

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	AMUG48LMAS		
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	10		
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	°F(°C)		-15 to 75 (-26 to 24)
CAPACITIES			
Cooling	Rated	Btu/h	45500
	Min.–Max.		13,000–50,000
Heating	Rated	Btu/h	51000
	Min.–Max.		15,000–55,000
LINESET REQUIREMENTS			
Connection Method		Flare	
Liquid	in (mm)	Ø 3/8 (Ø 9.52)	
Gas	in (mm)	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 x W x D)	in (mm)	57 x 21 x 21-11/16	
Gross (H x W x D)	in (mm)	57-1/8 x 23 x 26-1/2	
Net Weight	lb (kg)	132 (60.0)	
Gross Weight	lb (kg)	146 (66.0)	
OUTDOOR DIMENSIONS & WEIGHT			
Net (H x W x D)	in (mm)	52-1/2 x 38-3/16 x 14-9/16	
Gross (H x W x D)	in (mm)	59-5/16 x 41-7/8 x 18-13/16 (1,506 x 1,064 x 478)	
Net Weight	lb (kg)	236 (107)	
Gross Weight	lb (kg)	260 (118)	

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: 3/30/2023

Inverter Driven Heat Pump

48,000 BTU Multi Position AHU

FAN DATA				
Indoor Unit Airflow rate	Cooling	HIGH	CFM (m ³ /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		4,297 (7,300)	
	Heating		3,649 (6,200)	

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		54	

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

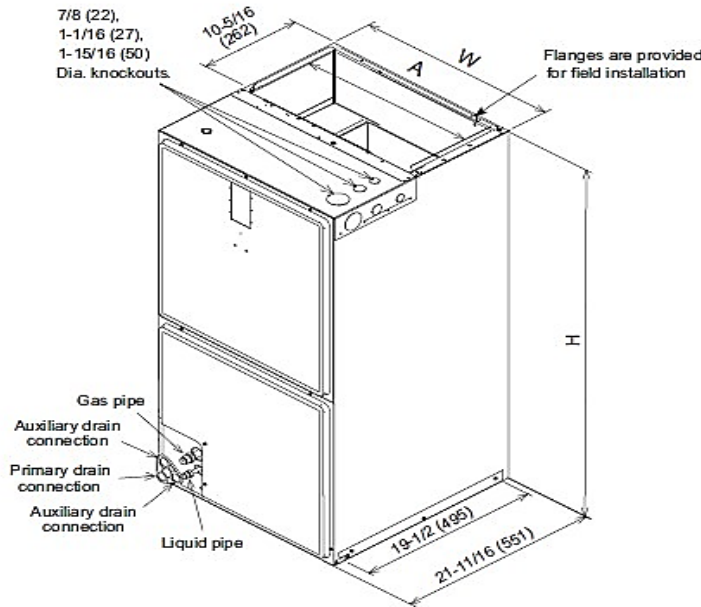
ELECTRICAL SPECIFICATIONS				
Voltage/Frequency/Phase		208/230 V ~ 60 Hz		
Available Voltage Range		187–253 V		
Current	Cooling	Rated	A	22.9
	Heating	Rated		18.8
Maximum Operating Current	Cooling			28.9
	Heating			35.9
Starting current				22.2
MCA				42.4
Maximum Circuit Breaker				45
Input Power	Cooling	Rated		kW
		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)	
	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

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)