SUBMITTAL - 36KPAS1

Job Name:_____ Date:_____

Location:_____

R32

Indoor Unit: **ASUH36KPAS**

Outdoor Unit: **AOUH36KPAS1**





FEATURES

INDOOR UNIT:

- Compact wall-mounted 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-High, Med, Med-Low, 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:
  - Backlit wireless remote controller with luminous buttons for easy visibility, included with the indoor unit
  - Wi-Fi connectivity with Airstage Mobile App monitoring via compatible USB WLAN adapter
  - 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
- Dual-action Filtration: Apple-Catechin Filter & Ion Deodorizing Filter
- 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)

OUTDOOR UNIT:

- Low GWP R-32 systems for reduced environmental impact
- INVERTER-driven compressor that offers superior performance, comfort, and energy savings
- Special Cooling Operation extends cooling operation down to -4°F (-20°C)
- Compact outdoor unit with extended line set lengths up to 164ft (50m)
- Low-noise outdoor unit operation mode
- Hydro 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

Version: 20250409A

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SPECIFICATIONS:

Indoor Unit						**ASUH36KPAS**
Outdoor Unit						**AOUH36KPAS1**
System Name						36KPAS1
AHRI Number						215390441
SEER2		Cooling			Btu/hW	21
EER2						9.75
HSPF 2 (IV) / HSPF 2 (V)		Heating				10 / 7.7
COP2					kW/kW	3.3
Outdoor Operation Range		Cooling			°F (°C)	14 to 122*[8] (-10 to 50*[8])
		Heating				5 to 75 (-15 to 24)
Indoor Capacity		Cooling		Rated	Btu/h	33000
				Min.—Max.		9,900—34,100
		Heating	47°FDB (Outdoor temp.)	Rated		34000
				Min.—Max.		9,200—37,500
			17°FDB (Outdoor temp.)*[1]	Rated		22400
				Max.		30100
			5°FDB (Outdoor temp.)*[2]	Rated		25800
				Max.		
Outdoor Connection pipe	Size	Liquid			in (mm)	Ø3/8 (Ø9.52)
		Gas				Ø5/8 (Ø15.88)
	Method					FLARE
	Pre-charge length				ft (m)	66 (20)
	Min. length					16 (5)
	Max. length					164 (50)
	Max. height difference					98 (30)
Indoor Dimensions (H × W × D)		Net			in (mm)	13-3/8 × 45-1/4 × 11 (340 × 1,150 × 280)
		Gross				15-15/16 × 50 × 17-11/16 (405 × 1,270 × 450)
Indoor Weight		Net			lb (kg)	36 (16.5)
		Gross				49 (22.0)
Outdoor Dimensions (H × W × D)		Net			in (mm)	31 × 37 × 12-5/8 (788 × 940 × 320)
		Gross				38-1/16 × 40-7/16 × 17-1/2 (966 × 1,027 × 445)
Outdoor Weight		Net			lb (kg)	117 (53)
		Gross				134 (61)
Indoor Fan	Airflow rate	Cooling		High	CFM (m^3/h)	806 (1,370)
				Med—High		724 (1,230)
				Med		653 (1,110)
				Med—Low		583 (990)
				Low		518 (880)
				Quiet		418 (710)
		Heating		High		742 (1,260)
				Med—High		671 (1,140)
				Med		612 (1,040)
				Med—Low		547 (930)
				Low		483 (820)
				Quiet		418 (710)
	Type × Qty					CROSSFLOW FAN × 1
	Motor output				W	78
Outdoor Fan	Airflow rate	Cooling			CFM (m^3/h)	2,166 (3,680)
		Heating				
	Type × Qty					PROPELLER FAN × 1
	Motor output				W	100
Indoor Sound Pressure Level*[4]		Cooling		High	dB (A)	51
				Med—High		49
				Med		46
				Med—Low		43
				Low		39
				Quiet		32
		Heating		High		48
				Med—High		45
				Med		42
				Med—Low		39
				Low		36
				Quiet		32
Outdoor Sound Pressure Level*[4]		Cooling				54
		Heating				56

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SPECIFICATIONS:

Outdoor Refrigerant	Type			R32
	Charge		lb oz	3 lb 12 oz
			g	1700
Additional Charge Calculation			oz/ft	0.43
			g/m	40
Outdoor Refrigerant Oil	Type			FW68D
	Amount		in^3 (cm^3)	36.6 (600)
Indoor Moisture removal			pints/h (L/h)	10.4 (4.9)
Indoor Drain hose	Material			POLYPROPYLENE + HIGH-DENSITY POLYETHYLENE
	Tip Diameter		in (mm)	Ø17/32 (Ø13.8) (I.D.), Ø19/32 to 21/32 (Ø15.0 to 16.8) (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	14.8
	Heating			13.3
Maximum Operating Current*3		Cooling		18.4
		Heating		17.9
Outdoor Starting Current				14.8
MCA*5				18.4
Wiring spec.*6	MAX. CKT. BKR*7			30
Indoor Input Power	Cooling	Rated	kW	3.39
		Min.—Max.		0.45—3.82
	Heating	47°FDB (Outdoor temp.) Rated		3.02
		47°FDB (Outdoor temp.) Min.—Max.		0.52—3.72
		17°FDB (Outdoor temp.)*1 Rated		2.27
		17°FDB (Outdoor temp.)*1 Max.		3.68
		5°FDB (Outdoor temp.)*2 Rated		3.43
		5°FDB (Outdoor temp.)*2 Max.		
Indoor Power Factor	Cooling		%	99.6
	Heating			98.7
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.

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*1	KAGAMI - Touch Panel Wired Controller
UTY-RNRUZ5*1	Touch Panel Wired Remote Controller
UTY-RHRY*1	Simple Wired Remote (Without Mode Function) - Hospitality
UTY-RSRY*1	Simple Wired Remote (With Mode Function)
UTY-TWRXZ2	Communication Kit - Wall Mount
UTY-TFSXH4	Wi-Fi Adapter (WiFi Interface Module USB Type)
FJ-AC-WIFI-1	Intesis Wi-Fi Device: Wired Module
FJ-IR-WIFI-1NA	Intesis IR Wireless AC Cloud Control Interface (Intesis Home app)
BM101WA	Cielo - Breez Max IR Controller w/ WiFi (Black)
BM102WA	Cielo - Breez Max IR Controller w/ WiFi (White)
UTY-VMSX	Modbus Converter
UTY-VTGX*1	Network Converter - Convert H-Series Comm. Protocol to V/J-Series Comm.
FJ-AC-485-1	Intesis - BACnet MSTP & Modbus RTU Gateway
UTY-TERX*1	External Switch Controller
UTY-TTRXZ1*1, 2	24V Thermostat Interface
TTRXZ1-KIT*1, 2	24V Thermostat Interface Kit (UTY-TTRXZ1, UTY-WIFi Plug & 24V Transformer)
UTY-XCSXZ2	External input and output PCB
UTY-XWZX	External Wire Kit
UTY-XWZXZ5	External Connect Kit
UTY-DSGYZ2*3	Airstage Edge Controller

NOTES:

*1 –Requires Communication kit UTY-TWRXZ2 to connect this device to IDU.

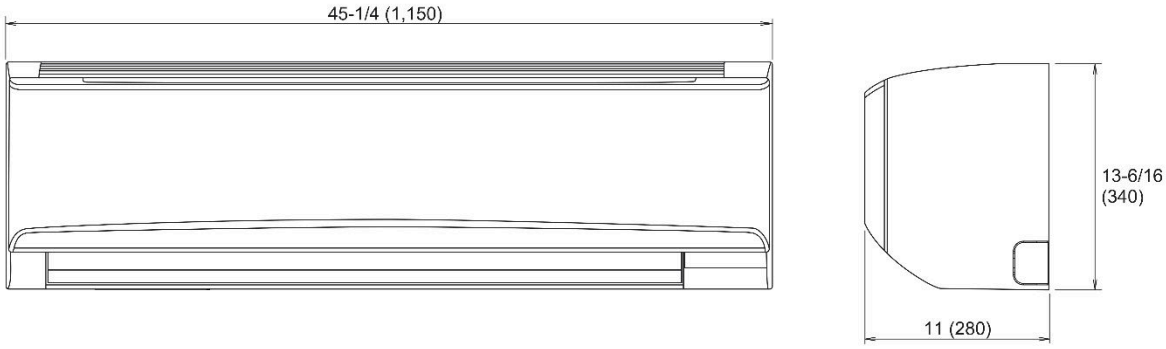
*2 –This device may not be used with any other type of controls (central controller, wire/wireless RC, WiFi adapter, BMS interface).

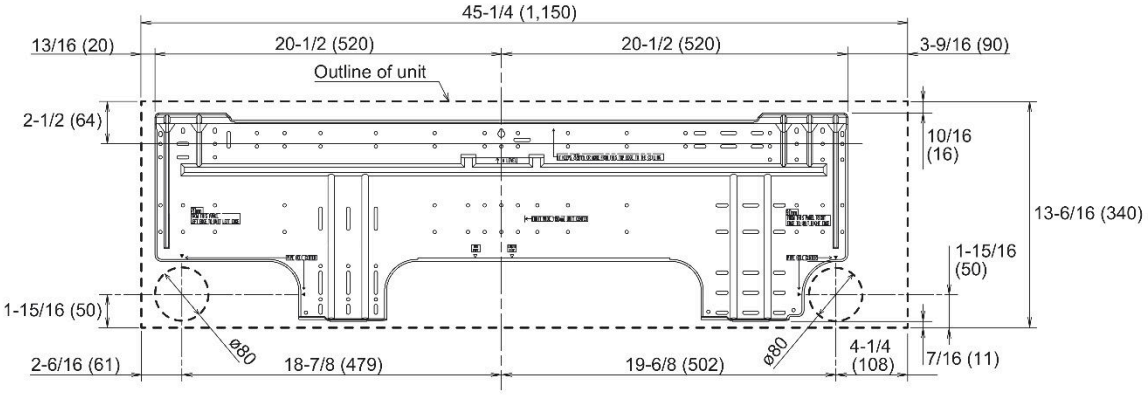
*3 –Connection to AIRSTAGE Cloud requires a compatible AIRSTAGE Mobile adapter connected to the IDU.

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INDOOR UNIT DIMENSIONS:

Unit: in (mm)



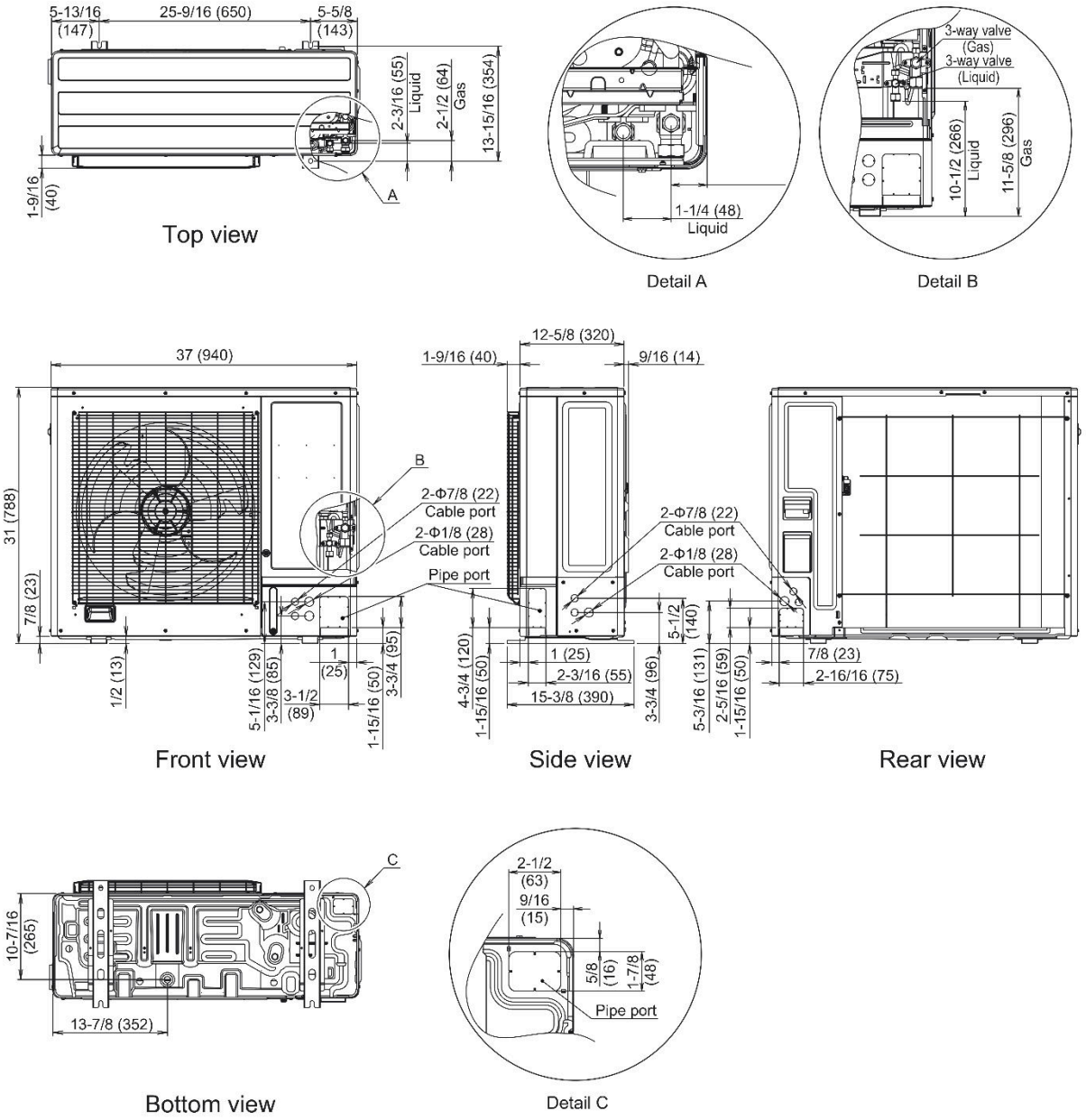


Fujitsu General America, Inc. • 342 Changebridge Rd, Pine Brook, NJ 07058 • Toll Free: (888) 888-3424 • www.fujitsugeneral.com

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OUTDOOR UNIT DIMENSIONS:

Unit: in (mm)



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