

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 (IV) / HSPF 2 (V)		9/7.2	
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)	

* 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*	Wired Remote Controller
UTY-RSRV	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: 05/07/2024

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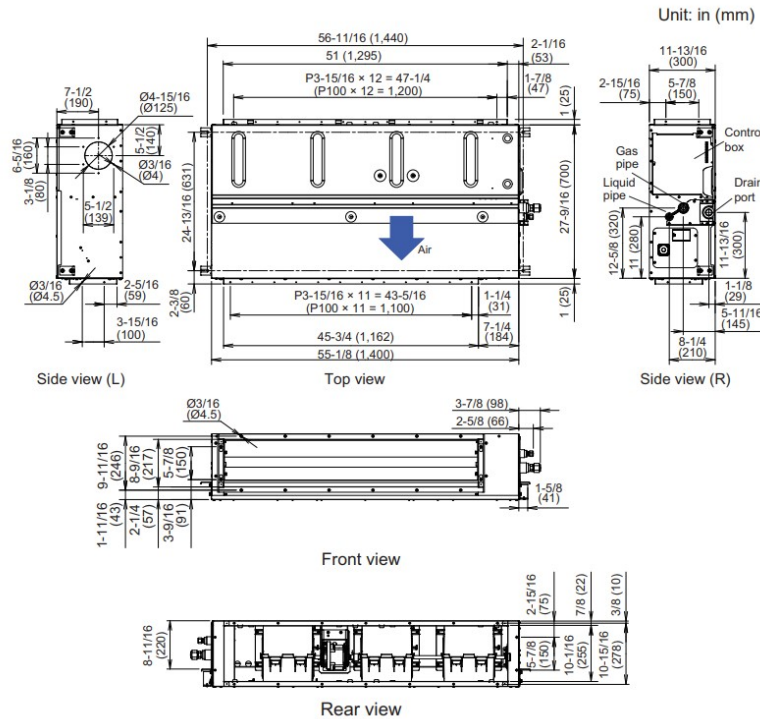
FAN DATA				
Indoor Unit Airflow rate	Cooling	HIGH	CFM (m3/h)	1,501 (2,550)
		MED		1,201 (2,040)
		LOW		971 (1,650)
		QUIET		842 (1,430)
	Heating	HIGH		1,501 (2,550)
		MED		1,201 (2,040)
		LOW		971 (1,650)
		QUIET		842 (1,430)
Outdoor Unit Airflow rate	Cooling			4,061 (6,900)
	Heating			4,091 (6,950)
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
OTHER				
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)	
		%RH	80 or less	
	Heating	°F (°C)	60.8 to 86.0 (16 to 30)	
Static pressure range		inWG (Pa)	0.12 to 0.72 (30 to 180)	

DIMENSIONS:

Units: In. (mm)

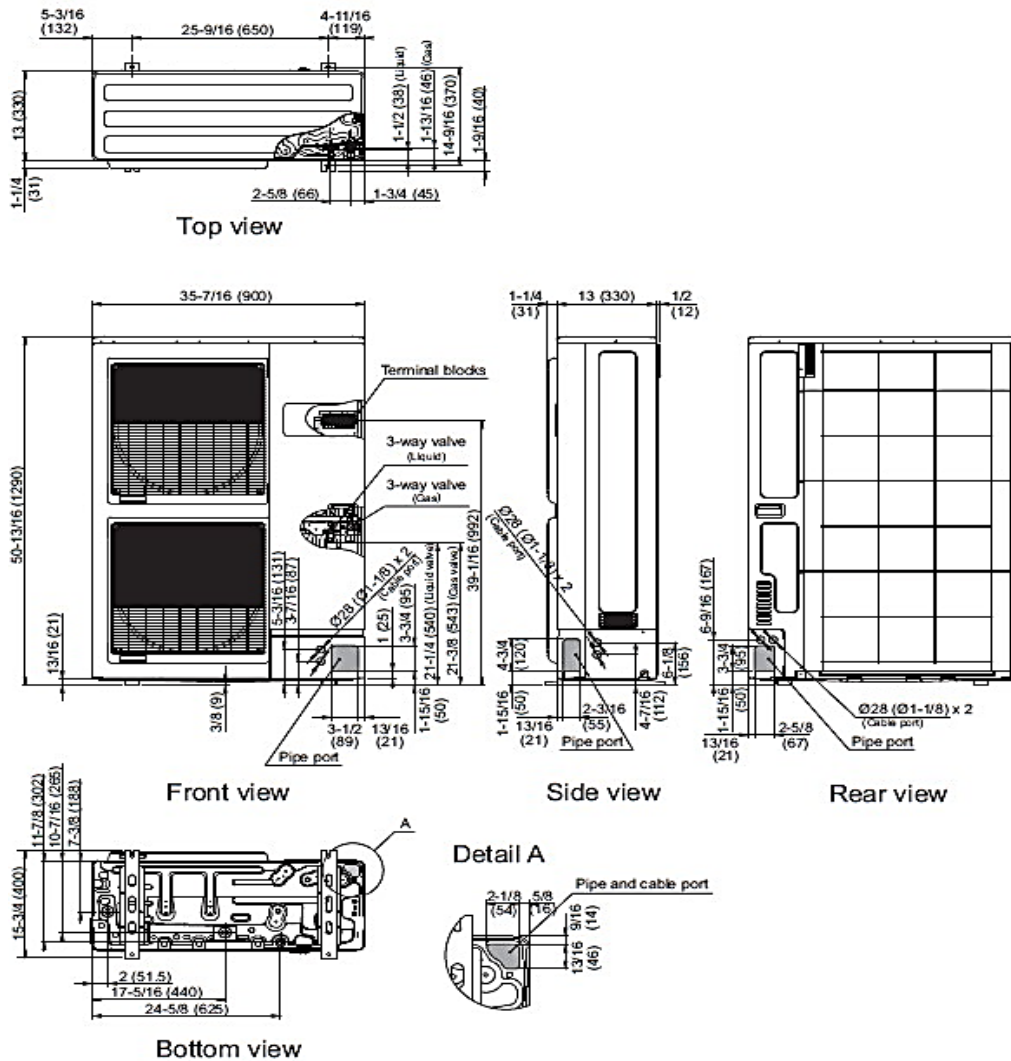
Indoor Unit:



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).