

SUBMITTAL – ADUH18KUAS

Job Name: _____

Date: _____

Location: _____

R32

Indoor Unit: **ADUH18KUAS**



FEATURES

INDOOR UNIT:

- Slim Duct 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 29dB
- Multiple fan speed options; Auto, High, Med, Low, and Quiet
- Special Operation modes available:
 - Economy Mode/ Minimum Heat Mode / Automatic defrosting operation /Hot Start/ Auto-restart function
- Enhanced controls platform for seamless, intuitive operation:
 - Seamless control using the optional IR Receiver and Wireless Remote Controller kit (UTY-LBTUM)
 - 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
- Wide external static pressure range of up to 0.36 inWG for adaptable performance
- Offers group control, allowing seamless management of multiple units simultaneously
- Equipped with a built-in refrigerant leak detection sensor for enhanced safety and reliability.
- 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)
 - Supports compatibility with the Airzone third-party communicating zoning system for optimized zoning control
 - Multiple Auxiliary Heat logic options for optimized heating performance
 - Service monitoring functionality via compatible accessories (UTY-RVRU & UTY-RNRUZ-series)
 - Flexible intake configuration with side or bottom options to meet installation requirements.



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					ADUH18KUAS	
Nominal Capacity				Btu/h	18,000	
Indoor Dimensions (H × W × D)		Net		in (mm)	7-13/16 × 35-7/16 × 24-7/16 (198 × 900 × 620)	
		Gross		in (mm)	10-13/16 × 45-1/16 × 30-3/8 (274 × 1,145 × 772)	
Indoor Weight		Net		lb (kg)	44 (20)	
		Gross			57 (26)	
Indoor Fan	Airflow rate	Cooling	High	CFM (m³/h)	553 (940)	
			Med		518 (880)	
			Low		483 (820)	
			Quiet		441 (750)	
		Heating	High		553 (940)	
			Med		518 (880)	
			Low		483 (820)	
			Quiet		441 (750)	
	Type × Qty				Sirocco fan x 3	
	Motor output			W	81	
Static Pressure Range				inWG (Pa)	0.01 to 0.36 (3 to 90)	
Indoor Sound Pressure Level *1		Cooling	High	dB (A)	32	
			Med		31	
			Low		30	
			Quiet		29	
		Heating	High		33	
			Med		32	
			Low		31	
			Quiet		29	
Connection Pipe		Size	Liquid	in (mm)	Ø1/4 (Ø6.35)	
			Gas		Ø1/2 (Ø12.70)	
Method				Flare		
Indoor Drain hose		Material			Polyvinyl chloride	
		Tip Diameter		in (mm)	I.D.: Ø1 (Ø25), O.D.: Ø1-1/4 (Ø32)	
Indoor Operation range		Cooling		°F (°C)	64 to 90 (18 to 32)	
		Heating		%RH	80 or less	
System power supply		Voltage		V	208/230	
		Frequency		Hz	60	
		Available voltage range		V	187—253	
MCA *2				A	0.59/0.55	
Indoor Input Power		W			103	

NOTES:

Indoor 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.

MCA:

- Minimum Circuit Ampacity (Calculation based on UL60335-2-40)

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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-LBTUM	IR Receiver Kit w/ Wireless Remote Controller (Mid-Static Ducted)
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-XSZXZ1	Remote Temperature Sensor
UTY-XCSX	External input and output PCB
UTY-XWZXZG	External Connect Kit
UTZ-GXEA	External input and output PCB Bracket
UTD-GXTB-W	Auto Louver Grille Kit (18k)
UTY-DSGYZ2 ^{*3}	Airstage Edge Controller

NOTES:

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

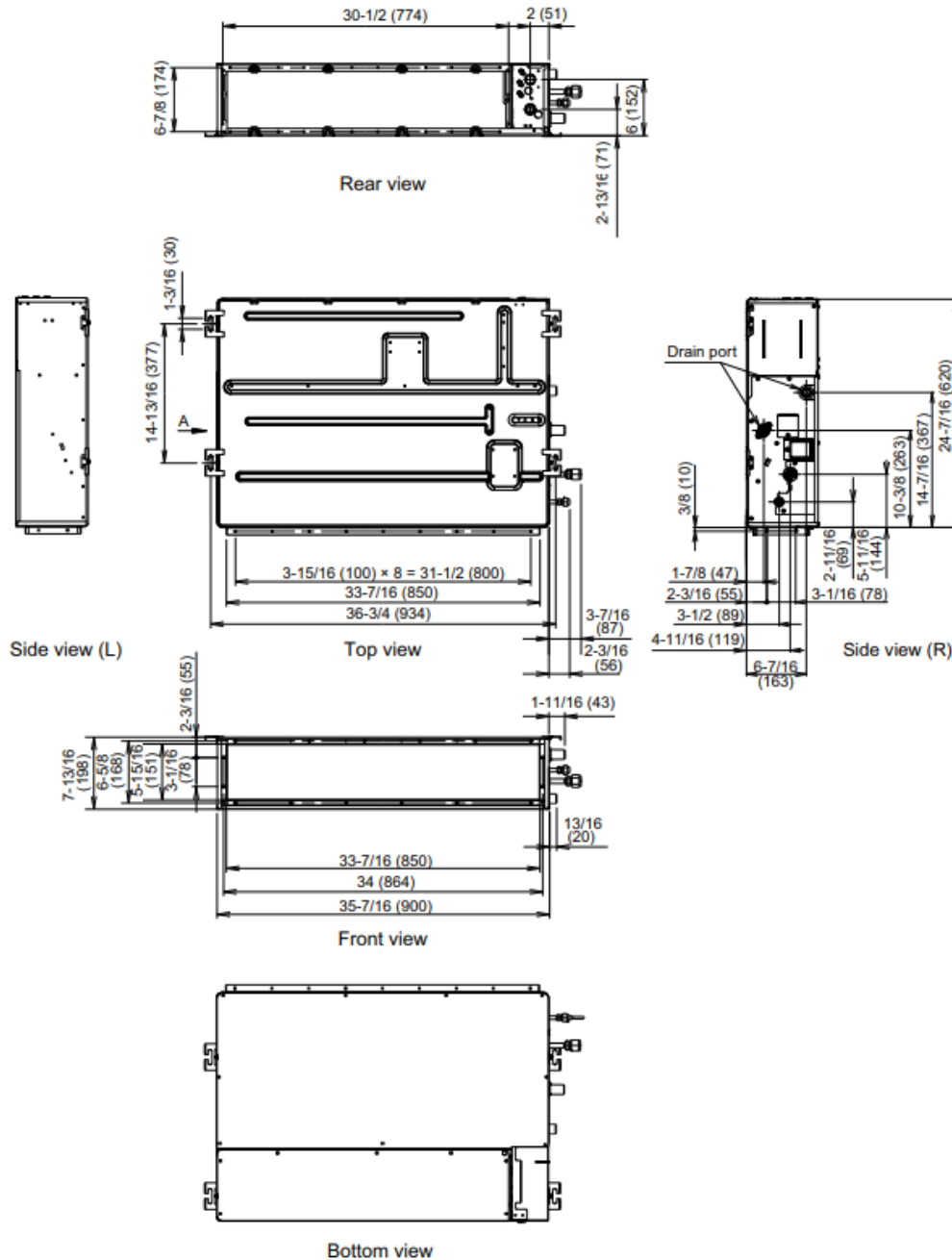
*2 -This device may not be used with any other type of controls (central controller, wire/wireless RC, WiFi adapter, BMS interface).

*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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