

SUBMITTAL – ADUH12KUAS

Job Name: _____

Date: _____

Location: _____

R32

Indoor Unit: **ADUH12KUAS**



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 24dB
- 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>

SUBMITTAL – ADUH12KUAS

SPECIFICATIONS:

Indoor Unit					ADUH12KUAS	
Nominal Capacity				Btu/h	12,000	
Indoor Dimensions (H × W × D)		Net		in (mm)	7-13/16 × 27-9/16 × 24-7/16 (198 × 700 × 620)	
		Gross		in (mm)	10-13/16 × 37-3/16 × 30-3/8 (274 × 945 × 772)	
Indoor Weight		Net		lb (kg)	37 (17)	
		Gross			49 (22)	
Indoor Fan	Airflow rate	Cooling	High	CFM (m³/h)	383 (650)	
			Med		353 (600)	
			Low		324 (550)	
			Quiet		283 (480)	
		Heating	High		383 (650)	
			Med		353 (600)	
			Low		324 (550)	
			Quiet		283 (480)	
	Type × Qty				Sirocco fan x 2	
	Motor output			W	80	
Static Pressure Range				inWG (Pa)	0.01 to 0.36 (3 to 90)	
Indoor Sound Pressure Level *1		Cooling	High	dB (A)	30	
			Med		28	
			Low		27	
			Quiet		24	
		Heating	High		30	
			Med		28	
			Low		27	
			Quiet		24	
Connection Pipe		Size	Liquid	in (mm)	Ø1/4 (Ø6.35)	
			Gas		Ø3/8 (Ø9.52)	
		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)	
				%RH	80 or less	
		Heating		°F (°C)	60 to 86 (16 to 30)	
System power supply		Voltage		V	208/230	
		Frequency		Hz	60	
		Available voltage range		V	187—253	
MCA *2				A	0.47/0.44	
Indoor Input Power		W			74	

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)

SUBMITTAL – ADUH12KUAS

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-GXTA-W	Auto Louver Grille Kit (7-12k)
UTY-DSGYZ2 ^{*3}	Airstage Edge Controller

NOTES:

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

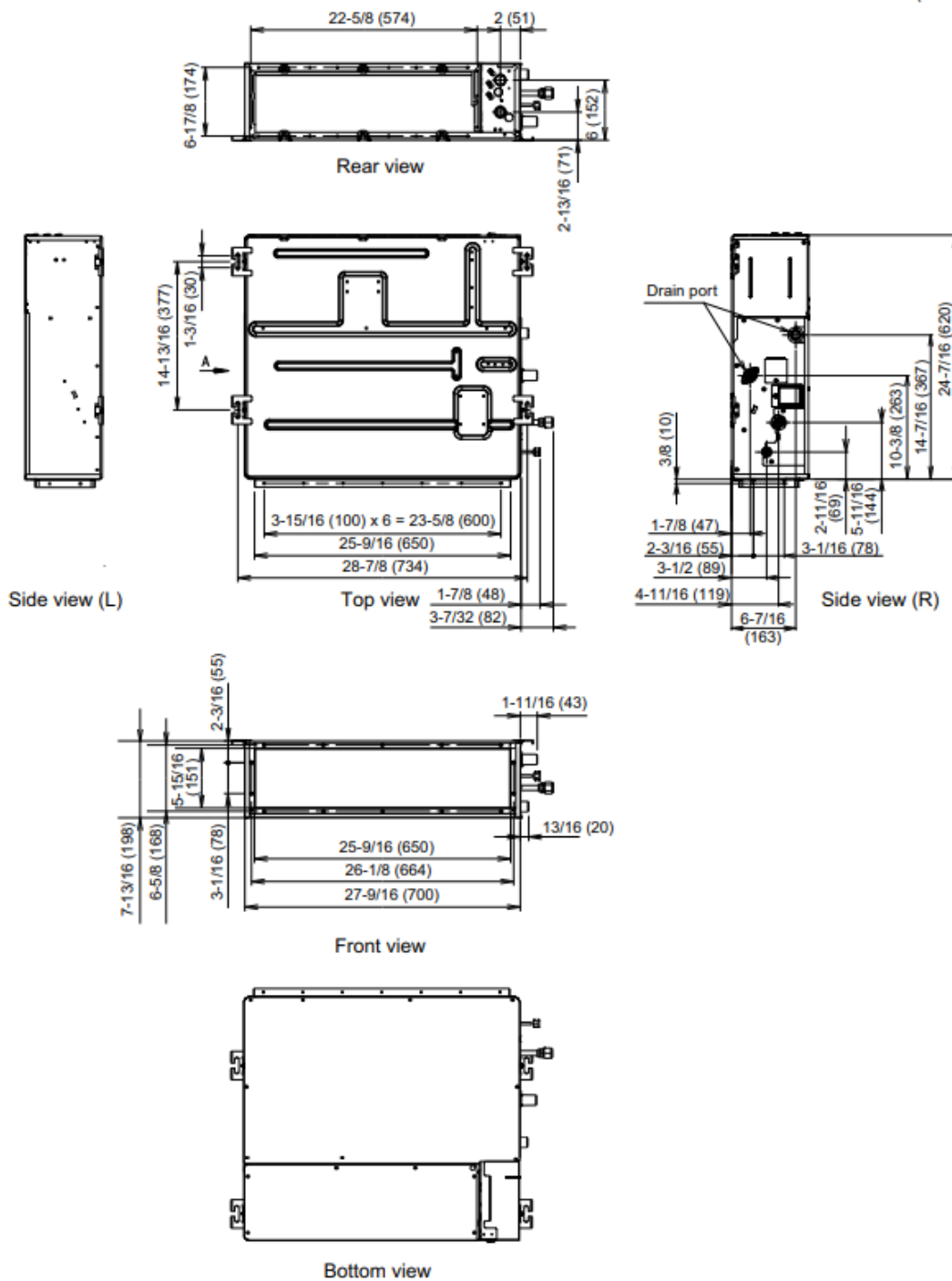
*2 -This device may not be used with any other type of controls (central controller, wire/wireless RC, WiFi adapter, BMS interface).

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

SUBMITTAL – ADUH12KUAS

INDOOR UNIT DIMENSIONS:

Unit: in (mm)



The Fujitsu logo is a worldwide trademark of Fujitsu General Limited. The Airstage logo and name is a worldwide trademark of Fujitsu General Limited and is a registered trademark in Japan, the USA and other countries or areas. Copyright 2024 Fujitsu General America, Inc. Fujitsu's products are subject to continuous improvements. Fujitsu reserves the right to modify product design, specifications and information in this brochure without notice and without incurring any obligations.