

SUBMITTAL - 09KUBS1C

Job Name: _____

Date: _____

Location: _____

R32

Indoor Unit: **ACUH09KUAS**

Outdoor Unit: **AOUH09KUBS1**



FEATURES

INDOOR UNIT:

- Compact 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 28dB
- 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 Wireless Remote Controller (UTY-LNTU)
 - 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
- Cassette grille (front panel) fits seamlessly into standard grid-style office ceilings (sold separately)
- 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)
 - Offers group control, allowing seamless management of multiple units simultaneously.

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 66ft (20m)
- Up to 33% 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>

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SPECIFICATIONS:

Indoor Unit				ACUH09KUAS			
Outdoor Unit				AOUH09KUBS1			
System Name				09KUBS1C			
AHRI Reference #				217734520			
Efficiency	SEER2		Btu/hW	24.4			
	EER2			14.5			
	HSPF 2 (IV) / HSPF 2 (V)			11.8 / 9.3			
	COP2		kW/kW	3.78			
Energy Star ⁹				ES, ESCC, ESME			
Operation Range	Cooling		°F (°C)	-5 to 122*2 (-21 to 50*2)			
	Heating			-5 to 75 (-21 to 24)			
Capacity	Cooling		Rated	Btu/h	9,000		
			Min.—Max.		3,100—11,000		
	Heating	47°FDB (Outdoor temp.)	Rated		12,000		
			Min.—Max.		3,100—16,000		
		17°FDB (Outdoor temp.)* ¹	Rated		7,900		
			Max.		11,200		
		5°FDB (Outdoor temp.)* ²	Rated		10,100		
			Max.		10,100		
Connection pipe	Size		Liquid	in (mm)	Ø1/4 (Ø6.35)		
			Gas		Ø3/8 (Ø9.52)		
	Method			Flare			
	Pre-charge length		ft (m)	49 (15)			
	Min. length			16 (5)			
	Max. length			66 (20)			
Max. height difference		49 (15)					
Indoor Dimensions (H x W x D)	Net		in (mm)	9-5/8 x 22-7/16 x 22-7/16 (245 x 570 x 570)			
	Gross			10-7/16 x 28-3/4 x 24-5/8 (265 x 730 x 625)			
Indoor Weight	Net		lb (kg)	33 (15)			
	Gross			40 (18)			
Outdoor Dimensions (H x W x D)	Net		in (mm)	21-5/16 x 31-7/16 x 11-7/16 (542 x 799 x 290)			
	Gross			23-11/16 x 37 x 14-3/4 (602 x 940 x 375)			
Outdoor Weight	Net		lb (kg)	71 (32)			
	Gross			77 (35)			
Indoor Fan	Airflow rate	Cooling	High	CFM (m³/h)	318 (540)		
			Med		288 (490)		
			Low		259 (440)		
		Heating	Quiet		230 (390)		
			High		318 (540)		
			Med		288 (490)		
			Low		259 (440)		
			Quiet		230 (390)		
	Type x Qty			Turbo fan x 1			
	Outdoor Fan	Motor output		W	54		
Airflow rate		Cooling	CFM (m³/h)	906 (1,540)			
		Heating		906 (1,540)			
Type x Qty			Propeller fan x 1				
Indoor Sound Pressure Level* ⁴	Motor output		W	23			
	Cooling		High	dB (A)	34		
			Med		32		
			Low		30		
			Quiet		28		
	Heating		High		34		
			Med		32		
			Low		30		
			Quiet		28		
	Outdoor Sound Pressure Level* ⁴	Cooling					44
		Heating					48

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SPECIFICATIONS:

Refrigerant	Type		R32	
	Charge	lb oz	1 lb 14 oz	
		g	850	
	Additional Charge Calculation	oz/ft	0.22	
g/m		20		
Refrigerant Oil	Type		POE (R68A)	
	Amount	in 3 (cm3)	20.7 (340)	
Moisture removal		pints/h (L/h)	1.3 (0.6)	
Drain hose(IU)	Material		Polyvinyl chloride	
	Tip Diameter		I.D.: Ø1 (Ø25.0), O.D.: Ø1-1/4 (Ø32.0)	
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
	Current	Cooling	A	3.3
		Heating		4.5
	Maximum Operating Current ^{*3}	Cooling		6.4
		Heating		8.9
	Outdoor Starting Current			4.5
	Minimum Circuit Ampacity ^{*5}			11
	Wiring spec. ^{*6}	MAX. CKT. BKR ^{*7}		15
Input Power	Cooling	Rated		0.62
		Min.—Max.	0.14—0.90	
	Heating	Rated	0.93	
		Min.—Max.	0.15—1.72	
		Rated	0.77	
		Max.	1.42	
		Rated	1.33	
		Max.	1.33	
Power Factor	Cooling	%	81.7	
	Heating		89.9	

Notes:

- Specifications are based on the following conditions:
 - Cooling: Indoor temperature of 80°FDB/67°FWB (26.67°CDB/19.44°CWB), and outdoor temperature of 95°FDB/75°FWB (35°CDB/23.9°CWB).
 - Heating: Indoor temperature of 70°FDB/60°FWB (21.11°CDB/15.56°CWB), and outdoor temperature of 47°FDB/43°FWB (8.33°CDB/6.11°CWB).
 - *1: Heating (17°F): Indoor temperature of 70°FDB/60°FWB (21.11°CDB/15.56°CWB), and outdoor temperature of 17°FDB/15°FWB (-8.33°CDB/-9.44°CWB).
 - *2: Heating (5°F): Indoor temperature of 70°FDB/60°FWB (21.11°CDB/15.56°CWB), and outdoor temperature of 5°FDB/4°FWB (-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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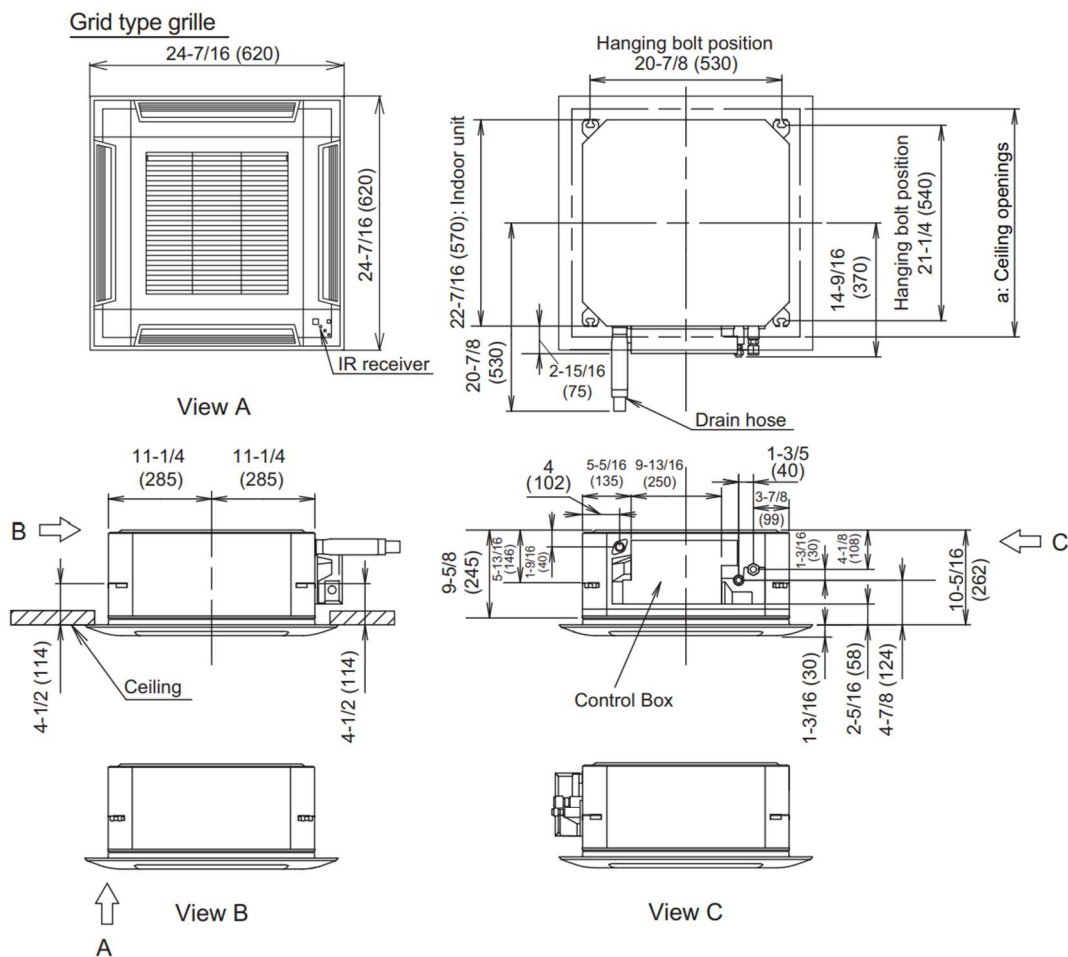
ACCESSORIES:

Model Number	Description
UTZ-DUHGG2A	Hail Guard
UTZ-DUSHG2A	Snow Hood
UTZ-DUWBG2A	Wind Baffle

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INDOOR UNIT DIMENSIONS:

Unit: in (mm)

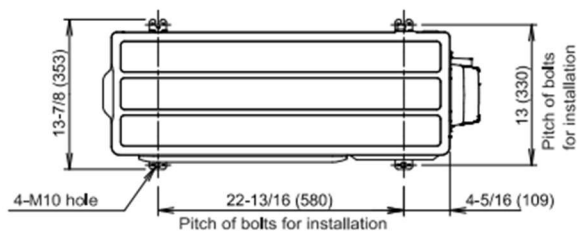


a: Ceiling openings			
Cassette grille	Grid type	in (mm)	22-13/16 to 24 (580 to 610)

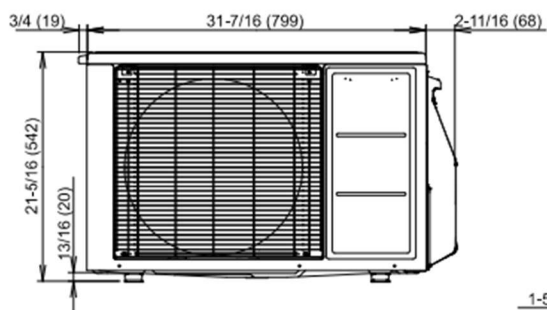
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OUTDOOR UNIT DIMENSIONS:

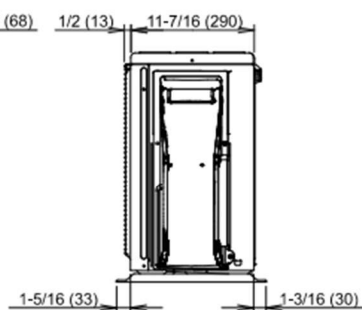
Unit: in (mm)



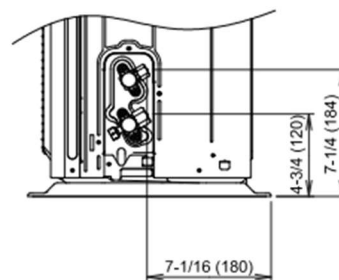
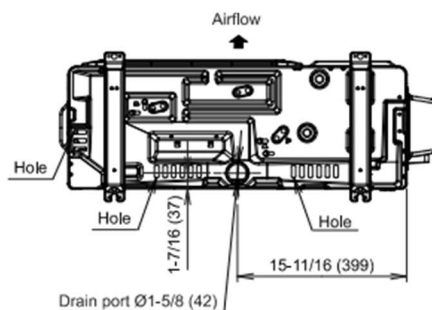
Side view



Front view



Side view



Side view (Valve part)