

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: 20250106A

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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	
HSPF2					13.3	
COP2		Heating		kW/kW	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
				5°FDB (Outdoor temp.) ²		Rated
			Max.			17500
				Max.		15400
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			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		Cooling		High	CFM (m³/h)	518 (880)
				Med—High		453 (770)
				Med		388 (660)
				Med—Low		347 (590)
				Low		300 (510)
		Heating		Quiet		200 (340)
				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		
		Motor output		W		59
Airflow rate		Cooling	CFM (m³/h)	1,089 (1,850)		
		Heating				
Outdoor Fan		Type × Qty		PROPELLER FAN × 1		
		Motor output		W	49	
Indoor Sound Pressure Level ⁴		Cooling		High	dB (A)	43
				Med—High		41
				Med		37
				Med—Low		34
				Low		31
		Heating	Quiet	23		
			High	44		
			Med—High	41		
			Med	37		
			Med—Low	34		
Outdoor Sound Pressure Level ⁴				Low	31	
				Quiet	23	
				Cooling	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	0.48
		Min.—Max.	0.11—0.92		
	Heating	Rated	0.66		
		Min.—Max.	0.20—2.19		
		Rated	0.61		
		Max.	2.06		
		Rated	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°F WB (19.44°CWB), and outdoor temperature of 95°F DB (35°CDB)/75°F WB (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).

*1: Heating (17°F): Indoor temperature of 70°FDB (21.11°CWB)/60°FWB (15.56°CWB), and outdoor temperature of 47°FDB (8.33°CWB)/43°FWB (6.11°CWB).

*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)/15°FWB (-9.44°CWB).

Test conditions are based on ASHRAE 210/210-2022

* 4:

Indoor Sound Pressure Level, $-^*4$: *Measured only in many factory-built speech chambers.

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.

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
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:

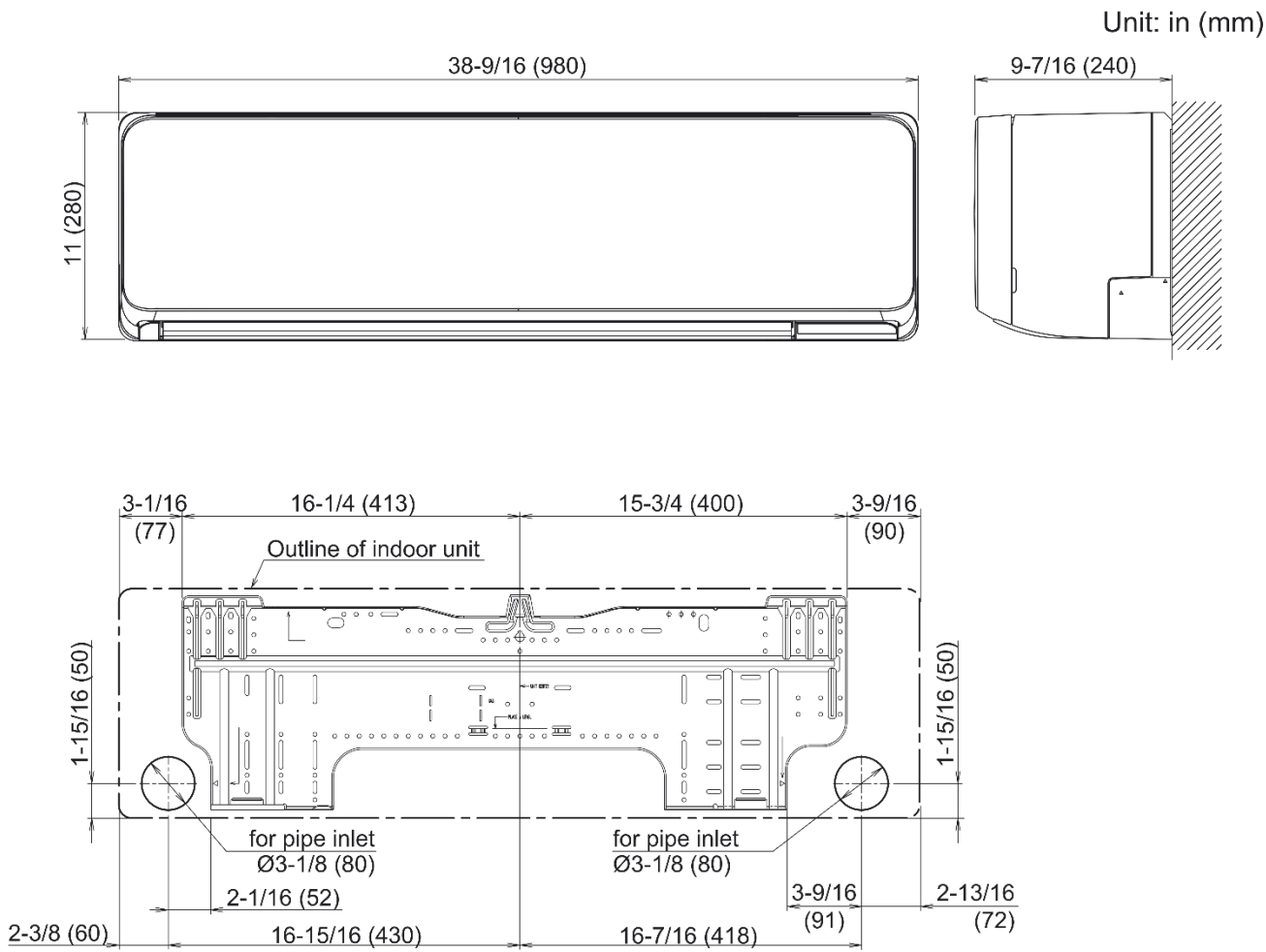
*1 -Requires Communication kit UTY-TWRXZ2 to connect this device to IDU.

*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)

