Job Name: _____   Date: _____

Location: _____

R32

Indoor Unit: **AUUH48KUAS**

Outdoor Unit: **AOUH48KUAS1**

FEATURES

INDOOR UNIT:
- Circular-Flow cassette 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 36dB
- 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
- Built-in drain pump for efficient water removal making installation and maintenance easier
- Optional fresh air kit, designed to boost indoor air quality and comfort
- 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)
  - Optional human sensor detects room occupancy to enhance energy savings.
  - Offers group control, allowing seamless management of multiple units simultaneously.
  - Cassette Grille option available in sleek white and bold black colors to perfectly complement any space

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 246ft (75m)
- Blue 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.

Intertek

LISTED

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SPECIFICATIONS:

Indoor Unit					**AUUH48KUAS**
Outdoor Unit					**AOUH48KUAS1**
System Name					48KUAS1U
AHRI Number					215812201
SEER2		Cooling		Btu/hW	18.2
EER2					10.1
HSPF2		Heating		kW/kW	10.2
COP2					3.46
Outdoor Operation Range		Cooling		°F (°C)	-5 to 122*8 (-21 to 50*8)
		Heating			-5 to 75 (-21 to 24)
Indoor Capacity		Cooling	Rated	Btu/h	46000
			Min.—Max.		15,400—48,000
	Heating	47°FDB (Outdoor temp.)	Rated		51000
			Min.—Max.		16,000—56,000
		17°FDB (Outdoor temp.)*1	Rated		36000
			Max.		43200
		5°FDB (Outdoor temp.)*2	Rated		38500
			Max.		
Outdoor Connection pipe	Size	Liquid		in (mm)	Ø3/8 (Ø9.52)
		Gas			Ø5/8 (Ø15.88)
		Method			FLARE
		Pre-charge length		ft (m)	98 (30)
		Min. length			16 (5)
		Max. length			246 (75)
		Max. height difference			98 (30)
Indoor Dimensions (H × W × D)		Net		in (mm)	11-5/16 × 33-1/16 × 33-1/16 (288 × 840 × 840)
		Gross			13-3/8 × 37-3/8 × 38-3/16 (340 × 950 × 970)
Indoor Weight		Net		lb (kg)	64 (29)
		Gross			73 (33)
Outdoor Dimensions (H × W × D)		Net		in (mm)	39-5/16 × 37 × 12-5/8 (998 × 940 × 320)
		Gross			46-5/16 × 40-7/16 × 17-1/2 (1,176 × 1,027 × 445)
Outdoor Weight		Net		lb (kg)	157 (71)
		Gross			176 (80)
Indoor Fan	Airflow rate	Cooling	High	CFM (m³/h)	1,236 (2,100)
			Med		1,048 (1,780)
			Low		942 (1,600)
			Quiet		765 (1,300)
		Heating	High		1,236 (2,100)
			Med		1,048 (1,780)
			Low		942 (1,600)
			Quiet		765 (1,300)
		Type × Qty			TURBO FAN × 1
		Motor output		W	81
Outdoor Fan	Airflow rate	Cooling		CFM (m³/h)	2,619 (4,450)
		Heating			
		Type × Qty			PROPELLER FAN × 1
		Motor output		W	120
Indoor Sound Pressure Level*4		Cooling	High	dB (A)	48
			Med		44
			Low		41
			Quiet		36
		Heating	High		48
			Med		44
			Low		41
			Quiet		36
Outdoor Sound Pressure Level*4		Cooling			57
		Heating			59

SPECIFICATIONS:

Outdoor Refrigerant	Type			R32
	Charge	lb oz		5 lb 15 oz
		g		2700
Additional Charge Calculation		oz/ft		0.44
		g/m		40
Outdoor Refrigerant Oil	Type			RMM68AF
	Amount	in³ (cm³)		70.2 (1,150)
Indoor Moisture removal		pints/h (L/h)		10.6 (5.0)
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		208/230
	Frequency	Hz		60
	Available voltage range	V		187—253
Indoor Current	Cooling	Rated	A	20
	Heating			19
Maximum Operating Current*3		Cooling		25
		Heating		
Outdoor Starting Current				20
MCA*5				25
Wiring spec.*6	MAX. CKT. BKR*7			30
Indoor Input Power	Cooling		Rated	kW	4.55
			Min.—Max.		0.63—4.83
	Heating	47°FDB (Outdoor temp.)	Rated		4.32
			Min.—Max.		0.67—4.67
		17°FDB (Outdoor temp.)*1	Rated		3.57
			Max.		
		5°FDB (Outdoor temp.)*2	Rated		4.83
			Max.		
Indoor Power Factor	Cooling		%		98.9
	Heating				
Energy Star*9					ESCC, ESME

NOTES:

17°FDB (Outdoor temp.), 5°FDB (Outdoor temp.)	– 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).
	– *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.
Indoor Sound Pressure Level, Outdoor Sound Pressure Level	– *4:
	– 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.
Maximum Operating Current	– *3:
	– 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.

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-LBTUC	IR Receiver Kit w/ Wireless Remote Controller (Circular Flow Cassettes)
UTY-TFSXJ4	Wi-Fi adapter (WiFi Interface Module UART Type)
FJ-AC-WIFI-1	Intesis Wi-Fi Device: Wired Module
FJ-IR-WIFI-1NA[1]	Intesis IR Wireless AC Cloud Control Interface (Intesis Home app)
BM101WA[1]	Cielo - Breez Max IR Controller w/ WiFi (Black)
BM102WA[1]	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[2]	24V Thermostat Interface
TTRXZ1-KIT[2]	24V Thermostat Interface Kit (UTY-TTRXZ1, UTY-WIFi Plug & 24V Transformer)
UTY-SHZXC	Human Sensor Kit
UTY-XCSX	External input and output PCB
UTY-XWZXZG	External Connect Kit
UTZ-GXRA	External input and output PCB box
UTZ-KXRA	High Humidity Insulation Kit
UTZ-VXRA	Fresh Air Intake Kit
UTR-YDZK	Air outlet shutter plate
UTD-LFNB	Long Life Filter (18/24/30k units)
UTD-LFNC	Long Life Filter (12k units)
UTY-DSGYZ2[3]	Airstage Edge Controller
UTG-LCGVCW	Cassette Grille (White)
UTG-LCGVCB	Cassette Grille (Black)

NOTES:

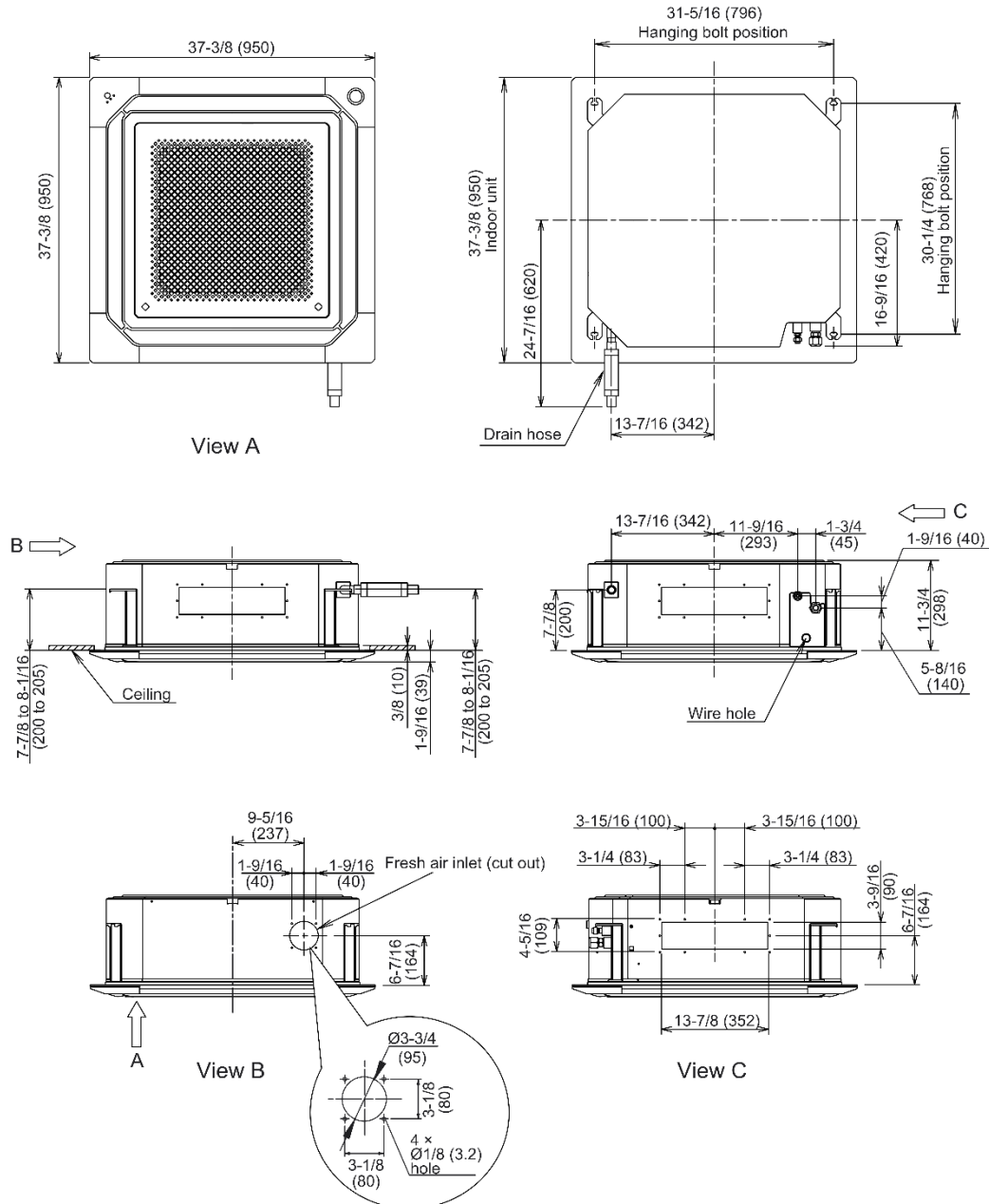*1 –Requires IR receiver kit UTY-LBTUC to connect this device to IDU.

*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)

View A

View B

View C

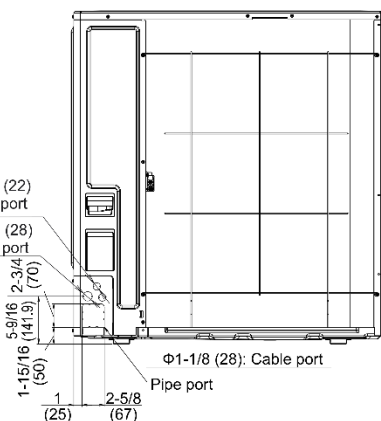**OUTDOOR UNIT DIMENSIONS:**

Unit: in (mm)
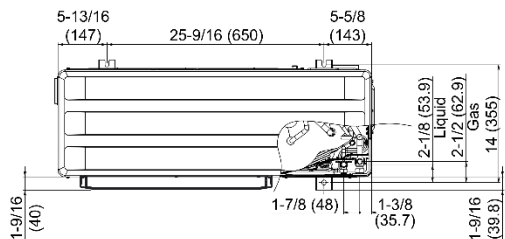
Top view
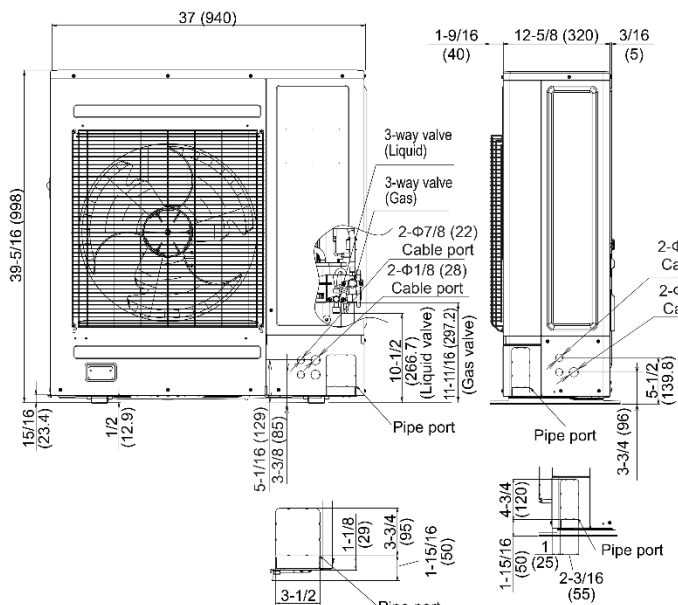
Front view

Side view

Rear view

Bottom view

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