

SUBMITTAL - 12KPAS1

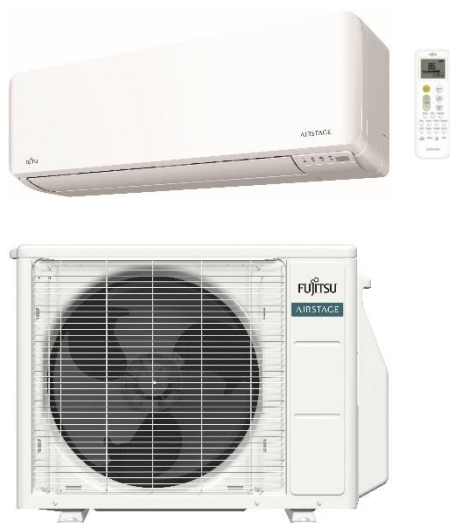
Job Name: _____

Date: _____

Location: _____

Indoor Unit: **ASUH12KPAS**

Outdoor Unit: **AOUH12KPAS1**



FEATURES

INDOOR UNIT:

- Compact wall-mounted indoor unit delivering superior comfort and energy-efficient performance
- Indoor unit with ProCore™ (High Corrosion Resistant Copper) coils for long-lasting protection against corrosion
- Whisper-quiet operation with sound levels as low as 19dB
- Multiple fan speed options; Auto, High, Med-High, Med, Med-Low, Low, and Quiet.
- Special Operation modes available:
 - Economy Mode / Energy Saving Mode / Powerful Mode / Minimum Heat Mode / Automatic defrosting operation / Auto-restart function
- Enhanced controls platform for seamless, intuitive operation:
 - Backlit wireless remote controller with luminous buttons for easy visibility, included with the indoor unit
 - Wi-Fi connectivity with Airstage Mobile App monitoring via compatible USB WLAN adapter
 - Extended connectivity with support for third-party interface options
 - Compatible with BACnet and Modbus protocols for seamless integration with building management and Home Automation Systems
- Advanced scheduling and timer options offer greater control over unit operation:
 - Weekly Timer / 24-hr Timer / Sleep Function
- Dual-action Filtration: Apple-Catechin Filter & Ion Deodorizing Filter
- Additional premium features include, but are not limited to:
 - Built-in external input and output for interlocking systems with 3rd party devices (Ex: Fire Alarm, Door Switch, Humidifier, Aux. Heat & more)
 - Multiple Auxiliary Heat logic for optimized heating performance
 - Service monitoring functionality via compatible accessories (UTY-RVRU & UTY-RNRUZ-series)

OUTDOOR UNIT FEATURES

- Low GWP R-32 systems for reduced environmental impact
- INVERTER-driven compressor that offers superior performance, comfort, and energy savings
- Compact outdoor unit with extended line set lengths up to 66ft (20m)
- Up to 16% higher rated heating capacity than nominal capacity
- Low-noise outdoor unit operation mode
- Hydro Fin-coated heat exchanger for improved corrosion resistance and coil durability



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 and installed by a Fujitsu Elite contractor.



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>

Version: 20241119A

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SPECIFICATIONS:

Indoor Unit					ASUH12KPAS			
Outdoor Unit					AOUH12KPAS1			
System Name					12KPAS1			
AHRI Number					215212610			
SEER2		Cooling			Btu/hW	24		
EER2						11.7		
HSPF2		Heating			kW/kW	10.5		
COP2						3.8		
Outdoor Operation Range		Cooling			°F (°C)	14 to 122* ⁸ (-10 to 50* ⁸)		
		Heating				5 to 75 (-15 to 24)		
Indoor Capacity		Cooling		Rated	Btu/h	12000		
				Min.—Max.		3,100—13,600		
		Heating	47°FDB (Outdoor temp.)			Rated	14000	
			17°FDB (Outdoor temp.) ¹			Min.—Max.	2,700—17,000	
						Rated	8700	
			5°FDB (Outdoor temp.) ²			Max.	11000	
						Rated	8500	
Outdoor Connection pipe		Liquid		in (mm)	Ø1/4 (Ø6.35)			
		Gas			Ø3/8 (Ø9.52)			
		Method			FLARE			
		Pre-charge length			ft (m)	49 (15)		
		Min. length				10 (3)		
		Max. length				66 (20)		
		Max. height difference				49 (15)		
Indoor Dimensions (H × W × D)		Net			in (mm)	10-5/8 × 32-13/16 × 8-3/4 (270 × 834 × 222)		
		Gross				10-7/8 × 36 × 13-1/16 (277 × 914 × 332)		
Indoor Weight		Net			lb (kg)	21 (9.5)		
		Gross				26 (12.0)		
Outdoor Dimensions (H × W × D)		Net			in (mm)	21-5/16 × 26-1/8 × 11-7/16 (541 × 663 × 290)		
		Gross				23-11/16 × 31-5/8 × 14-3/4 (602 × 804 × 375)		
Outdoor Weight		Net			lb (kg)	57 (26)		
		Gross				62 (28)		
Indoor Fan	Airflow rate	Cooling	High	CFM (m³/h)	430 (730)			
			Med—High		365 (620)			
			Med		318 (540)			
			Med—Low		283 (480)			
			Low		247 (420)			
		Heating	Quiet		153 (260)			
			High		436 (740)			
			Med—High		394 (670)			
			Med		365 (620)			
			Med—Low		330 (560)			
			Low		300 (510)			
			Quiet		188 (320)			
		Type × Qty			CROSSFLOW FAN × 1			
		Outdoor Fan	Airflow rate		Motor output		W	30
					Cooling		CFM (m³/h)	959 (1,630)
Heating				818 (1,390)				
Type × Qty			PROPELLER FAN × 1					
Indoor Sound Pressure Level ⁴		Motor output			W	23		
		Cooling	High	dB (A)	42			
			Med—High		38			
			Med		34			
			Med—Low		32			
			Low		29			
		Heating	Quiet		19			
			High		42			
			Med—High		39			
			Med		38			
			Med—Low		35			
			Low		33			
Quiet	21							
Outdoor Sound Pressure Level ⁴		Cooling			48			
		Heating						

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SPECIFICATIONS:

Outdoor Refrigerant		Type		R32	
		Charge	lb oz	1 lb 9 oz	
			g	700	
Additional Charge Calculation			oz/ft	0.22	
			g/m	20	
Outdoor Refrigerant Oil		Type		RB74AF	
		Amount	in ³ (cm ³)	14.6 (240)	
Indoor Moisture removal			pints/h (L/h)	3.40 (1.59)	
Indoor Drain hose		Material		POLYPROPYLENE + HIGH-DENSITY POLYETHYLENE	
		Tip Diameter	in (mm)	I.D.: Ø17/32 (Ø13.8), O.D.: Ø19/32 to Ø21/32 (Ø15.0 to Ø16.8)	
Indoor Operation range		Cooling	°F (°C)	64 to 90 (18 to 32)	
			%RH	80 or less	
		Heating	°F (°C)	60 to 86 (16 to 30)	
Power Supply				208/230 V~ 60 Hz	
Available Voltage Range				187—253	
System power supply		Voltage		V	
		Frequency		Hz	
		Available voltage range		V	
Indoor Current	Cooling		A	4.8	
	Heating			5	
Maximum Operating Current* ³				Cooling	6.9
				Heating	7.9
Outdoor Starting Current				5	
MCA* ⁵				9.7	
Wiring spec.* ⁶		MAX. CKT. BKR* ⁷		15	
Indoor Input Power	Cooling			Rated	1.03
			Min.—Max.	0.13—1.35	
	Heating	Rated	1.08		
		Min.—Max.	0.13—1.43		
		Rated	0.89		
		Max.	1.2		
		5°FDB (Outdoor temp.)* ¹²	Rated	1.095	
	Max.				
Indoor Power Factor		Cooling		93.3	
		Heating		93.9	
Energy Star				ES	

NOTES

- Cooling: Indoor temperature of 80°F (26.7°CDB)/67°FWB (19.44°CWB), and outdoor temperature of 95°FDB (35°CDB)/75°FWB (23.9°CWB).
 - Heating: Indoor temperature of 70°FDB (21.1°CDB)/60°FWB (15.56°CWB), and outdoor temperature of 47°FDB (8.33°CDB)/43°FWB (6.11°CWB).
 - 17°FDB (Outdoor temp.) —*1: Heating (17°F): Indoor temperature of 70°FDB (21.1°CDB)/60°FWB (15.56°CWB), and outdoor temperature of 17°FDB (-8.33°CDB)/15°FWB (-9.44°CWB).
 - 5°FDB (Outdoor temp.) —*2: Heating (5°F): Indoor temperature of 70°FDB (21.1°CDB)/60°FWB (15.56°CWB), and outdoor temperature of 5°FDB (-15.0°CDB)/4°FWB (-15.56°CWB).
 - Test conditions are based on AHRI 210/240 2023.
 - *4:
 - Indoor Sound Pressure Level —Measured values in manufacturer's anechoic chamber.
 - Outdoor Sound Pressure Level —Because of the surrounding sound environment, the sound levels measured in actual installation conditions might be higher than the specified values here.
 - *3:
 - Maximum Operating Current —Maximum current is maximum value when operated within the operation range.
 - The total current of indoor unit and outdoor unit.
 - MCA —*5: Minimum Circuit Ampacity (Calculation based on UL60335-2-40)
 - *6: Selected sample based on Japan Electrotechnical Standards and Codes Committee E0005.
 - Wiring spec. As the regulations of wire size and circuit breaker differ in each country or region, select appropriate devices complied to the regional standard.
 - MAX. CKT. BKR —*7: Maximum Circuit Breaker
 - Operation Range —*8: Suction temperature of the outdoor unit.
- 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.

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ACCESSORIES:

Model Number	Description
UTY-RVRU ^{*1}	KAGAMI - Touch Panel Wired Controller
UTY-RNRUZ5 ^{*1}	Touch Panel Wired Remote Controller
UTY-RHRY ^{*1}	Simple Wired Remote (Without Mode Function) - Hospitality
UTY-RSRY ^{*1}	Simple Wired Remote (With Mode Function)
UTY-TWRXZ2	Communication Kit - Wall Mount
UTY-TFSXH4	Wi-Fi Adapter (WiFi Interface Module USB Type)
FJ-AC-WIFI-1	Intesis Wi-Fi Device: Wired Module
FJ-IR-WIFI-1NA	Intesis IR Wireless AC Cloud Control Interface (Intesis Home app)
Breez MAX BM101-102WA	Cielo IR Controller w/ WiFi
UTY-VMSX	Modbus Converter
UTY-VTGX ^{*1}	Network Converter - Convert H-Series Comm. Protocol to V/J-Series Comm.
FJ-AC-485-1	Intesis - BACnet MSTP & Modbus RTU Gateway
UTY-TERX ^{*1}	External Switch Controller
UTY-TTRXZ1 ^{*1, 2}	24V Thermostat Interface
TTRXZ1-KIT ^{*1, 2}	24V Thermostat Interface Kit (UTY-TTRXZ1, UTY-WiFi Plug & 24V Transformer)
UTY-XCSXZ2	External input and output PCB
UTY-XWZX	External Wire Kit
UTY-XWZXZ5	External Connect Kit
UTY-DSGYZ2 ^{*3}	Airstage Edge Controller

NOTES:

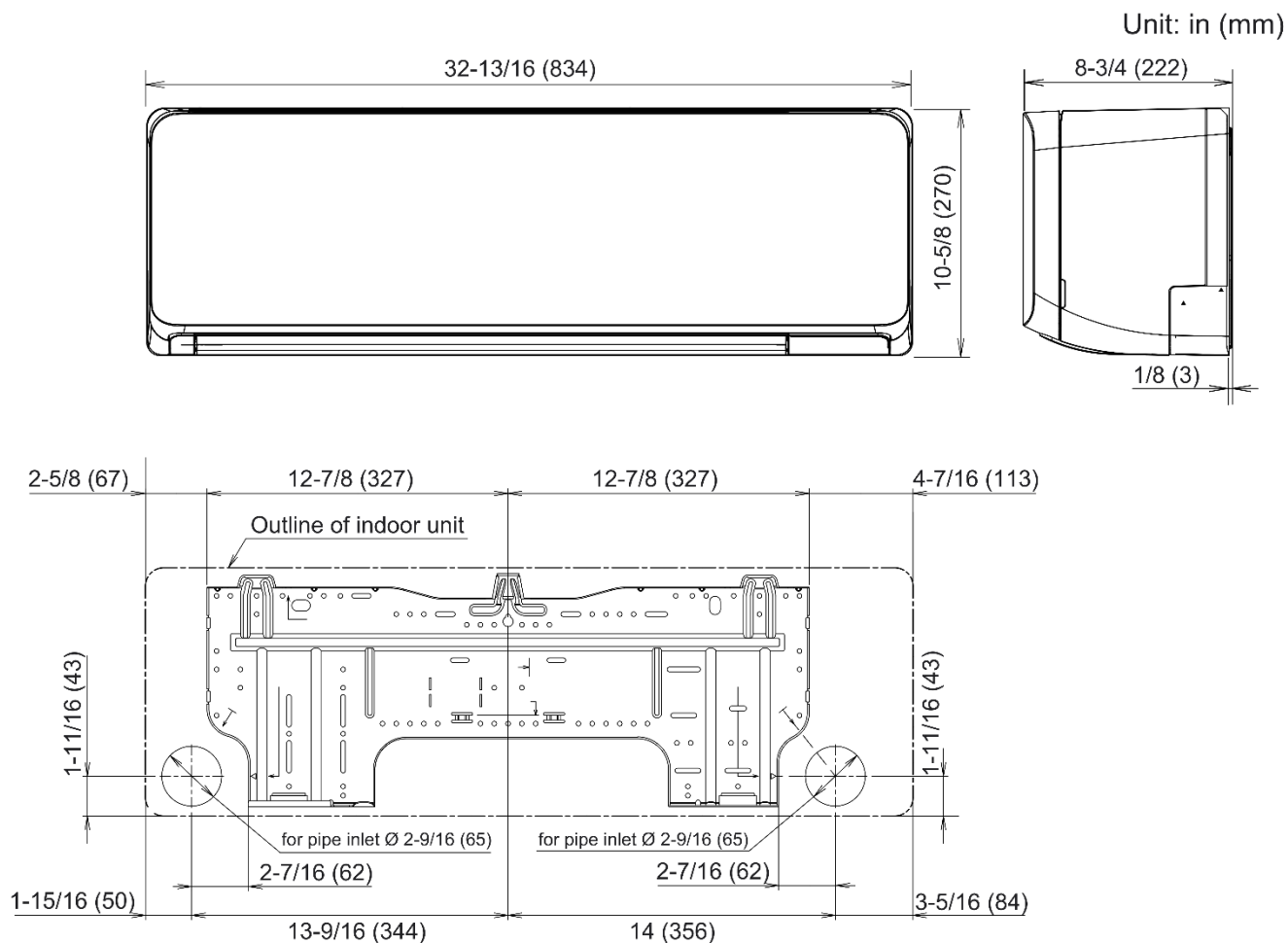
*1 -Requires Communication kit UTY-TWRXZ2 to connect this device to IDU.

*2 -This device may not be used with any other type of controls (central controller, wire/wireless RC, WiFi adapter, BMS interface).

*3 -Connection to AIRSTAGE Cloud requires a compatible AIRSTAGE Mobile adapter connected to the IDU.

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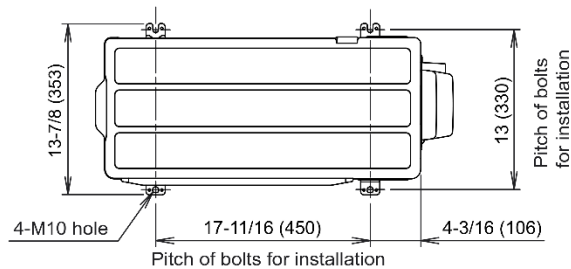
INDOOR UNIT DIMENSIONS:



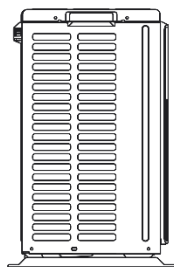
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OUTDOOR UNIT DIMENSIONS:

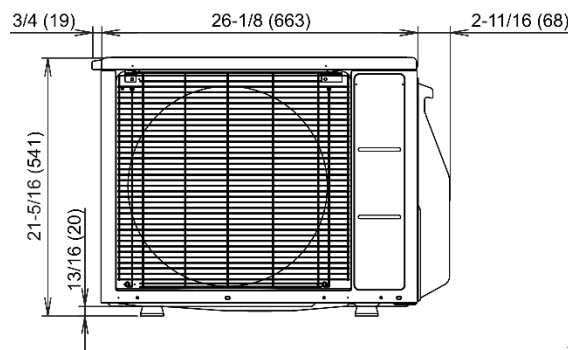
Unit: in (mm)



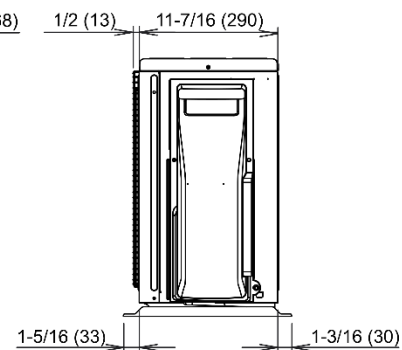
Top view



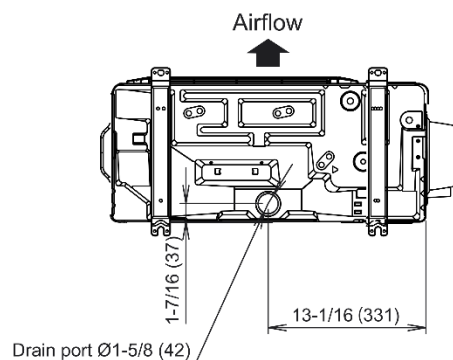
Side view



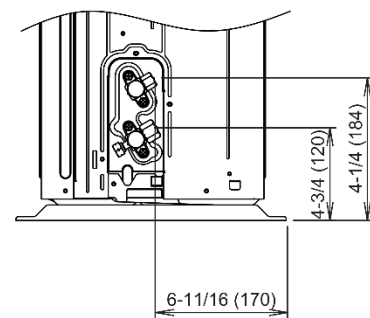
Front view



Side view



Bottom view



Side view (Valve part)

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