

SUBMITTAL - 36KUAH1B

Job Name: _____

Date: _____

Location: _____

R32

Indoor Unit: **ABUH36KUAS**

Outdoor Unit: **AOUH36KUAH1**



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 32dB
- 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
- Common Outdoor Unit compatible with all non-wall-mounted indoor unit types
- INVERTER-driven compressor that offers superior performance, comfort, and energy savings
- Built-in base pan heater for low ambient conditions
- Factory pre-charged for up to 98 ft (30 m) of refrigerant piping
- Compact outdoor units with extended line set lengths up to 246ft (75m)
- Low ambient operation with heating down to -15°F and cooling down to -5°F
- Exceeds 100% heating capacity at 0°F and 80% at -15°F (Dry bulb)
- 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.



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>

SUBMITTAL - 36KUAH1B

SPECIFICATIONS:

Indoor Unit				ABUH36KUAS		
Outdoor Unit				AOUH36KUAH1		
System Name				36KUAH1B		
AHRI Reference #				217895707		
Efficiency	SEER2		Btu/hW	20.5		
	EER2			12.2		
	HSPF 2 (IV) / HSPF 2 (V)			10.5 / 8.4		
	COP2		kW/kW	4		
Energy Star ⁹				ES, ESCC, ESME		
Operation Range	Cooling		°F (°C)	-5 to 122*8 (-21 to 50*8)		
	Heating			-15 to 75 (-26 to 24)		
Capacity	Cooling		Btu/h	36,000		
				9,600—39,000		
	Heating	47°FDB (Outdoor temp.)		Rated	38,000	
				Min.—Max.	9,200—43,000	
		17°FDB (Outdoor temp.) ¹		Rated	25,200	
				Max.	40,900	
		5°FDB (Outdoor temp.) ²		Rated	40,000	
				Max.	40,000	
Connection pipe	Size		in (mm)	Ø3/8 (Ø9.52)		
				Ø5/8 (Ø15.88)		
	Method			Flare		
	Pre-charge length		ft (m)	98 (30)		
	Min. length			17(5)		
	Max. length			246 (75)		
Max. height difference		98 (30)				
Indoor Dimensions (H x W x D)	Net		in (mm)	9-1/4 x 66-15/16x 27-3/4 (235 x 1,700 x 705)		
	Gross			x 1,785 x 825) 13 x 70-1/4 x 32-1/2 (330)		
Indoor Weight	Net		lb (kg)	84 (38)		
	Gross			106 (48)		
Outdoor Dimensions (H x W x D)	Net		in (mm)	39-5/16 x 37 x 12-5/8 (998 x 940 x 320)		
	Gross			46-5/16 x 40-7/16 x 17-1/2 (1,176 x 1,027 x 445)		
Outdoor Weight	Net		lb (kg)	159 (72)		
	Gross			179 (81)		
Indoor Fan	Airflow rate	Cooling	High	CFM (m³/h)	1,089 (1,850)	
			Med		865 (1,470)	
			Low		765 (1,300)	
			Quiet		618 (1,050)	
		Heating	High		1,059 (1,800)	
			Med		865 (1,470)	
			Low		765 (1,300)	
			Quiet		618 (1,050)	
	Type x Qty				Sirocco fan x 4	
	Outdoor Fan	Airflow rate	Motor output		W	110
Cooling			CFM (m³/h)	2,266 (3,850)		
Heating				2,148 (3,650)		
Type x Qty				Propeller fan x 1		
Indoor Sound Pressure Level*4	Motor output		W	120		
	Cooling	High	dB (A)	44		
		Med		40		
		Low		37		
		Quiet		32		
	Heating	High		44		
		Med		40		
		Low		37		
		Quiet		32		
	Outdoor Sound Pressure Level ⁴	Cooling		53		
Heating		53				

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SPECIFICATIONS:

Refrigerant	Type		R32		
	Charge	lb oz	5 lb 15 oz		
		g	2700		
	Additional Charge Calculation	oz/ft	0.43		
g/m		40			
Refrigerant Oil	Type		RmM68AF		
	Amount	in 3 (cm3)	70.2 (1,150)		
Moisture removal		pints/h (L/h)	9.1 (4.3)		
Drain hose(IU)	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)		
Electrical	System Power Supply	Voltage	V	208/230	
		Frequency	Hz	60	
		Available voltage range		V	187-253
	Current	Cooling	Rated	A	12.9
		Heating			12.3
	Maximum Operating Current*3	Cooling	21		
		Heating	28		
	Outdoor Starting Current				12.9
	Minimum Circuit Ampacity*5				33.9
	Wiring spec.*6	MAX. CKT. BKR*7			35
Input Power	Cooling		kW		2.95
					0.58 – 3.75
	Heating	47°FDB (Outdoor temp.)			Rated
				Min.—Max.	0.66-4.07
		17°FDB (Outdoor temp.)*1		Rated	2.31
				Max.	5.39
		5°FDB (Outdoor temp.)*2		Rated	5.92
				Max.	5.92
Power Factor	Cooling		%	99.4	
	Heating			98.3	

Notes:

- Specifications are based on the following conditions:
 - Cooling: Indoor temperature of 80°FDB/67°F WB (26.67°CDB/19.44°CWB), and outdoor temperature of 95°FDB/75°F WB (35°CDB/23.9°CWB).
 - Heating: Indoor temperature of 70°FDB/60°F WB (21.11°CDB/15.56°CWB), and outdoor temperature of 47°FDB/43°F WB (8.33°CDB/6.11°CWB).
 - *1: Heating (17°F): Indoor temperature of 70°FDB/60°F WB (21.11°CDB/15.56°CWB), and outdoor temperature of 17°FDB/15°F WB (-8.33°CDB/-9.44°CWB).
 - *2: Heating (5°F): Indoor temperature of 70°FDB/60°F WB (21.11°CDB/15.56°CWB), and outdoor temperature of 5°FDB/4°F WB (-15.0°CDB/-15.56°CWB).
 - Test conditions are based on AHRI 210/240 2023.
 - Pipe length: 25 ft (7.5 m), Height difference: 0 ft (0 m). (Between outdoor unit and indoor unit.)
- *3: Maximum current:
 - The maximum value when operated within the operation range.
 - The total current of indoor unit and outdoor unit.
- *4: 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
- *5: Minimum Circuit Ampacity (Calculation based on UL60335-2-40)
- *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.

- *7: Maximum Circuit Breaker
- *8: Suction Temperature of the Outdoor Unit
- *9: Energy Star: 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	KAGAMI - Wired Remote Controller
UTY-RNRUZ-Series	Wired Remote Controller
UTY-RHRYZ-Series	Wired Remote Controller - Hospitality
UTY-RSRYZ-Series	Simple Wired Remote Controller
UTY-LBTUH	IR Receiver Kit w/ Wireless Remote Controller
UTY-TFSXJ4	Wi-Fi adapter (WiFi Interface Module UART Type)
FJ-AC-WIFI-1	Intesis Wi-Fi Device: Wired Module
FJ-IR-WIFI-1NA *2	Intesis IR Wireless AC Cloud Control Interface
UTY-VMSX	Modbus Converter
UTY-VTGX	Network Converter - Convert H-Series Comm. Protocol to V/J-Series Comm. Protocol (Pink Wire)
FJ-AC-485-1	Intesis - BACnet MSTP & Modbus RTU Gateway,
UTY-TERX	External Switch Controller
UTY-TTRXZ1 *1	24V Thermostat Interface
TTRXZ1-KIT *1	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

NOTES:

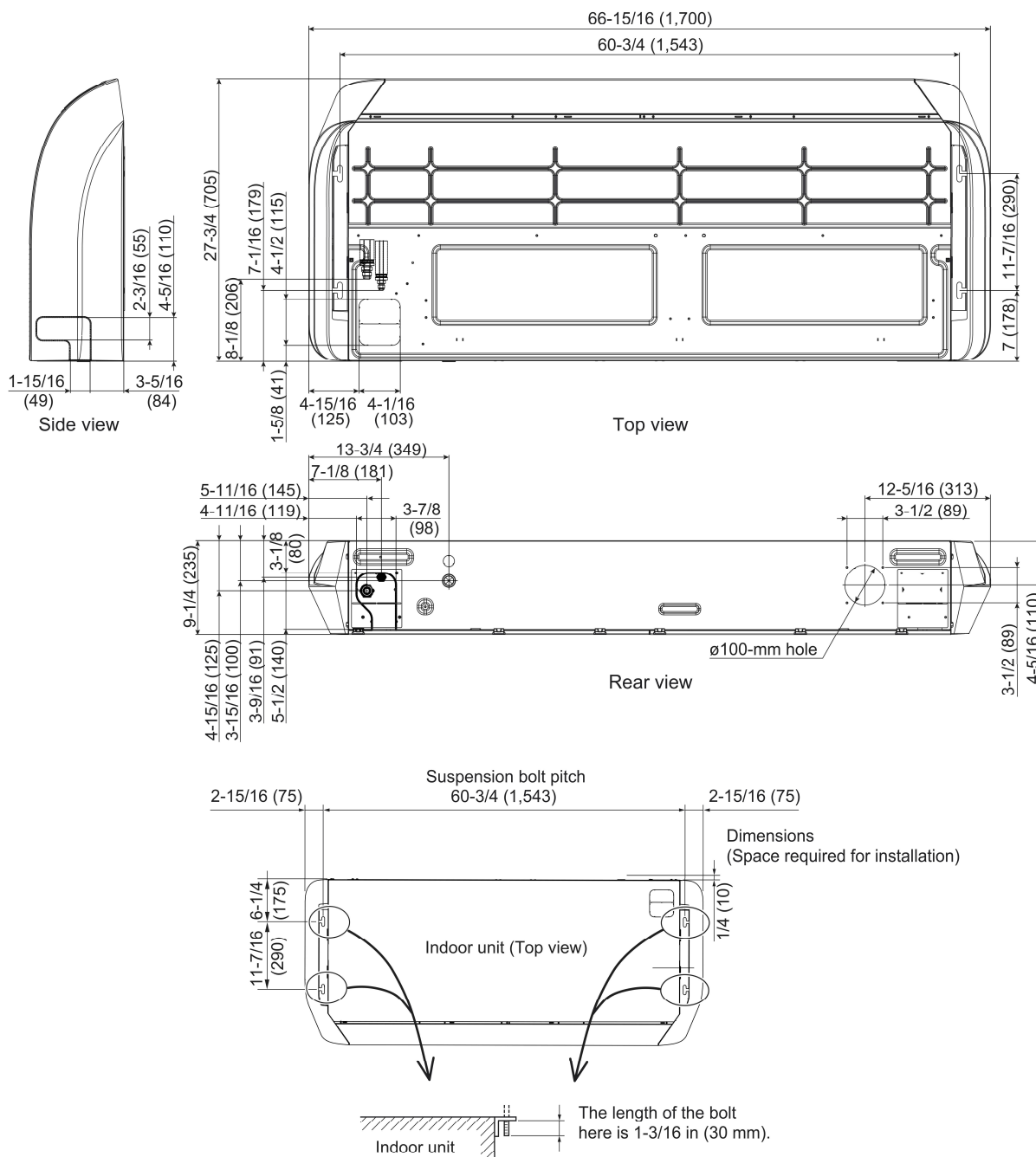
*1 This device may not be used with any other type of controls (central controller, wire/wireless RC, WiFi adapter, BMS interface).

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

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INDOOR UNIT DIMENSIONS:

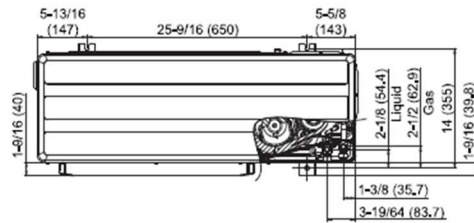
Unit: in (mm)



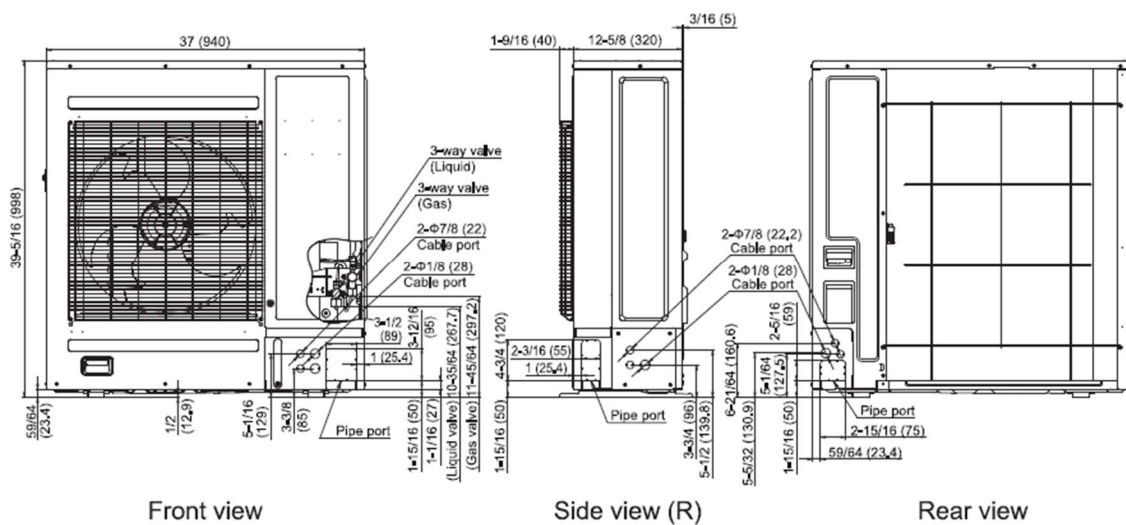
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OUTDOOR UNIT DIMENSIONS:

Unit: in (mm)



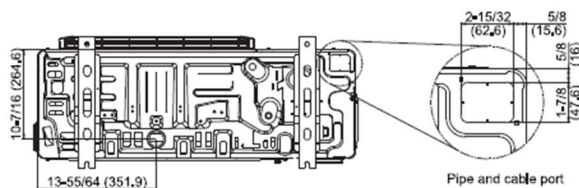
Top view



Front view

Side view (R)

Rear view



Bottom view