

Inverter Driven Heat Pump

12,000 BTU Single Zone Mid Static Duct System

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

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

PRODUCT FEATURES

- Up To 0.8" WC
- Quiet Operation (as low as 24 db) Separately
- Automatic Static Pressure Detection
- Heating Operation Rated Down to -5 °F
- Built in Drain Pump
- Lineset Length up to 66ft
- Controls Sold Separately
- BACnet Compatible



MODEL NUMBERS			
Indoor Unit		ARUH12LUAS	
Outdoor Unit		AOUH12LUAS1	
System		12LUAS1R	
EFFICIENCIES			
SEER		21.3	
SEER 2		19.1	
EER		13.4	
EER 2		12.5	
HSPF		11.7	
HSPF 2 (IV) / HSPF 2 (V)		10.5/8.9	
COP	kW/kW		3.9
COP	Btu/hW		13.3
COP2	kW/kW		3.76
COP2	Btu/hW		12.8
OUTDOOR TEMPERATURE OPERATION RANGE			
Cooling	*F(°C)	14 to 115 (-10 to 46)	
Heating*		*-5 to 75 (-21 to 24)	
CAPACITIES			
Cooling	Rated	Btu/h	12000
	Min.—Max.		3,100—13,600
Heating	Rated		16000
	Min.—Max.		3,400—19,400
LINESET REQUIREMENTS			
Connection Method		Flare	
Liquid	in (mm)	Ø1/4 (Ø6.35)	
Gas		Ø3/8 (Ø9.52)	
Pre-charge length	ft (m)	49 (15)	
Minimum Length		16 (5)	
Max. length		66 (20)	
Max. height difference		49 (15)	
INDOOR DIMENSIONS & WEIGHT			
Net (H × W × D)	in (mm)	11-13/16 × 27-9/16 × 27-9/16 (300 × 700 × 700)	
Gross (H × W × D)		15-3/4 × 36-15/16 × 34-7/16 (400 × 938 × 875)	
Net Weight	lb (kg)	66 (30)	
Gross Weight		82 (37)	
OUTDOOR DIMENSIONS & WEIGHT			
Net (H × W × D)	in (mm)	24-7/8 × 31-7/16 × 11-7/16 (632 × 799 × 290)	
Gross (H × W × D)		27-1/4 × 37 × 14-3/4 (692 × 940 × 375)	
Net Weight	lb (kg)	84 (38)	
Gross Weight		95 (43)	

* 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-RSRY	Simple Remote Controller
UTY-RHRY	Simple Remote Controller
UTY-LBTUM	IR Receiver Kit with Wireless Remote Controller
UTD-LFNC	Long-life Filter
UTY-TFSXZ2	WLAN Adapter
UTY-VMSX	Modbus Converter
UTY-TTRXZ1	Thermostat Converter
UTY-TERX	External Switch Controller



This system combination is Energy Star qualified



+App available in Apple® App Store and Google® Play Store.

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)	500 (850)
		MED		400 (680)
		LOW		347 (590)
		QUIET		300 (510)
	Heating	HIGH		500 (850)
		MED		400 (680)
		LOW		347 (590)
		QUIET		300 (510)
Outdoor Unit Airflow rate	Cooling			1,171 (1,990)
	Heating			1,089 (1,850)

SOUND PRESSURE

Indoor Unit	Cooling	HIGH	dB (A)	35
		MED		30
		LOW		27
		QUIET		24
	Heating	HIGH		35
		MED		30
		LOW		27
		QUIET		24
Outdoor Unit	Cooling			48
	Heating			49

REFRIGERANT

Type			R410A
Charge	lb oz	2 lb 10 oz	
	g	1200	
Oil Type			RB68

ELECTRICAL SPECIFICATIONS

Voltage/Frequency/Phase		208/230 V~ 60 Hz		
Available Voltage Range		187–253 V		
Current	Cooling	Rated	A	4.3
	Heating	Rated		5.5
Maximum Operating Current	Cooling			9.8
	Heating			11.3
Starting current				6.4
MCA				13.8
Maximum Circuit Breaker				15
Input Power	Cooling	Rated	kW	0.96
		Min.–Max.		0.12–1.45
	Heating	Rated		1.25
		Min.–Max.		0.18–1.84
Power Factor	Cooling		%	97.1
	Heating			98.8

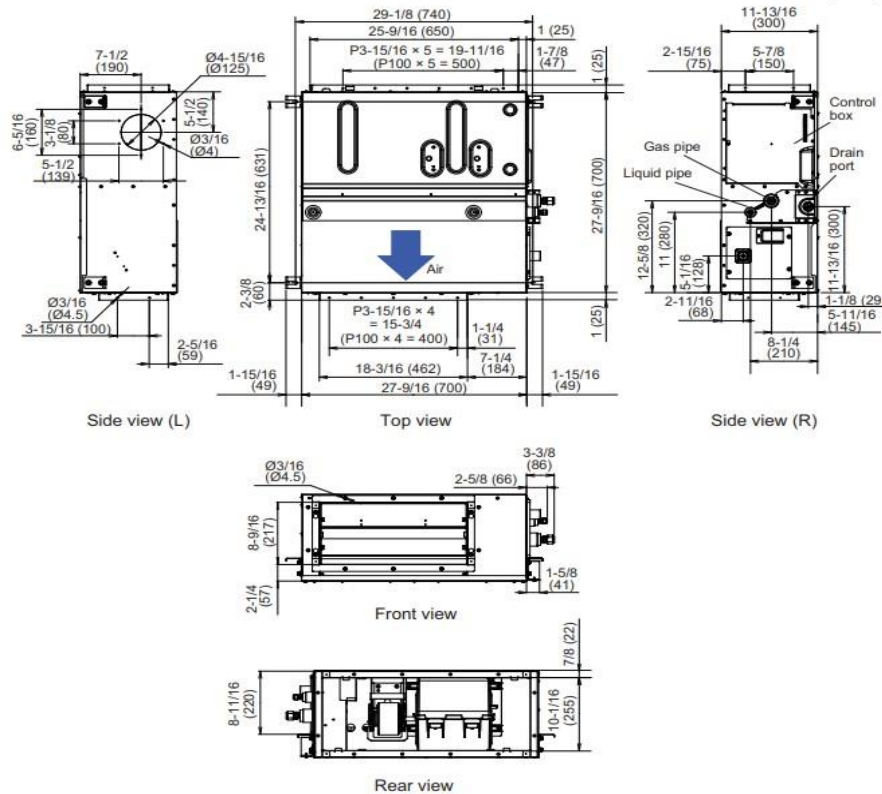
OTHER

Moisture Removal		pints/h (L/h)	1.5 (0.7)
Energy Star			Yes
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 to 90 (18 to 32)
	Heating	%RH	80 or less
Static pressure range		°F (°C)	60 to 86 (16 to 30)
		inWG (Pa)	0.12 to 0.80 (30 to 200)

DIMENSIONS:

Indoor Unit:

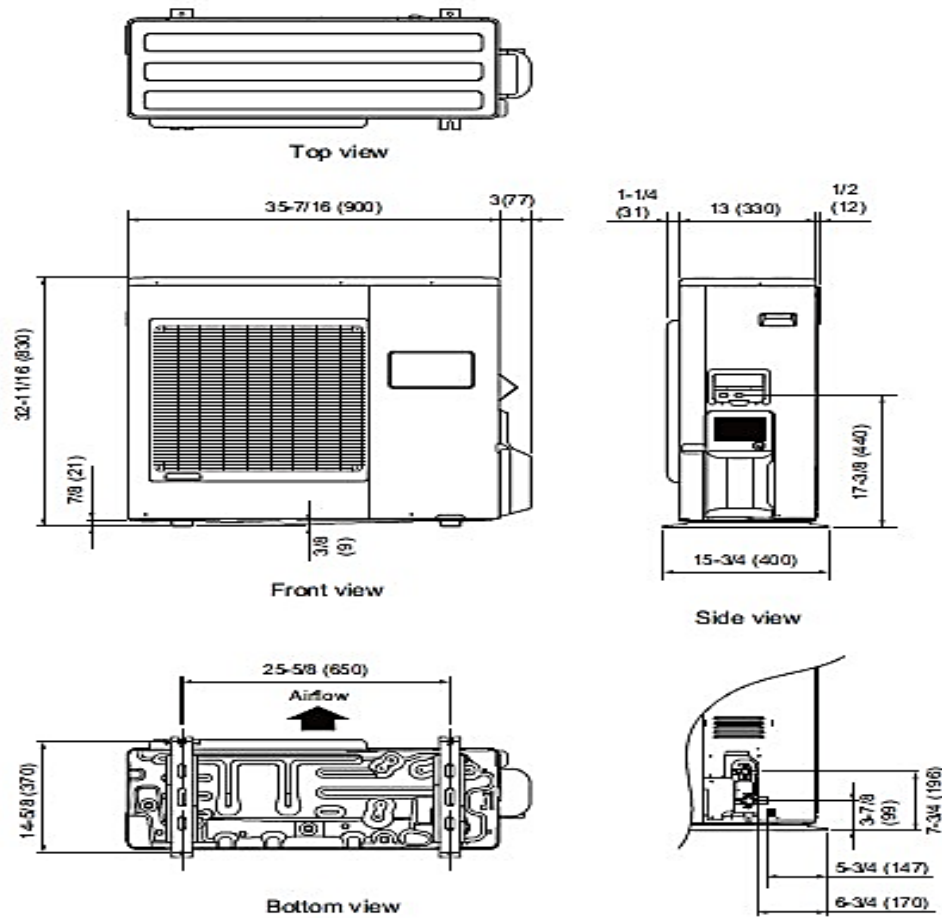
Units: In. (mm)



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).