

SUBMITTAL - 18KZAH1

Job Name: _____

Date: _____

Location: _____

R32

Indoor Unit: **ASUH18KZAS**

Outdoor Unit: **AOUH18KZAH1**



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 30dB
- 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 164ft (50m)
- Up to 20% higher rated heating capacity than nominal capacity
 - 21600 Btu/h Rated Heating Capacity for 18000 Btu/h system
 - Up to 27% 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: 20250825A

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SPECIFICATIONS:

Indoor Unit					ASUH18KZAS			
Outdoor Unit					AOUH18KZAH1			
System Name					18KZAH1			
AHRI Number					215647921			
SEER2		Cooling		Btu/hW	25.5			
EER2					14			
HSPF 2 (IV) / HSPF 2 (V)		Heating		kW/kW	12.5 / 10.1			
COP2					4.36			
Outdoor Operation Range		Cooling		°F (°C)	14 to 122 (-10 to 50)			
		Heating			-15 to 75 (-26 to 24)			
Indoor Capacity		Cooling		Rated	Btu/h	18000		
				Min.—Max.		7,000—26,200		
		Heating	47°FDB (Outdoor temp.)			Rated	21600	
						Min.—Max.	8,000—31,800	
			17°FDB (Outdoor temp.) ¹			Rated	13600	
						Max.	27200	
		5°FDB (Outdoor temp.) ²		Rated		24800		
				Max.		25400		
Outdoor Connection pipe		Size	Liquid		in (mm)	Ø3/8 (Ø9.52)		
			Gas			Ø5/8 (Ø15.88)		
		Method			ft (m)	FLARE		
		Pre-charge length				66 (20)		
		Min. length				16 (5)		
		Max. length				164 (50)		
Max. height difference			98 (30)					
Indoor Dimensions (H × W × D)		Net		in (mm)	13-3/8 × 45-1/4 × 11 (340 × 1,150 × 280)			
		Gross			15-15/16 × 50 × 17-11/16 (405 × 1,270 × 450)			
Indoor Weight		Net		lb (kg)	36 (16.5)			
		Gross			49 (22.0)			
Outdoor Dimensions (H × W × D)		Net		in (mm)	31 × 37 × 12-5/8 (788 × 940 × 320)			
		Gross			38-1/16 × 40-7/16 × 17-1/2 (966 × 1,027 × 445)			
Outdoor Weight		Net		lb (kg)	117 (53)			
		Gross			134 (61)			
Indoor Fan		Airflow rate	Cooling	High	CFM (m³/h)	624 (1,060)		
				Med—High		571 (970)		
				Med		518 (880)		
				Med—Low		471 (800)		
				Low		430 (730)		
				Quiet		371 (630)		
		Heating	High	677 (1,150)				
			Med—High	583 (990)				
			Med	518 (880)				
			Med—Low	471 (800)				
			Low	430 (730)				
			Quiet	371 (630)				
		Type × Qty				CROSSFLOW FAN × 1		
		Outdoor Fan		Motor output		W	78	
Airflow rate	Cooling			CFM (m³/h)	1,666 (2,830)			
	Heating				1,725 (2,930)			
Type × Qty				PROPELLER FAN × 1				
Motor output			W	100				
Indoor Sound Pressure Level ¹⁴		Cooling	High	dB (A)	44			
			Med—High		42			
			Med		39			
			Med—Low		36			
			Low		33			
			Quiet		30			
		Heating	High		46			
			Med—High		42			
			Med		38			
			Med—Low		36			
			Low		34			
			Quiet		30			
Outdoor Sound Pressure Level ¹⁴		Cooling		47				
		Heating		50				

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SPECIFICATIONS:

Outdoor Refrigerant		Type		R32
		Charge	lb oz	3 lb 12 oz
g	1700			
Additional Charge Calculation			oz/ft	0.43
			g/m	40
Outdoor Refrigerant Oil		Type		RMM68AF
		Amount	in³ (cm³)	48.8 (800)
Indoor Moisture removal			pints/h (L/h)	7.6 (3.6)
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)	86 or less (30 or less)
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	5.9
	Heating			6.5
Maximum Operating Current* ³		Cooling		15.4
		Heating		15.9
Outdoor Starting Current				6.5
MCA* ⁵				19.4
Wiring spec.* ⁶		MAX. CKT. BKR* ⁷		20
Indoor Input Power	Cooling			Rated
			Min.—Max.	0.40—2.45
	Heating	Rated	1.45	
		Min.—Max.	0.43—2.90	
		Rated	1.2	
		Max.	3.47	
		Rated	3.5	
		Max.	3.69	
Indoor Power Factor	Cooling		%	95.1
	Heating			97
Energy Star				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°F DB (21.11°CDB)/60°F WB (15.56°CWB), and outdoor temperature of 47°F DB (8.33°CDB)/43°F WB (6.11°CWB).
- *1: Heating (17°F): Indoor temperature of 70°F DB (21.11°CDB)/60°F WB (15.56°CWB), and outdoor temperature of 17°F DB (–8.33°CDB)/15°F WB (–9.44°CWB).
- *2: Heating (5°F): Indoor temperature of 70°F DB (21.11°CDB)/60°F WB (15.56°CWB), and outdoor temperature of 5°F DB (–15.0°CDB)/4°F WB (–15.56°CWB).
- Test conditions are based on AHRI 210/240 2023.
- *4: Indoor Sound Pressure Level
- Measured values in manufacturer's anechoic chamber.
- *5: 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)
- Wiring spec. – *6: Selected sample based on Japan Electrotechnical Standards and Codes Committee E0005.
- 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

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-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.

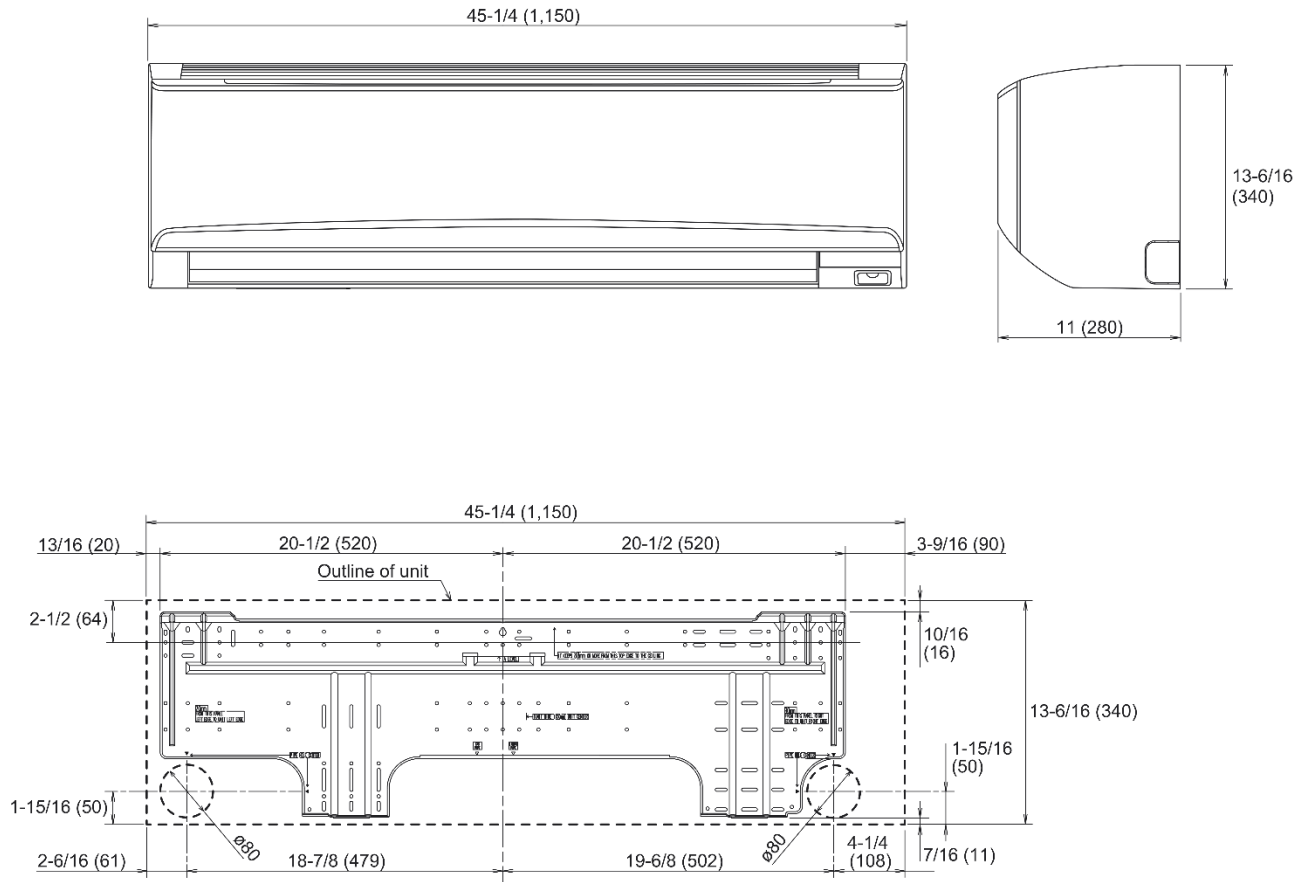
*2 -This device may not be used with any other type of controls (central controller, wire/wireless RC, WiFi adapter, BMS interface).

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

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INDOOR UNIT DIMENSIONS:

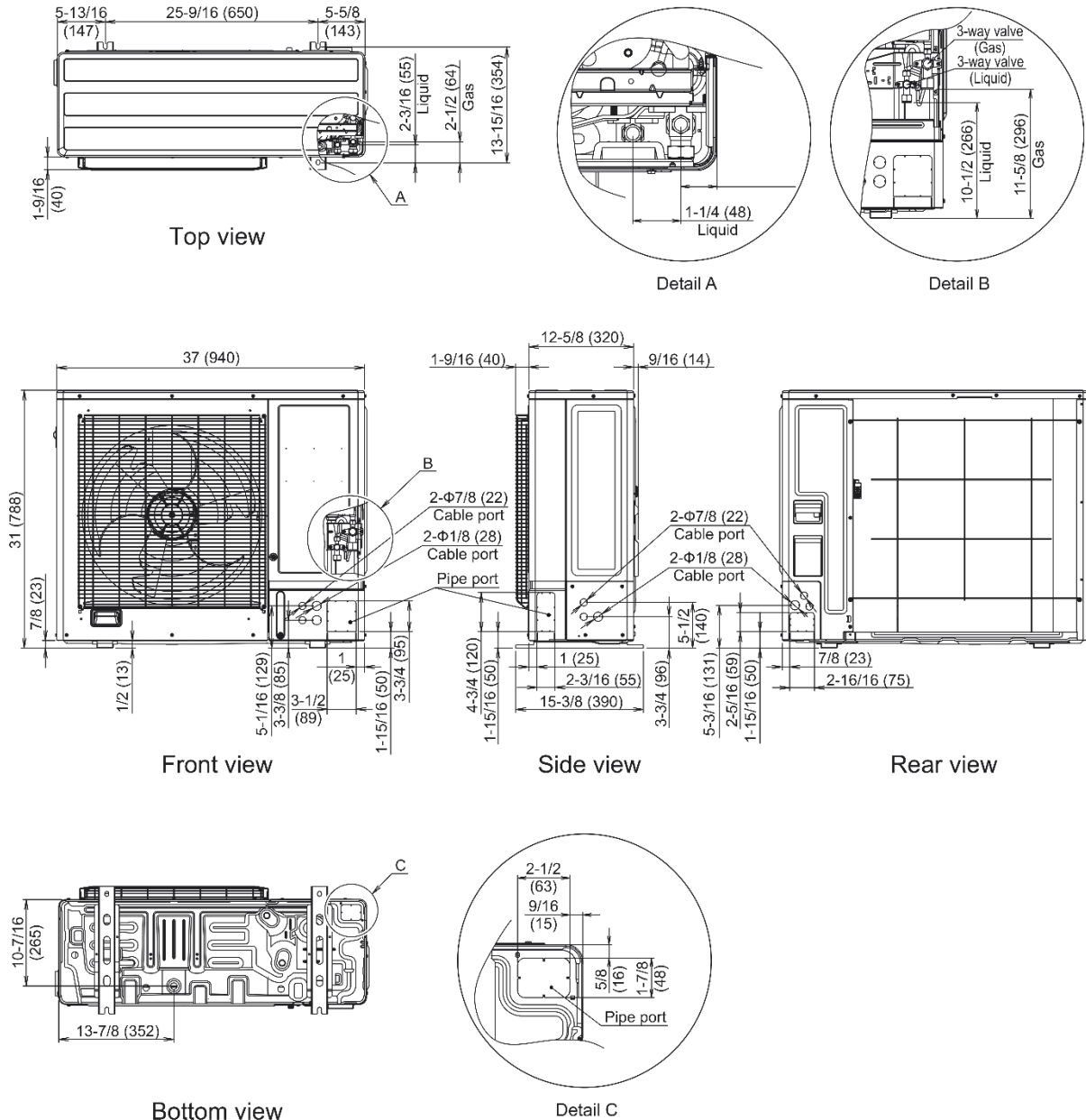
Unit: in (mm)



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OUTDOOR UNIT DIMENSIONS:

Unit: in (mm)



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