

SUBMITTAL - 09KZAH1

Job Name: _____

Date: _____

Location: _____

R32

Indoor Unit: **ASUH09KZAS**

Outdoor Unit: **AOUH09KZAH1**



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 23dB
- 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 82ft (25m)
- Up to 33% higher rated heating capacity than nominal capacity
 - 12000 Btu/h Rated Heating Capacity for 9000 Btu/h system
 - Up to 53% 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: 20250409A

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SPECIFICATIONS:

Indoor Unit					ASUH09KZAS				
Outdoor Unit					AOUH09KZAH1				
System Name					09KZAH1				
AHRI Number					214888800				
SEER2		Cooling			Btu/hW	33.1			
EER2						18.8			
HSPF 2 (IV) / HSPF 2 (V)		Heating			kW/kW	13.3 / 10.7			
COP2						5.34			
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	9000			
				Min.—Max.		3,100—12,500			
		Heating	47°FDB (Outdoor temp.)	Rated		12000			
			17°FDB (Outdoor temp.) ^{*1}	Min.—Max.		3,500—23,000			
				Rated		7500			
			5°FDB (Outdoor temp.) ^{*2}	Max.		17500			
				Rated		15400			
			Outdoor Connection pipe	Size		Liquid			in (mm)
Gas					Ø3/8 (Ø9.52)				
Method				FLARE					
Pre-charge length				ft (m)	49 (15)				
Min. length					10 (3)				
Max. length					82 (25)				
Max. height difference					66 (20)				
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	Airflow rate	Cooling	High	CFM (m³/h)	518 (880)				
			Med—High		453 (770)				
			Med		388 (660)				
			Med—Low		347 (590)				
			Low		300 (510)				
			Quiet		200 (340)				
		Heating	High		571 (970)				
			Med—High		471 (800)				
			Med		406 (690)				
			Med—Low		353 (600)				
			Low		300 (510)				
			Quiet		200 (340)				
	Type × Qty			CROSSFLOW FAN × 1					
	Outdoor Fan	Airflow rate	Motor output			W	59		
			Cooling			CFM (m³/h)	1,089 (1,850)		
		Heating							
Type × Qty			PROPELLER FAN × 1						
Indoor Sound Pressure Level ^{*4}		Cooling			W	49			
						Heating	dB (A)	43	
								High	41
								Med—High	37
								Med	34
								Med—Low	31
		Low	23						
		Quiet	High	44					
			Med—High	41					
			Med	37					
			Med—Low	34					
			Low	31					
Quiet	23								
Outdoor Sound Pressure Level ^{*4}		Cooling			W	46			
		Heating				47			

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SPECIFICATIONS:

Outdoor Refrigerant		Type		R32
		Charge	lb oz	2 lb 9 oz
Additional Charge Calculation			g	1150
		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)	2.3 (1.1)
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		208/230
		Frequency		60
		Available voltage range		187—253
Indoor Current	Cooling		A	2.5
	Heating			3.3
Maximum Operating Current* ³		Cooling		9.4
		Heating		11.9
Outdoor Starting Current				3.3
MCA* ⁵				14.4
Wiring spec.* ⁶		MAX. CKT. BKR* ⁷		15
Indoor Input Power	Cooling	Rated		kW
		Min.—Max.	0.11—0.92	
	Heating	Rated	0.66	
		Min.—Max.	0.20—2.19	
		Rated	0.61	
		Max.	2.06	
		5°FDB (Outdoor temp.)* ¹	Rated	
5°FDB (Outdoor temp.)* ²	Max.			
Indoor Power Factor		Cooling	%	83.5
		Heating		87
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: 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: 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.
 Energy Star ® *9 : ES = Energy Star, ESCC = Energy Star Cold Climate, ESME= Energy Star Most Efficient.

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
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	External input and output PCB
UTY-XWZXZ5	External Connect Kit
UTY-DSGYZ2 ^{*3}	Airstage Edge Controller
UTZ-DUHGG3A	Hail Guard
UTZ-DUSHG3A	Snowhood
UTZ-DUWBG3A	Wind Baffle

NOTES:

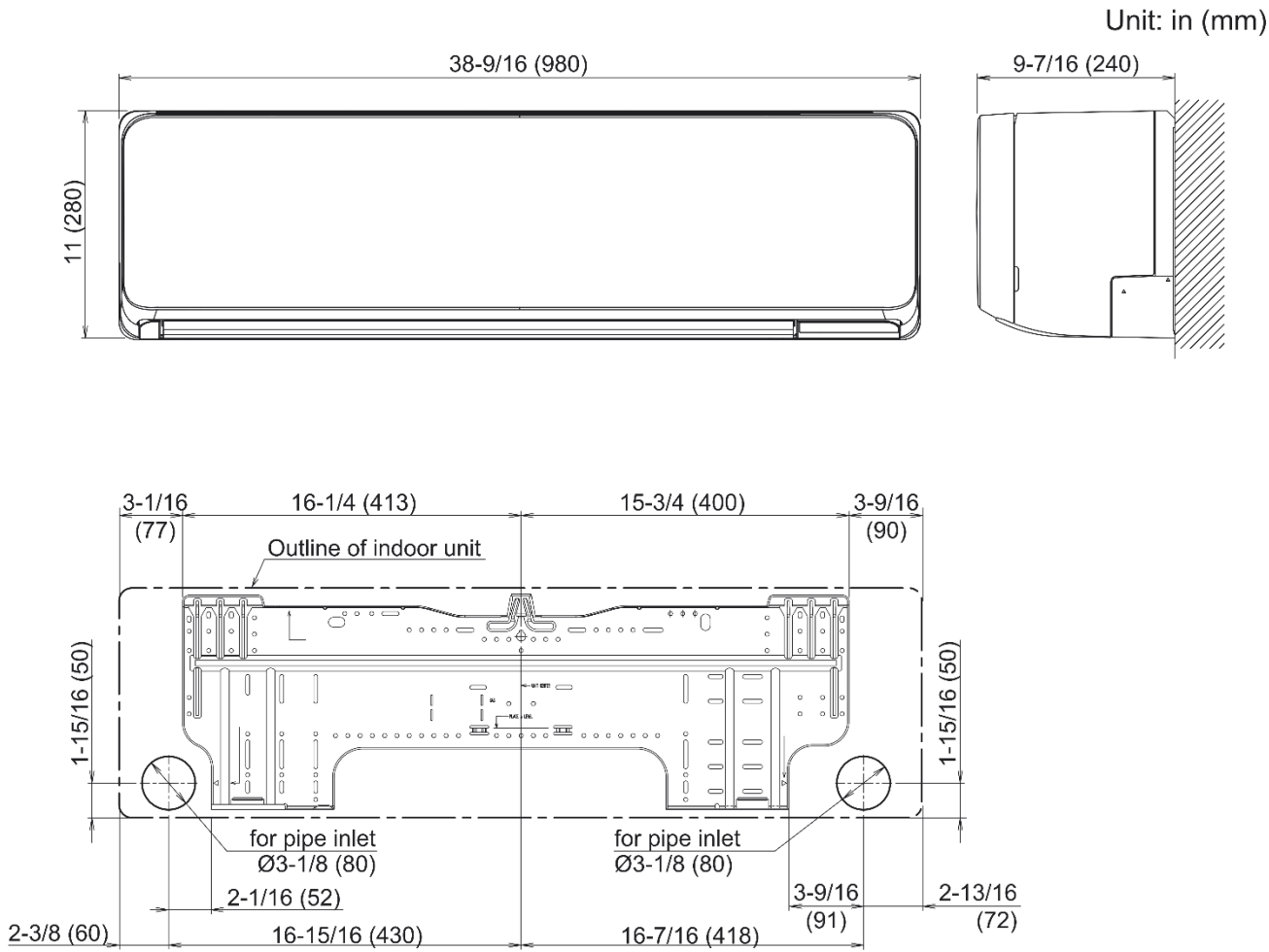
*1 -Requires Communication kit UTY-TWRXZ2 to connect this device to IDU.

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

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

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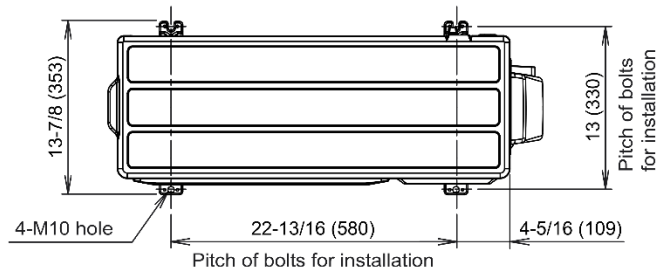
INDOOR UNIT DIMENSIONS:



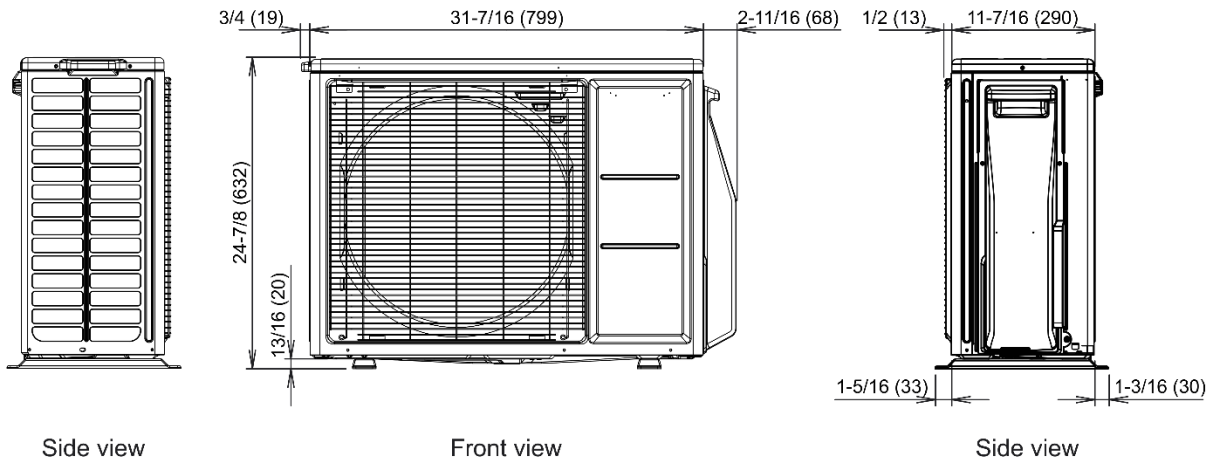
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OUTDOOR UNIT DIMENSIONS:

Unit: in (mm)



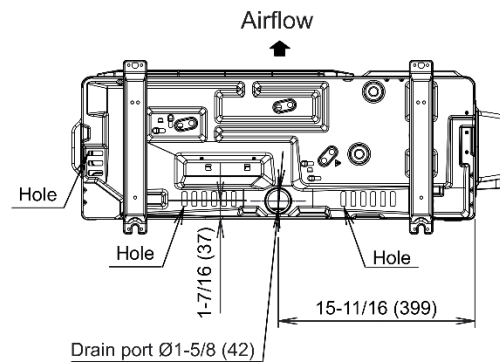
Top view



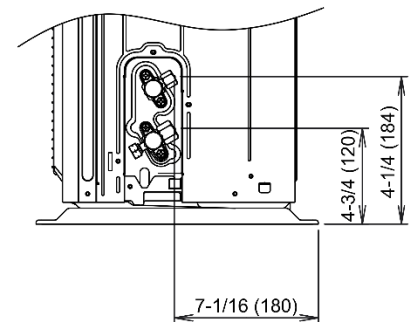
Side view

Front view

Side view



Bottom view



Side view (Valve part)

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