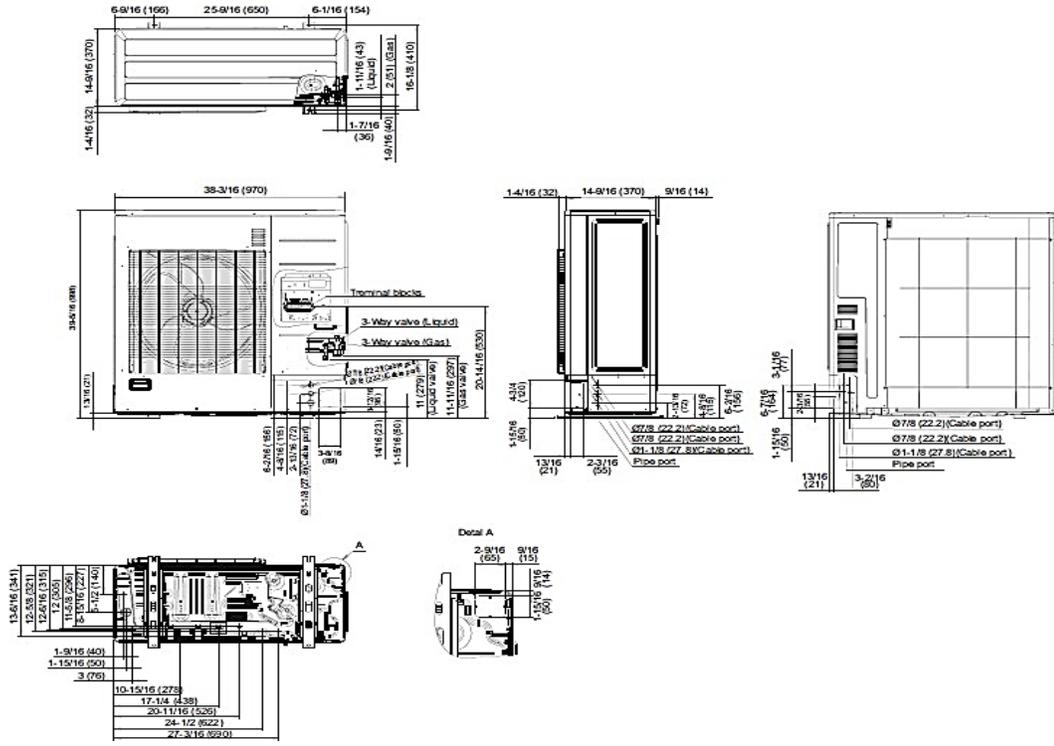
Model	A (Supply duct)	W (Unit width)	H (Unit height)
AMUG48LMAS	19-1/2 (495)	21 (533)	57 (1,448)

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).

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)