

Inverter Driven Heat Pump

48,000 BTU Mid Static Ducted

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

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

PRODUCT FEATURES

Up To 0.72" WC
 Two wire or Three wire Controls
 Automatic Airflow Adjustment
 Heating operation rated down to -5°F outdoor temperature
 Quiet Operation (as low as 29 decibels)
 Long Lineset Lengths (up to 246')



MODEL NUMBERS				
Indoor Unit		ARU48RGLX		
Outdoor Unit		AOU48RGLX		
System		48RGLXD		
EFFICIENCIES				
SEER		16.6		
SEER 2		16.4		
EER		10.1		
EER 2		9.8		
HSPF		10.3		
HSPF 2		9		
COP		kW/kW	3.49	
COP		Btu/hW	11.9	
COP2		kW/kW	3.42	
COP2		Btu/hW	11.67	
OUTDOOR TEMPERATURE OPERATION RANGE				
Cooling		*F(*C)	-5 to 115 (-21 to 46)	
Heating			-5 to 75 (-21 to 24)	
CAPACITIES				
Cooling	Rated	Btu/h	48000	
	Min.—Max.		17,100—50,000	
Heating	Rated		53000	
	Min.—Max.		18,000—55,000	
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		246 (75)		
Max. height difference		98 (30)		
INDOOR DIMENSIONS & WEIGHT				
Net (H × W × D)	in (mm)	11-13/16 × 55-1/8 × 27-9/16 (300 × 1,400 × 700)		
Gross (H × W × D)		15-3/4 × 64-1/2 × 34-7/16 (400 × 1,638 × 875)		
Net Weight	lb (kg)	121 (55)		
Gross Weight		141 (64)		
OUTDOOR DIMENSIONS & WEIGHT				
Net (H × W × D)	in (mm)	50-13/16 × 35-7/16 × 13 (1,290 × 900 × 330)		
Gross (H × W × D)		57-1/2 × 41-5/16 × 17-1/2 (1,460 × 1,050 × 445)		
Net Weight	lb (kg)	209 (95)		
Gross Weight		231 (105)		

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
UTD-LFNA	Long-life Filter
UTY-XWZXZG	External Connect Kit
UTY-XCSX	External Input and Output PCB
UTY-TFSXZ2	WLAN Adapter
UTY-VMSX	Modbus 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: 3/1/2023

Fujitsu General America, Inc. • 340 Changebridge Rd, Pine Brook, NJ 07058 • Toll Free: (888) 888-3424 • www.fujitsugeneral.com

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FAN DATA

Indoor Unit Airflow rate	Cooling	HIGH	CFM (m3/h)	1,501 (2,550)
		MED		1,201 (2,040)
		LOW		971 (1,650)
		QUIET		842 (1,430)
	Heating	HIGH		1,501 (2,550)
		MED		1,201 (2,040)
		LOW		971 (1,650)
		QUIET		842 (1,430)
Outdoor Unit Airflow rate	Cooling			4,061 (6,900)
	Heating			4,091 (6,950)

SOUND PRESSURE

Indoor Unit	Cooling	HIGH	dB (A)	40
		MED		35
		LOW		33
		QUIET		29
	Heating	HIGH		40
		MED		35
		LOW		33
		QUIET		29
Outdoor Unit	Cooling			57
	Heating			59

REFRIGERANT

Type			R410A
Charge	lb oz	7 lb 10.1 oz	
	g	3450	
Oil Type			POE (VG74)

ELECTRICAL SPECIFICATIONS

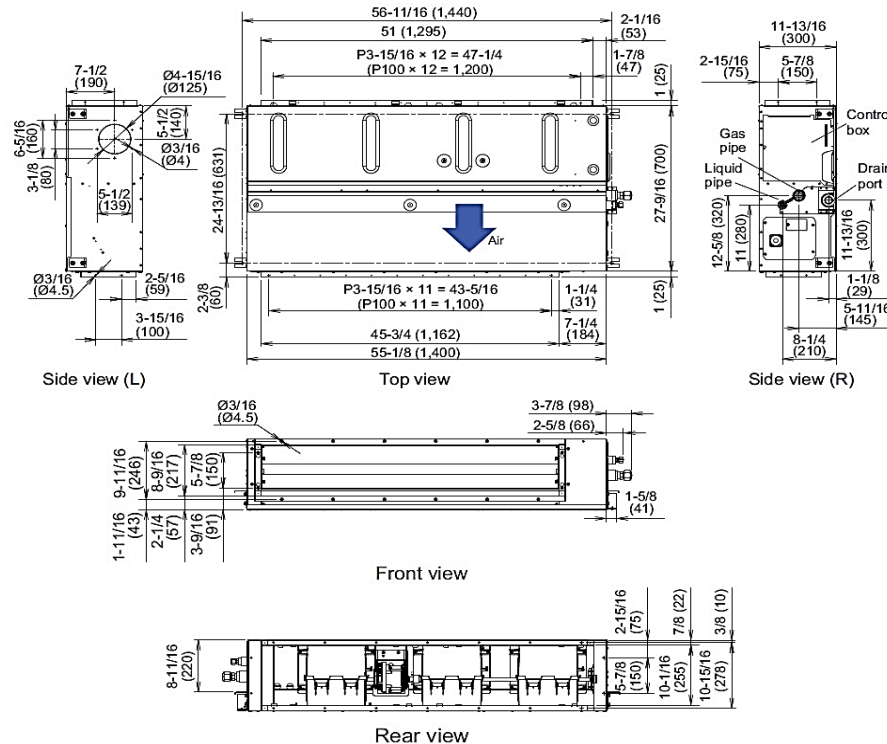
Voltage/Frequency/Phase		208/230 V~ 60 Hz		
Available Voltage Range		187–253 V		
Current	Cooling	Rated	A	21.5
	Heating	Rated		19.9
Maximum Operating Current	Cooling			22.2
	Heating			20.7
Starting current				20.9
MCA				28.3
Maximum Circuit Breaker			30	
Input Power	Cooling	Rated	kW	4.9
		Min.–Max.		0.75–5.01
	Heating	Rated		4.54
		Min.–Max.		0.67–4.77
Power Factor	Cooling		%	99.1
	Heating			99.2

Moisture Removal		pints/h (L/h)	8.2 (3.9)
Energy Star			No
Drain hose	Material		PVC
	Tip diameter	in (mm)	Ø13/16 (20.7) (I.D.), Ø1-1/16 (26.6) (O.D.)
Operation Range	Cooling	°F (°C)	64.4 to 89.6 (18 to 32)
	Heating	%RH	80 or less
Static pressure range		°F (°C)	60.8 to 86.0 (16 to 30)
		inWG (Pa)	0.12 to 0.72 (30 to 180)

DIMENSIONS:

Units: In. (mm)

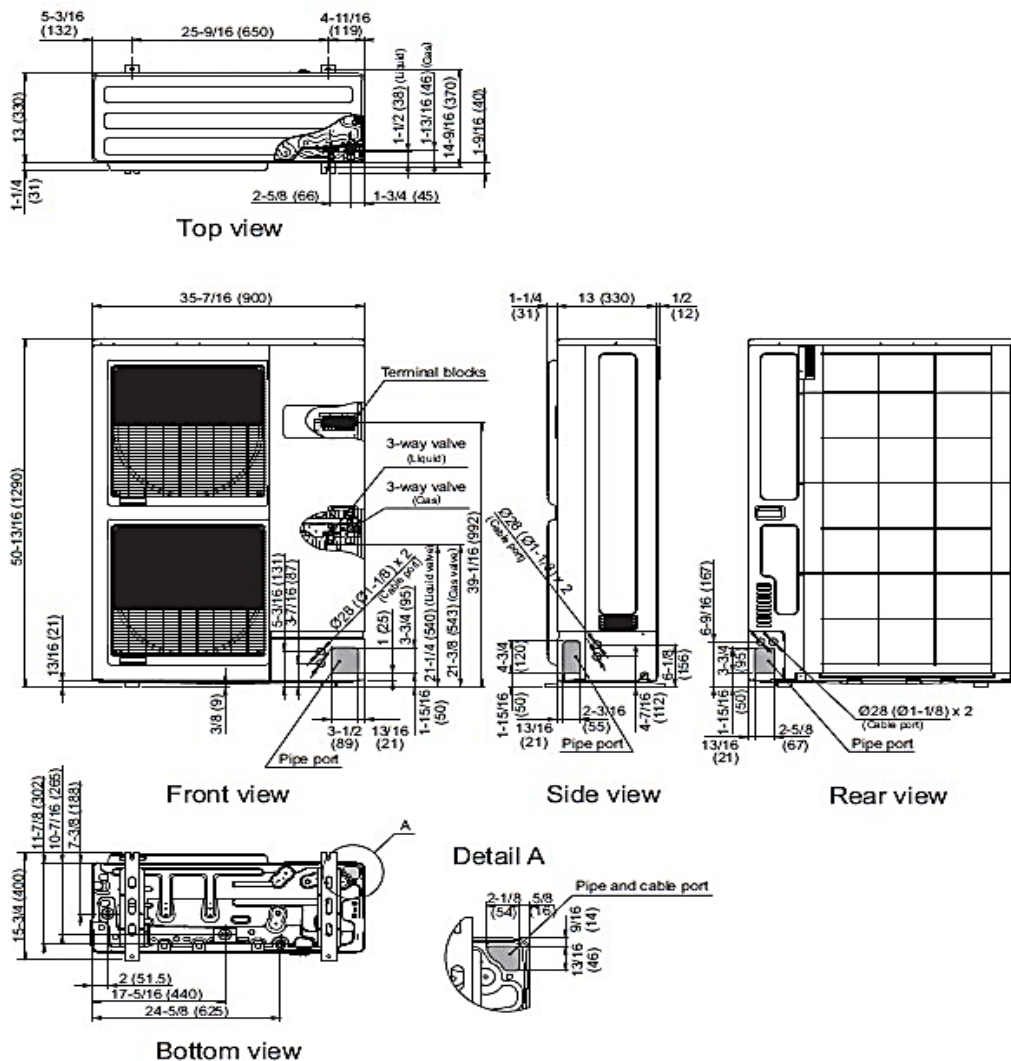
Indoor Unit:



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).