

Inverter Driven Heat Pump

42,000 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	ARU42RGLX		
Outdoor Unit	AOU42RGLX		
System	42RGLXD		
EFFICIENCIES			
SEER	17.8		
SEER 2	17.3		
EER	11.5		
EER 2	10.7		
HSPF	10.5		
HSPF 2	9.8		
COP	kW/kW	3.75	
COP	Btu/hW	12.8	
COP2	kW/kW	3.66	
COP2	Btu/hW	12.49	
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	42000
	Min.-Max.		17,100-45,000
Heating	Rated		47000
	Min.-Max.		18,000-51,000
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 x W x D)	in (mm)	11-13/16 x 55-1/8 x 27-9/16 (300 x 1,400 x 700)	
Gross (H x W x D)		15-3/4 x 64-1/2 x 34-7/16 (400 x 1,638 x 875)	
Net Weight	lb (kg)	121 (55)	
Gross Weight		141 (64)	
OUTDOOR DIMENSIONS & WEIGHT			
Net (H x W x D)	in (mm)	50-13/16 x 35-7/16 x 13 (1,290 x 900 x 330)	
Gross (H x W x D)		57-1/2 x 41-5/16 x 17-1/2 (1,460 x 1,050 x 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-VMXS	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

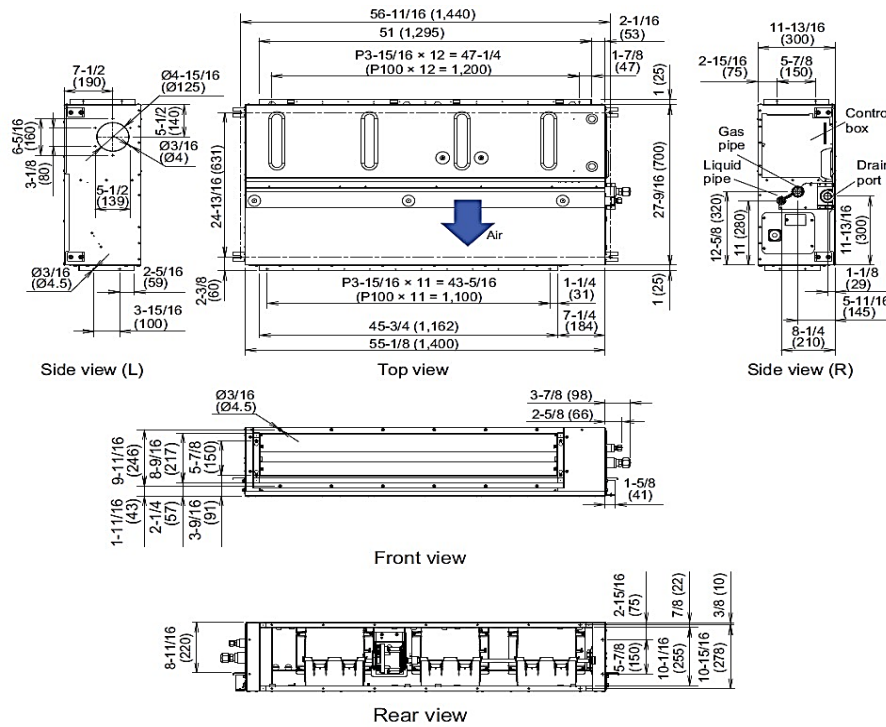
FAN DATA				
Indoor Unit Airflow rate	Cooling	HIGH	CFM (m3/h)	1,501 (2,550)
		MED		1,201 (2,040)
		LOW		971 (1,650)
	Heating	QUIET		842 (1,430)
		HIGH		1,501 (2,550)
		MED		1,201 (2,040)
Outdoor Unit Airflow rate	Cooling		3,973 (6,750)	
	Heating		3,649 (6,200)	
	<b>SOUND PRESSURE</b>			
Indoor Unit	Cooling	HIGH	dB (A)	40
		MED		35
		LOW		33
	Heating	QUIET		29
		HIGH		40
		MED		35
Outdoor Unit	Cooling		55	
	Heating		57	
	<b>REFRIGERANT</b>			
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	17.2	
	Heating	Rated		16.5	
Maximum Operating Current	Cooling			19.7	
	Heating			19.7	
Starting current		16.8			
MCA		25.2			
Maximum Circuit Breaker		30			
Input Power	Cooling	Rated	kW	3.93	
		Min.-Max.		0.75-4.47	
	Heating	Rated		3.76	
Min.-Max.		0.67-4.57			
Power Factor	Cooling			99.3	
	Heating			99.1	
<b>OTHER</b>					
Moisture Removal		pints/h (L/h)	5.5 (2.6)		
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	Cooling	°F (°C)	60.8 to 86.0 (16 to 30)		
	Heating	inWG (Pa)	0.12 to 0.72 (30 to 180)		

DIMENSIONS:

Indoor Unit:

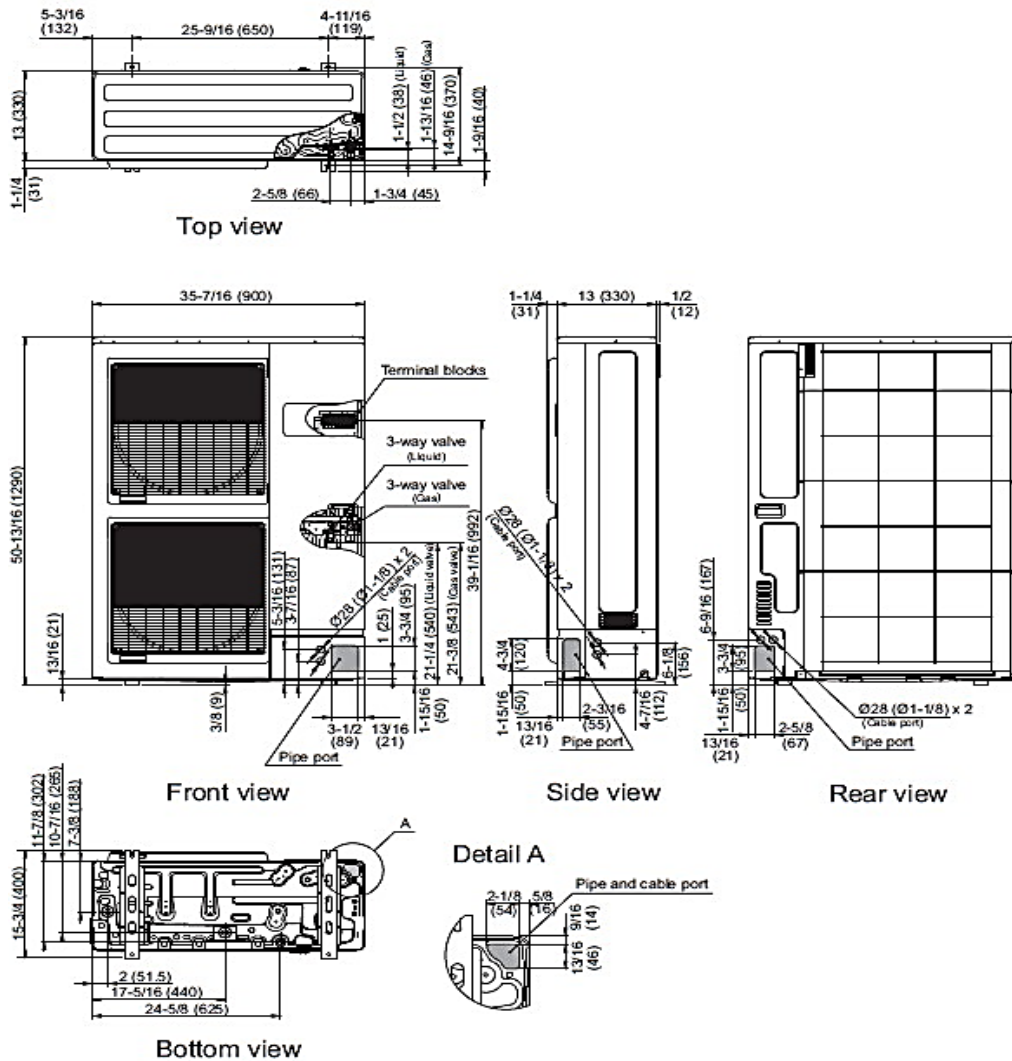
Units: In. (mm)



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 2022 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).