

SUBMITTAL - 15KZAH1

Job Name: _____

Date: _____

Location: _____

R32

Indoor Unit: **ASUH15KZAS**

Outdoor Unit: **AOUH15KZAH1**



XLTH

FEATURES

INDOOR UNIT:

- Compact wall-mounted indoor unit providing superior comfort.
- Indoor unit with ProCore™ (High Corrosion Resistant Copper) coils for long-lasting protection against corrosion
- Whisper-quiet operation with sound levels as low as 26dB
- 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 included with the indoor unit
 - Built-in Wi-Fi connectivity for remote monitoring & control via the Airstage Mobile App
 - Occupancy sensor for enhanced energy savings
 - 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:

- Low GWP R-32 systems for reduced environmental impact
- INVERTER-driven compressor that offers superior performance, comfort, and energy savings
- Base pan heater designed for the extreme cold climate region
- Compact outdoor unit with extended line set lengths up to 98ft (30m)
- Up to 24% higher rated heating capacity than nominal capacity
 - 18000 Btu/h Rated Heating Capacity for 15000 Btu/h system
 - Up to 26% higher heating capacity @ -5°F
- 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 in a residence 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: 20250106A

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SPECIFICATIONS:

Indoor Unit					ASUH15KZAS			
Outdoor Unit					AOUH15KZAH1			
System Name					15KZAH1			
AHRI Number					214888804			
SEER2		Cooling			Btu/hW	27.5		
EER2						14.8		
HSPF2		Heating			kW/kW	12.7		
COP2						4.6		
Outdoor Operation Range		Cooling ⁸			°F (°C)	14 to 122 (-10 to 50)		
		Heating				-15 to 75 (-26 to 24)		
Indoor Capacity		Cooling		Rated	Btu/h	14500		
				Min.—Max.		3,100—19,000		
		Heating	47°FDB (Outdoor temp.)			Rated	18000	
			17°FDB (Outdoor temp.) ¹			Min.—Max.	4,150—25,000	
						Rated	11400	
			5°FDB (Outdoor temp.) ²			Max.	22000	
						Rated	21000	
			Max.					
Outdoor Connection pipe		Liquid		in (mm)	Ø1/4 (Ø6.35)			
					Gas		Ø1/2 (Ø12.70)	
		Method			FLARE			
		Pre-charge length			ft (m)	49 (15)		
		Min. length				10 (3)		
		Max. length				98 (30)		
Max. height difference			82 (25)					
Indoor Dimensions (H × W × D)		Net			in (mm)	11 × 38-9/16 × 9-7/16 (280 × 980 × 240)		
		Gross				12-11/16 × 42-7/16 × 13-5/8 (322 × 1,078 × 346)		
Indoor Weight		Net			lb (kg)	28 (12.5)		
		Gross				36 (16.5)		
Outdoor Dimensions (H × W × D)		Net			in (mm)	24-7/8 × 31-7/16 × 11-7/16 (632 × 799 × 290)		
		Gross				27-1/4 × 37 × 14-3/4 (692 × 940 × 375)		
Outdoor Weight		Net			lb (kg)	86 (39)		
		Gross				95 (43)		
Indoor Fan		Cooling		High	CFM (m³/h)	553 (940)		
				Med—High		494 (840)		
				Med		441 (750)		
				Med—Low		371 (630)		
				Low		300 (510)		
				Quiet		230 (390)		
		Heating		High		594 (1,010)		
				Med—High		530 (900)		
				Med		465 (790)		
				Med—Low		371 (630)		
				Low		300 (510)		
				Quiet		230 (390)		
		Type × Qty				CROSSFLOW FAN × 1		
		Outdoor Fan		Motor output			W	59
Airflow rate	Cooling			CFM (m³/h)	1,218 (2,070)			
	Heating				1,348 (2,290)			
Type × Qty				PROPELLER FAN × 1				
Indoor Sound Pressure Level ⁴		Motor output			W	49		
						45		
		Cooling		Med—High	43			
				Med	40			
				Med—Low	36			
				Low	31			
				Quiet	26			
				Heating		High	46	
		Med—High	44					
		Med	41					
		Med—Low	35					
		Low	31					
Quiet	26							
Outdoor Sound Pressure Level ⁴		Cooling				49		
		Heating				50		

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SPECIFICATIONS:

Outdoor Refrigerant		Type		R32	
		Charge	lb oz	2 lb 10 oz	
Additional Charge Calculation			g	1200	
		oz/ft	0.22		
		g/m	20		
Outdoor Refrigerant Oil		Type		RMM68AF	
		Amount	in ³ (cm ³)	24.4 (400)	
Indoor Moisture removal			pints/h (L/h)	5.3 (2.5)	
Indoor Drain hose		Material		POLYPROPYLENE + HIGH-DENSITY POLYETHYLENE	
		Tip Diameter	in (mm)	Ø17/32 (Ø13.8) (I.D.), Ø19/32 to 21/32 (Ø15.0 to 16.8) (O.D.)	
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			5.2	
Maximum Operating Current* ³		Cooling		9.9	
		Heating		14.4	
Outdoor Starting Current		5.2			
MCA* ⁵		17.5			
Wiring spec.* ⁶		20			
Indoor Input Power	Cooling			Rated	0.98
				Min.—Max.	0.15—1.70
	Heating	Rated		1.15	
		Min.—Max.		0.24—2.25	
		Rated		0.97	
		Max.		2.74	
		Rated		2.93	
		Max.			
Indoor Power Factor	Cooling		%	88.8	
	Heating			96.2	
Energy Star* ⁹				ES, ESCC, ESME	

NOTES

- Cooling: Indoor temperature of 80°F (26.67°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 (21.11°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} —*1: Heating (17°F): Indoor temperature of 70°FDB (21.11°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} —*2: Heating (5°F): Indoor temperature of 70°FDB (21.11°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 ED005.
 - 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.
 - *9: The system is designed to operate at a minimum outdoor temperature of -15°F (-26.1°C).
- 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)
BM101WA	Cielo - Breez Max IR Controller w/ WiFi (Black)
BM102WA	Cielo - Breez Max IR Controller w/ WiFi (White)
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 ^{*3}	External input and output PCB
UTY-XWZXZ5	External Connect Kit
UTY-DSGYZ2 ^{*4}	Airstage Edge Controller
UTZ-DUHGG3A	Hail Guard
UTZ-DUSHG3A	Snowhood
UTZ-DUWBG3A	Wind Baffle

NOTES:

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

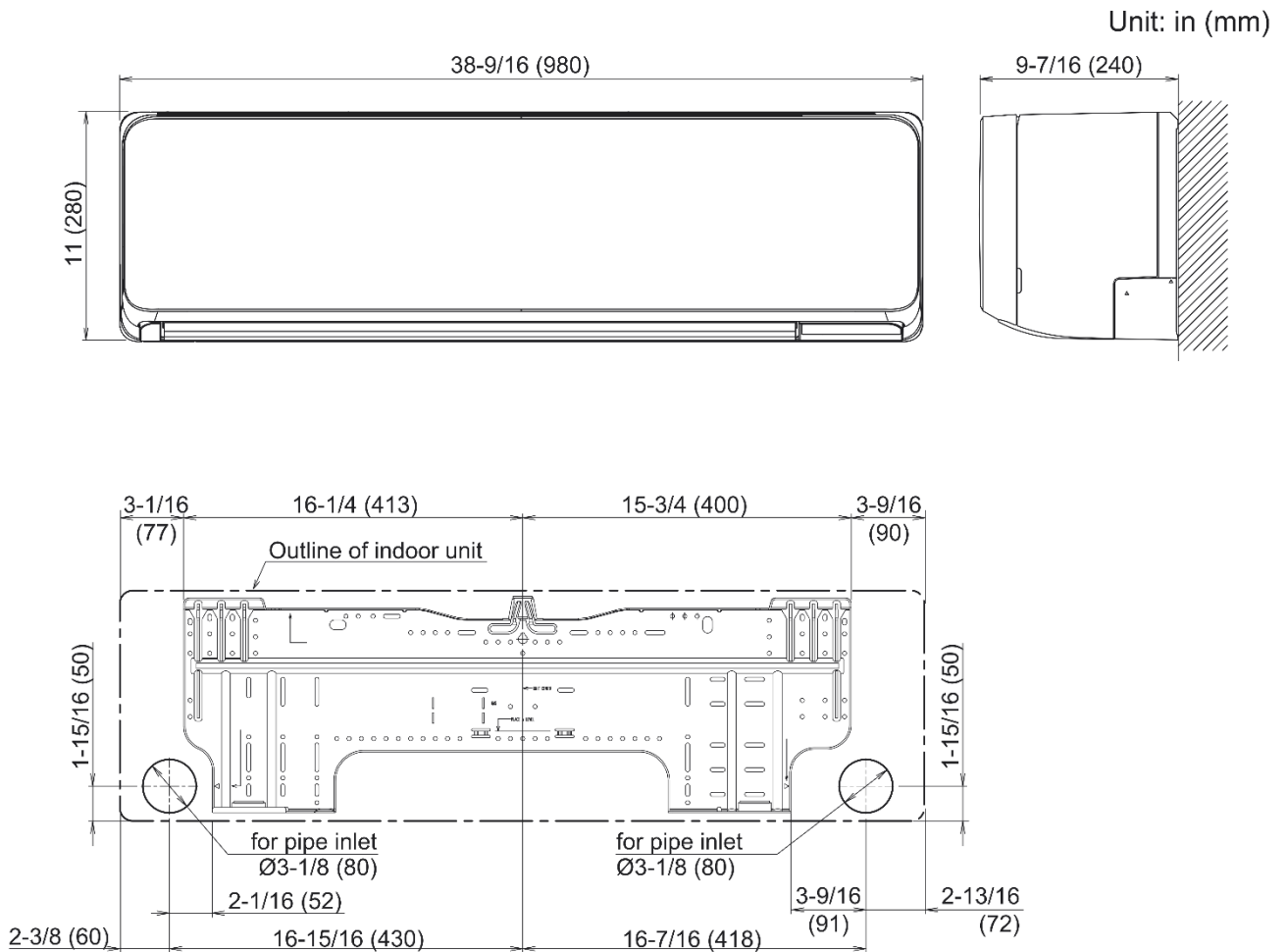
*2 -This device may not be used with any other type of controls (central controller, wire/wireless RC, WiFi adapter, BMS interface).

*3 -On this IDU model, this device and a WiFi adapter cannot be used simultaneously.

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

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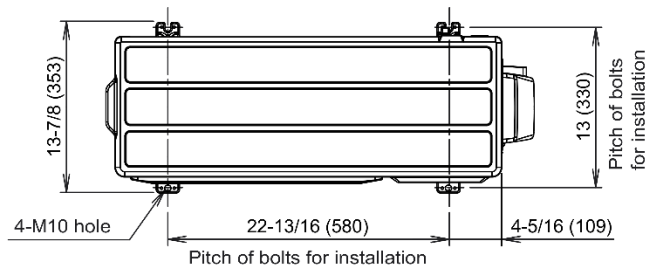
INDOOR UNIT DIMENSIONS:



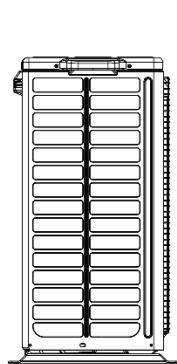
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OUTDOOR UNIT DIMENSIONS:

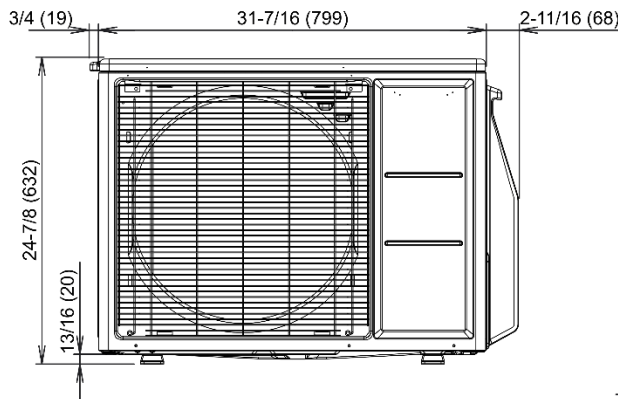
Unit: in (mm)



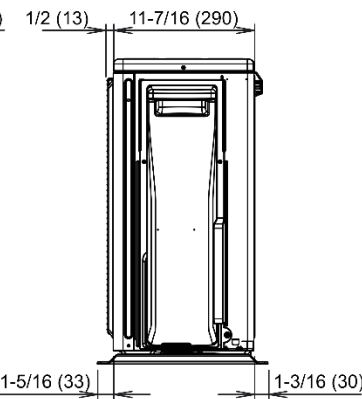
Top view



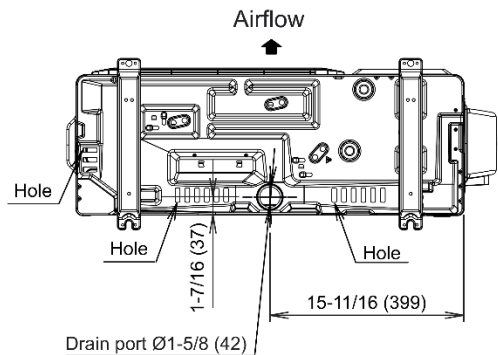
Side view



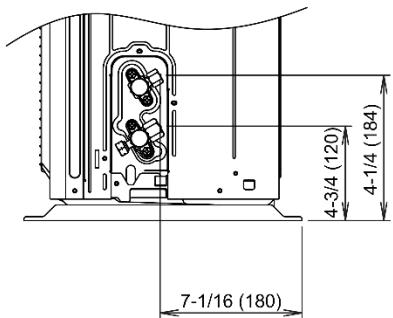
Front view



Side view



Bottom view



Side view (Valve part)

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