

# SUBMITTAL - 18KUAS1B

Job Name: _____	Date: _____
Location: _____	



Indoor Unit: **ABUH18KUAS**

Outdoor Unit: **AOUH18KUAS1**



**FEATURES**  
**INDOOR UNIT:**

- Ceiling-suspended 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 31dB
- Multiple fan speed options; Auto, High, Med, 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:
  - Seamless control using the optional IR Receiver and Wireless Remote Controller kit
  - Optional Wi-Fi connectivity enables remote monitoring through the Airstage Mobile App
  - 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
- Optional drain pump unit for efficient water removal and flexible installation
- Offers group control, allowing seamless management of multiple units simultaneously
- 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 options 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
- Compact outdoor unit with extended line set lengths up to 98ft (30m)
- Up to 20% higher rated heating capacity than nominal capacity



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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# SUBMITTAL - 18KUAS1B

## SPECIFICATIONS:

Indoor Unit				<b>ABUH18KUAS</b>				
Outdoor Unit				<b>AOUH18KUAS1</b>				
System Name				18KUAS1B				
AHRI Number				215434548				
SEER2	Cooling		Btu/hW	23.4				
EER2				12.9				
HSPF2	Heating		kW/kW	11.2				
COP2				3.64				
Outdoor Operation Range		Cooling		-5 to 122*8 (-21 to 50*8)				
		Heating		-5 to 75 (-21 to 24)				
Indoor Capacity		Cooling		Btu/h	18000			
					3,100—20,100			
		Heating	47°FDB (Outdoor temp.)	Rated	21600			
				Min.—Max.	3,100—25,600			
			17°FDB (Outdoor temp.) <sup>1</sup>	Rated	14400			
				Max.	19300			
5°FDB (Outdoor temp.) <sup>2</sup>	Rated	17100						
	Max.							
Outdoor Connection pipe		Liquid		in (mm)	Ø1/4 (Ø6.35)			
		Gas			Ø1/2 (Ø12.70)			
		Method		FLARE				
		Pre-charge length		ft (m)	66 (20)			
		Min. length			16 (5)			
		Max. length			98 (30)			
Max. height difference		49 (15)						
Indoor Dimensions (H × W × D)		Net		in (mm)	9-1/4 × 42-1/2 × 27-3/4 (235 × 1,080 × 705)			
		Gross			13 × 45-7/8 × 32-1/2 (330 × 1,165 × 825)			
Indoor Weight		Net		lb (kg)	53 (24)			
		Gross			73 (33)			
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)	84 (38)			
		Gross			93 (42)			
Indoor Fan		Cooling		CFM (m <sup>3</sup> /h)	494 (840)			
					Med	465 (790)		
					Low	418 (710)		
					Quiet	383 (650)		
		Heating			High	494 (840)		
					Med	465 (790)		
					Low	418 (710)		
					Quiet	383 (650)		
		Type × Qty					SIROCCO FAN × 2	
		Motor output			W		50	
Outdoor Fan		Cooling		CFM (m <sup>3</sup> /h)	1,318 (2,240)			
		Heating			1,154 (1,960)			
		Type × Qty				PROPELLER FAN × 1		
		Motor output		W		49		
Indoor Sound Pressure Level <sup>4</sup>		Cooling		dB (A)	38			
					Med	36		
					Low	33		
					Quiet	31		
		Heating			High	38		
					Med	36		
					Low	33		
					Quiet	31		
Outdoor Sound Pressure Level <sup>4</sup>		Cooling		52				
		Heating		55				

# SUBMITTAL - 18KUAS1B

## SPECIFICATIONS:

Outdoor Refrigerant	Type		R32	
	Charge	lb oz	2 lb 12 oz	
		g	1250	
Additional Charge Calculation		oz/ft	0.22	
		g/m	20	
Outdoor Refrigerant Oil	Type		RMM68AF	
	Amount	in <sup>3</sup> (cm <sup>3</sup> )	24.4 (400)	
Indoor Moisture removal		pints/h (L/h)	4.9 (2.3)	
Indoor Drain hose	Material		POLYVINYL CHLORIDE	
	Tip Diameter	in (mm)	Ø13/16 (Ø20.7) (I.D.), Ø1-1/16 (Ø26.6) (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	Rated	A	
	Heating			
Maximum Operating Current <sup>*3</sup>		Cooling	6.2	
		Heating	7.6	
Outdoor Starting Current			12.2	
MCA <sup>*5</sup>			14.8	
Wiring spec. <sup>*6</sup>			7.6	
MAX. CKT. BKR <sup>*7</sup>			14.8	
Indoor Input Power	Cooling	Rated	20	
		Min.—Max.	1.39	
	Heating	Rated	kW	0.18—2.01
		Min.—Max.		1.73
		Rated		0.15—2.86
		Max.		1.45
		Max.		2.4
Indoor Power Factor		%	97.5	
Energy Star <sup>*9</sup>			99	
			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.)
- 5°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).
- \*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
- Outdoor Sound Pressure Level
- Measured values in manufacturer's anechoic chamber.
- 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
- 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.

## SUBMITTAL - 18KUAS1B

### ACCESSORIES:

Model Number	Description
UTY-RVRU	KAGAMI - Touch Panel Wired Controller
UTY-RNRUZ5	Touch Panel Wired Remote Controller
UTY-RHRY	Simple Wired Remote (Without Mode Function) - Hospitality
UTY-RSRY	Simple Wired Remote (With Mode Function)
UTY-LBTUH	IR Receiver Kit w/ Wireless Remote Controller (Ceiling Susp.)
UTY-TFSXJ4	Wi-Fi adapter (WiFi Interface Module UART Type)
FJ-AC-WIFI-1	Intesis Wi-Fi Device: Wired Module
FJ-IR-WIFI-1NA <sup>*1</sup>	Intesis IR Wireless AC Cloud Control Interface (Intesis Home app)
BM101WA <sup>*1</sup>	Cielo - Breez Max IR Controller w/ WiFi (Black)
BM102WA <sup>*1</sup>	Cielo - Breez Max IR Controller w/ WiFi (White)
UTY-VMSX	Modbus Converter
UTY-VTGX	Network Converter - Convert H-Series Comm. Protocol to V/J-Series Comm.
FJ-AC-485-1	Intesis - BACnet MSTP & Modbus RTU Gateway
UTY-TERX	External Switch Controller
UTY-TTRXZ1 <sup>*2</sup>	24V Thermostat Interface
TTRXZ1-KIT <sup>*2</sup>	24V Thermostat Interface Kit (UTY-TTRXZ1, UTY-WiFi Plug & 24V Transformer)
UTY-XCSX	External input and output PCB
UTY-XWZXZG	External Connect Kit
UTZ-GXEA	External input and output PCB box
UTY-DSGYZ2 <sup>*3</sup>	Airstage Edge Controller
UTZ-DUHGG2A	Hail Guard
UTZ-DUSHG2A	Snowhood
UTZ-DUWBG2A	Wind Baffle

NOTES:

\*1 -Requires IR receiver kit UTY-LBTUH to connect this device to IDU.

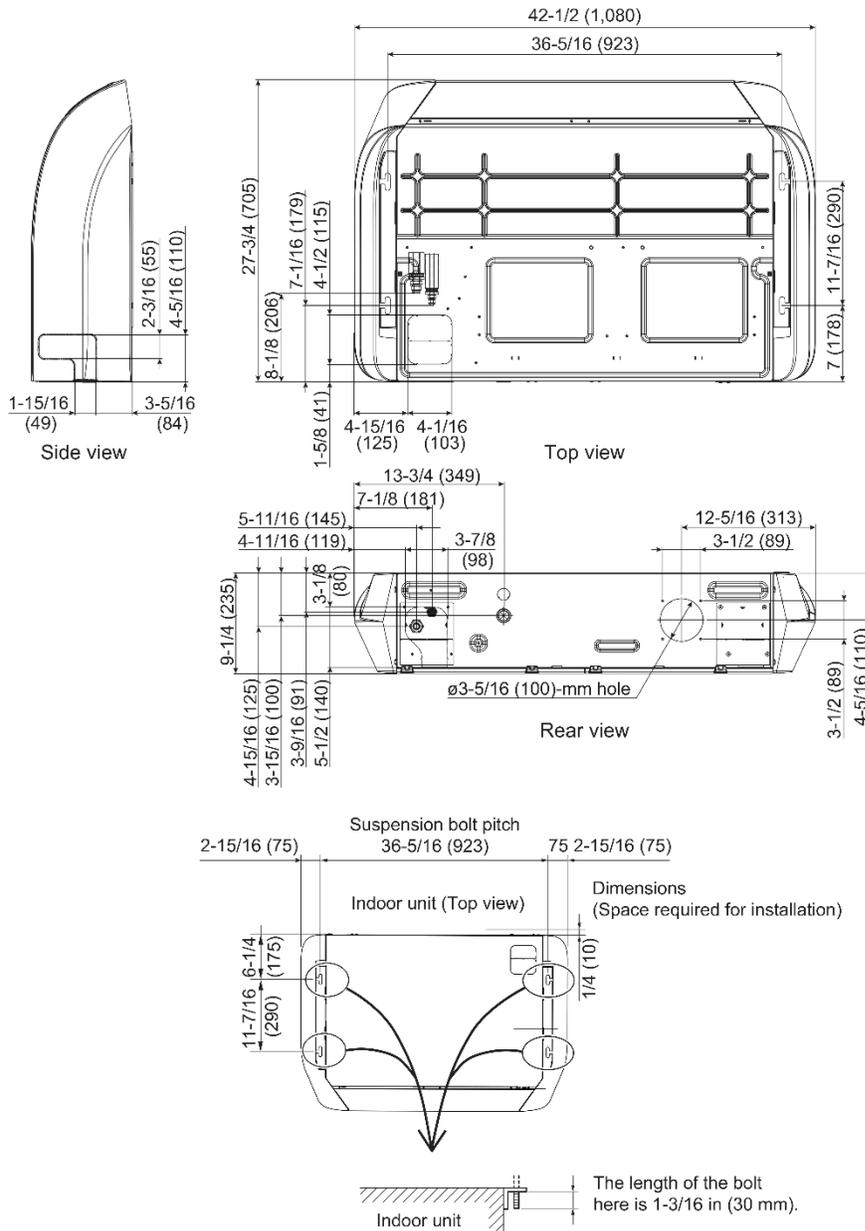
\*2 -This device may not be used with any other type of controls (central controller, wire/wireless RC, WiFi adapter, BMS interface).

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

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## INDOOR UNIT DIMENSIONS:

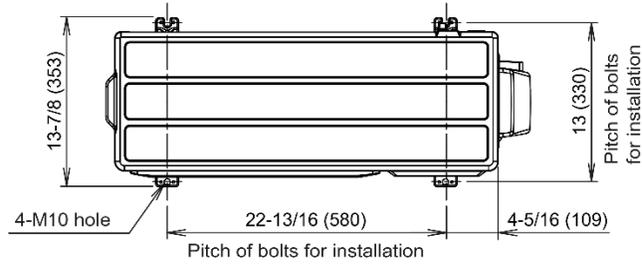
Unit: in (mm)



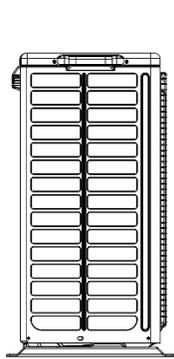
# SUBMITTAL - 18KUAS1B

## OUTDOOR UNIT DIMENSIONS:

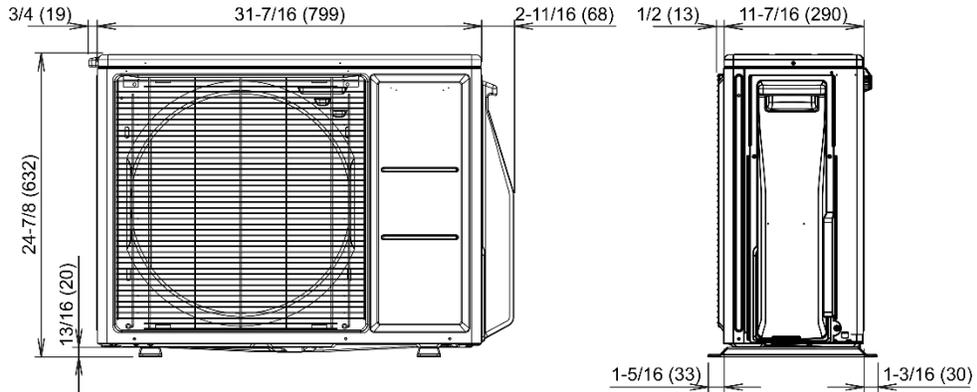
Unit: in (mm)



Top view



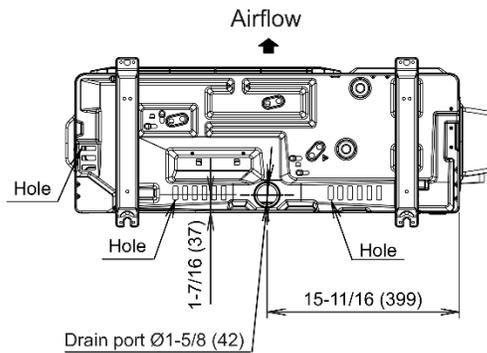
Side view



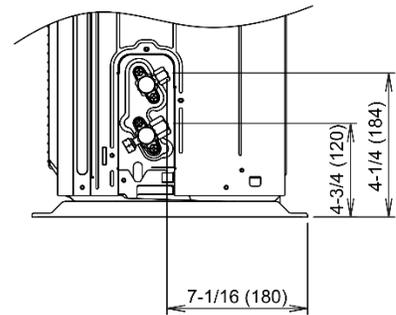
Front view



Side view



Bottom view



Side view (Valve part)

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