

FUJITSU



MEDIUM STATIC PRESSURE DUCT MINI-SPLITS















ARU12RGLX / AOU12RLFC
ARU24RGLX / AOU24RGLX
ARU36RGLX / AOU36RGLX
ARU48RGLX / AOU48RGLX

ARU18RGLX / AOU18RGLX
ARU30RGLX / AOU30RGLX
ARU42RGLX / AOU42RGLX



A GAME CHANGER

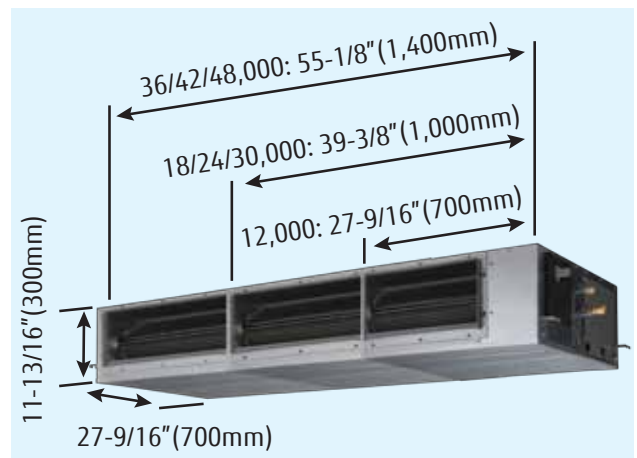
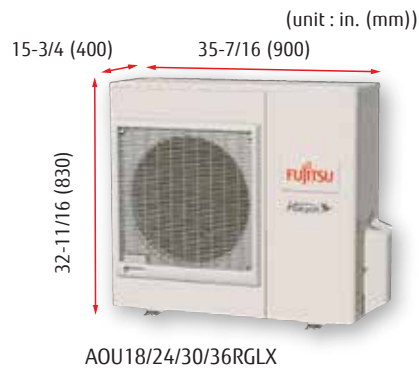
Fujitsu is proud to introduce the newest addition to our single-zone mini-split lineup – three new Medium Static Pressure Duct indoor units! These units use the same energy efficient inverter technology you expect from Fujitsu mini-split products, and they have enough static pressure to heat or cool a whole house. SEER ratings up to 21.3 and a compact size mean these indoor units can find a place in many applications.

SYSTEM	12RGLXD	18RGLXD	24RGLXD	30RGLXD	36RGLXD	42RGLXD	48RGLXD
							
							
Indoor Unit	ARU12RGLX	ARU18RGLX	ARU24RGLX	ARU30RGLX	ARU36RGLX	ARU42RGLX	ARU48RGLX
Outdoor Unit	AOU12RGLX	AOU18RGLX	AOU24RGLX	AOU30RGLX	AOU36RGLX	AOU42RGLX	AOU48RGLX

SLIM & COMPACT DESIGN INDOOR UNIT & OUTDOOR UNIT

New ducted air conditioners are slim and compact in design in order to fit into most ceiling spaces, making them ideal for hidden installations.

The compact outdoor units can be installed below a window and in a narrow space. (18, 24, 30, 36,000 BTUh units)



FEATURE HIGHLIGHTS

Can be installed in applications that require static pressure up to 0.80" W.G. (12/18/24/30/36k models).
Max piping lengths of up to 246 feet (42/48RGLXD systems).
Medium Static Ducted units must be installed horizontally.
Heating operation rated down to -5°F outdoor temperature.
Select two- or three-wire control via dipswitch on indoor unit.

0.12 in. W.G. (30Pa) Short duct ↔ 0.80 in. W.G. (200Pa) Long duct

AUTOMATIC AIRFLOW ADJUSTMENT FUNCTION



This unique and innovative function detects required airflow in each application case and automatically adjusts the flow.



BUILT-IN DRAIN PUMP

These units come standard with a built-in drain pump, up to 33.5" of vertical lift.

ENERGY EFFICIENT & QUIET OPERATION

The combination of the V-shaped heat exchanger, air stabilizer, and the energy efficient DC fan motor results in high efficiency and quiet operation.



The 12, 18 and 24,000 BTUh models are Energy Star qualified.



V-shape heat exchanger

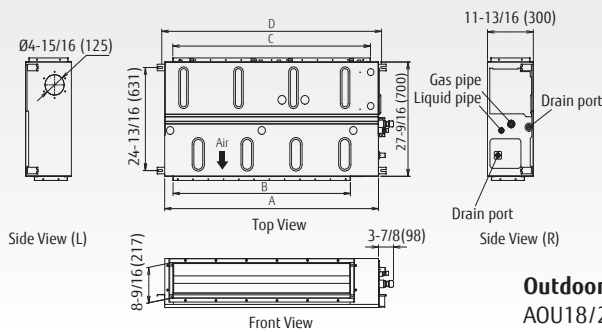
Energy efficient DC fan motor
Lower power consumption

* 12,18, 24,000 BTUh models fan speed: Quiet

OPTIONAL PARTS

- Wired Remote Controller: UTY-RNRUZ2, UTY-RVNUM
- Thermostat Converter: UTY-TTRX
- IR Receiver Unit: UTY-LBTUM
- External input & output PCB: UTY-XCSX
- External Connector Kit: UTY-XWZXZG, UTY-XWZXZ3
- Long Life Filter: UTD-LFNA (For 36/42/48k models), UTD-LFNB (For 18/24/30k models), UTD-LFNC (For 12k model)
- Simple Remote Controller: UTY-RSRY, UTY-RHRY
- Wireless LAN Interface: UTY-TFSXZ2
- Remote Sensor Unit: UTY-XSZX
- External input & output PCB Box: UTZ-GXNA

DIMENSIONS

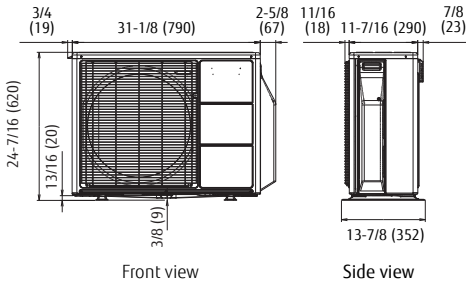


Indoor units: ARU12/18/24/30/36/42/48RGLX

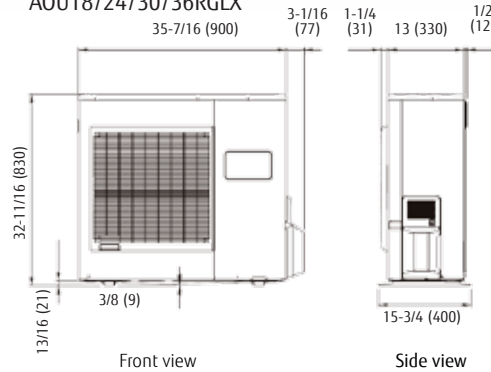
(Unit : in. (mm))

A	27-9/16 (700)	39-3/8 (1,000)	55-1/8 (1,400)
B	18-3/16 (462)	30 (762)	45-3/4 (1,162)
C	25-9/16 (650)	35-1/4 (895)	51 (1,295)
D	29-1/8 (740)	40-15/16 (1,040)	56-11/16 (1,440)

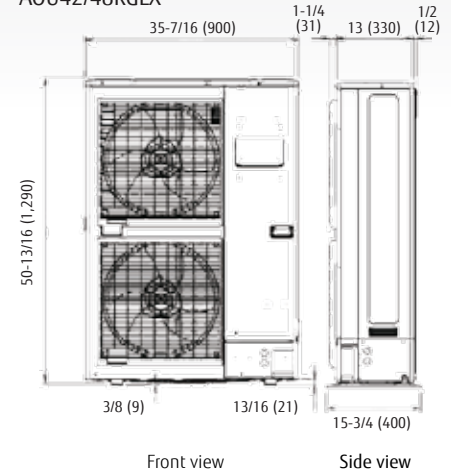
Outdoor unit: AOU12RLFC



Outdoor unit: AOU18/24/30/36RGLX



Outdoor unit: AOU42/48RGLX



SPECIFICATIONS

Model No.	Indoor		ARU12RGLX	ARU18RGLX	ARU24RGLX	ARU30RGLX	ARU36RGLX	ARU42RGLX	ARU48RGLX			
	Outdoor		AOU12RLFC	AOU18RGLX	AOU24RGLX	AOU30RGLX	AOU36RGLX	AOU42RGLX	AOU48RGLX			
Power supply	V /ø/Hz		208/230 V ~ single phase ~ 60Hz									
Cooling	Capacity	Rated	Btu/h	12,000	18,000	24,000	30,000	36,000	42,000	48,000		
		Min-Max	Btu/h	3,100 - 13,600	5,400 - 21,500	5,400 - 29,000	9,600 - 35,000	9,600 - 39,000	17,100 - 45,000	17,100 - 50,000		
	Input power	kW	0.89	1.38	1.90	2.83	3.60	3.65	4.75	4.75		
		kW/kW	3.93	3.81	3.69	3.11	2.93	3.37	2.96			
	SEER	Btu/hW	13.4	13.0	12.6	10.6	10.0	11.5	10.1			
Heating	Capacity	Rated	Btu/h	16,000	21,000	27,000	32,000	36,000	47,000	53,000		
		Min-Max	Btu/h	3,100 - 19,400	5,400 - 25,600	5,400 - 32,400	9,200 - 39,000	9,200 - 48,000	18,000 - 51,000	18,000 - 55,000		
	Input power	kW	1.20	1.50	2.06	2.48	2.88	3.67	4.45			
		kW/kW	3.90	4.10	3.84	3.78	3.66	3.75	3.49			
	COP	Btu/hW	13.3	14.0	13.1	12.9	12.5	12.8	11.9			
HSPF	Btu/hW	11.7	10.9	10.8	10.4	11.3	10.5	10.3				
Sound pressure	Indoor (Hi/Me/Lo/Qu) Outdoor	dB(A)	35 / 30 / 27 / 24	31 / 28 / 25 / 24	34 / 29 / 26 / 24	37 / 34 / 30 / 29	37 / 33 / 30 / 26	40 / 35 / 33 / 29	40 / 35 / 33 / 29			
			49	47	53	53	54	55	57			
Fan	Air Flow Rate (Hi/Me/Lo/Qu)	CFM (m³/h)	500 / 400 / 347 / 300 (850 / 680 / 590 / 510)	618 / 565 / 530 / 459 (1,050 / 960 / 900 / 780)	800 / 636 / 518 / 400 (1,360 / 1,080 / 880 / 680)	1,001 / 800 / 700 / 630 (1,700 / 1,360 / 1,190 / 1,070)	1,207 / 965 / 783 / 630 (2,050 / 1,640 / 1,330 / 1,070)	1,501 / 1,201 / 971 / 842 (2,550 / 2,040 / 1,650 / 1,430)	1,501 / 1,201 / 971 / 842 (2,550 / 2,040 / 1,650 / 1,430)			
			Static Pressure Range	Min.-Max.	in. W.G (Pa)	0.12 to 0.80 (30 to 200)				0.12 to 0.72 (30 to 180)		
Dimensions	Indoor	H×W×D	11-13/16×39-3/8×27-9/16 (300×1,000×700)			11-13/16×55-1/8×27-9/16 (300×1,400×700)						
		Weight	60 (27)			79 (36)		101 (46)				
	Outdoor	H×W×D	24-7/16×31-1/8×11-7/16 (620×790×290)						32-11/16×35-7/16×13 (830×900×330)		50-13/16×35-7/16×13 (1,290×900×330)	
		Weight	84 (38)						134 (61)		209 (95)	
Piping	Connection Pipe Diameter	Liquid / Gas	1/4 / 3/8 (6.35 / 9.52)			1/4 / 1/2 (6.35 / 12.7)		3/8 / 5/8 (9.52 / 15.88)				
			Max pipe length	65 (20)			164 (50)		246 (75)			
	Pre charge pipe length	49 (15)			65 (20)		98 (30)					
	Max height difference	49 (15)			98 (30)		98 (30)					
Operation range	Cooling	°F (°C)	14 to 115 (-10 to 46)			-5 to 115 (-20 to 46)						
			Heating	-5 to 75 (-20 to 24)			-5 to 75 (-20 to 24)					
Refrigerant			R410A									

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). Voltage: 230[V].