

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	14 to 115 (-10 to 46)
Heating*	*F(°C) *5 to 75 (-15 to 24)

CAPACITIES	
Cooling	Rated 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	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

Effective Date: 04/18/2024

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>

Fujitsu General America, Inc. • 342 Changebridge Rd, Pine Brook, NJ 07058 • Toll Free: (888) 888-3424 • www.fujitsugeneral.com

Inverter Driven Heat Pump

48,000 BTU Multi Position AHU

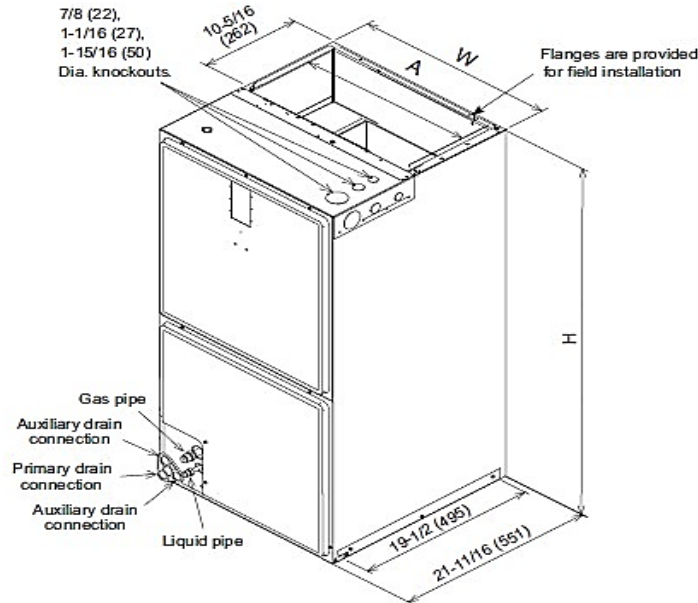
FAN DATA				
Indoor Unit Airflow rate	Cooling	HIGH	CFM (m3/h)	1,640 (2,786)
		MED		1,020 (1,733)
		LOW		820 (1,393)
		QUIET		590 (1,002)
	Heating	HIGH		1,640 (2,786)
		MED		1,020 (1,733)
		LOW		820 (1,393)
		QUIET		590 (1,002)
Outdoor Unit Airflow rate	Cooling			2,590 (4,400)
	Heating			2,590 (4,400)
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)	
		%RH	–	
	Heating	°F (°C)	60 to 86 (16 to 30)	
Static pressure range		inWG (Pa)	0.08 to 1 (20 to 250)	

DIMENSIONS:

Units: In. (mm)

Indoor Unit:



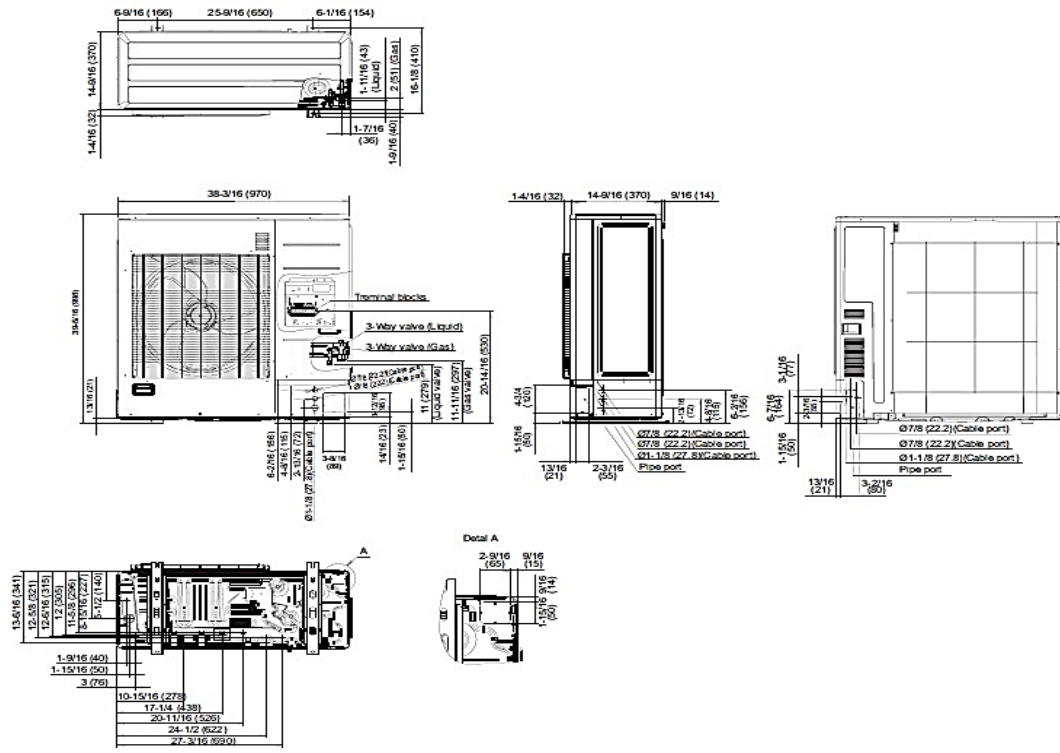
Model	A (Supply duct)	W (Unit width)	H (Unit height)
AMUG48LMAS	19-1/2 (495)	21 (533)	57 (1,448)

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

DIMENSIONS

Units: In. (mm)

Outdoor Unit



The Fujitsu logo is a worldwide trademark of Fujitsu General Limited. The Airstage logo and name is a worldwide trademark of Fujitsu General Limited and is a registered trademark in Japan, the USA and other countries or areas. Copyright 2024 Fujitsu General America, Inc. Fujitsu's products are subject to continuous improvements. Fujitsu reserves the right to modify product design, specifications and information in this brochure without notice and without incurring any obligations.

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).

Inverter Driven Heat Pump

48,000 BTU Multi Position AHU

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)