

SUBMITTAL - 12KNAS1

Job Name: _____

Date: _____

Location: _____

R32

Indoor Unit: **ASLH12KNAS**

Outdoor Unit: **AOLH12KNAS1**



FEATURES

INDOOR UNIT:

- 115V System for applications with limited electrical service
- Compact wall-mounted indoor unit providing superior comfort and a premium aesthetic
- Indoor unit with ProCore™ (High Corrosion Resistant Copper) coils for long-lasting protection against corrosion
- Whisper-quiet operation with sound levels as low as 20dB
- Multiple fan speed options; Auto, High, Med, Low, and Quiet.
- Special Operation modes available:
 - Economy Mode
 - Energy Saving Mode
 - Powerful Mode
 - Minimum Heat Mode (accessible via WLAN only)
 - Auto-restart function
 - Auto Changeover
- Enhanced controls platform for seamless, intuitive operation:
 - Wireless remote controller included with the indoor unit
 - Wi-Fi connectivity with Airstage Mobile App monitoring and control via compatible USB WLAN adapter
 - Extended connectivity with support for third-party interface options

OUTDOOR UNIT:

- Low GWP R-32 systems for reduced environmental impact
- INVERTER-driven compressor delivering high efficiency and comfort.
- Compact outdoor unit with extended line set lengths up to 66ft (20m)



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: 20250106A

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SPECIFICATIONS:

Indoor Unit				ASLH12KNAS		
Outdoor Unit				AOLH12KNAS1		
System Name				12KNAS1		
AHRI Number				215422284		
SEER2	Cooling			Btu/hW	17	
EER2				kW/kW	2.97	
HSPF2				Btu/hW	10.15	
COP2	Heating			kW/kW	3.35	
				Btu/hW	11.43	
Outdoor Operation Range				Cooling	°F (°C)	50 to 126 (10 to 52)
		Heating	5 to 75 (-15 to 24)			
Indoor Capacity		Cooling		Rated	12000	
				Min.—Max.	3,100—12,500	
		Heating		Rated	12000	
				Min.—Max.	3,100—13,900	
				Rated	7500	
				Max.	10100	
				Rated		
				Max.	8200	
Outdoor Connection pipe		Size	Liquid		Ø1/4 (Ø6.35)	
			Gas		Ø3/8 (Ø9.52)	
		Method			FLARE	
		Pre-charge length			ft (m)	49 (15)
		Min. length				10 (3)
		Max. length				66 (20)
		Max. height difference				49 (15)
Indoor Dimensions (H × W × D)		Net		in (mm)	9-13/16 × 30-5/16 × 8-9/16 (250 × 770 × 218)	
		Gross			10-13/16 × 33-1/16 × 12-3/16 (274 × 840 × 310)	
Indoor Weight		Net		lb (kg)	17 (7.5)	
		Gross			21 (9.5)	
Outdoor Dimensions (H × W × D)		Net		in (mm)	21-5/16 × 26-1/8 × 11-7/16 (541 × 663 × 290)	
		Gross			23-11/16 × 31-5/8 × 14-3/4 (602 × 804 × 375)	
Outdoor Weight		Net		lb (kg)	55 (25)	
		Gross			62 (28)	
Indoor Fan		Cooling		High	365 (620)	
				Med	288 (490)	
				Low	218 (370)	
				Quiet	141 (240)	
		Heating		High	377 (640)	
				Med	288 (490)	
				Low	235 (400)	
				Quiet	153 (260)	
		Type × Qty			CROSSFLOW FAN × 1	
		Motor output			W	27
Outdoor Fan		Airflow rate	Cooling	CFM (m³/h)	1,001 (1,700)	
			Heating		865 (1,470)	
		Type × Qty			PROPELLER FAN × 1	
Motor output			W	23		
Indoor Sound Pressure Level ^{*4}		Cooling		High	41	
				Med	35	
				Low	28	
				Quiet	20	
		Heating		High	41	
				Med	35	
				Low	30	
				Quiet	22	
Outdoor Sound Pressure Level ^{*4}		Cooling			48	
		Heating				

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SPECIFICATIONS:

Outdoor Refrigerant		Type		R32	
		Charge	lb oz	1 lb 7 oz	
Additional Charge Calculation			g	650	
			oz/ft	0.22	
			g/m	20	
Outdoor Refrigerant Oil		Type		RB74AF	
		Amount	in ³ (cm ³)	14.6 (240)	
Indoor Moisture removal			pints/h (L/h)	3.3 (1.57)	
Indoor Drain hose		Material		POLYPROPYLENE + HIGH-DENSITY POLYETHYLENE	
		Tip Diameter		in (mm) I.D.: Ø17/32 (Ø13.8)O.D.: Ø19/32 to 21/32 (Ø15 to 16.8)	
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				115 V~ 60 Hz	
Available Voltage Range				103.5—126.5	
System power supply		Voltage		V	115
		Frequency		Hz	60
		Available voltage range		V	103.5—126.5
Indoor Current	Cooling		Rated	A	10.9
	Heating				11
Maximum Operating Current ^{*3}			Cooling		14.7
			Heating		11
Outdoor Starting Current					18.3
MCA ^{*5}					20
Wiring spec. ^{*6}		MAX. CKT. BKR ^{*7}			
Indoor Input Power	Cooling	Rated	kW		1.18
				Min.—Max.	0.23—1.44
		47°FDB (Outdoor temp.)		Rated	1.05
				Min.—Max.	0.21—1.66
	Heating	17°FDB (Outdoor temp.) ^{*1}		Rated	0.84
				Max.	1.24
		5°FDB (Outdoor temp.) ^{*2}		Rated	1.1
				Max.	
Indoor Power Factor	Cooling		%	94	
	Heating			83	

NOTES

- 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.
- *4: Indoor Sound Pressure Level.
- Measured values in manufacturer's anechoic chamber.
- Outdoor Sound Pressure Level
- Because of the surrounding sound environment, the sound levels measured in actual installation conditions might be higher than the specified values here.
- *3: Maximum Operating Current
- 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 ED005.
- 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

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.

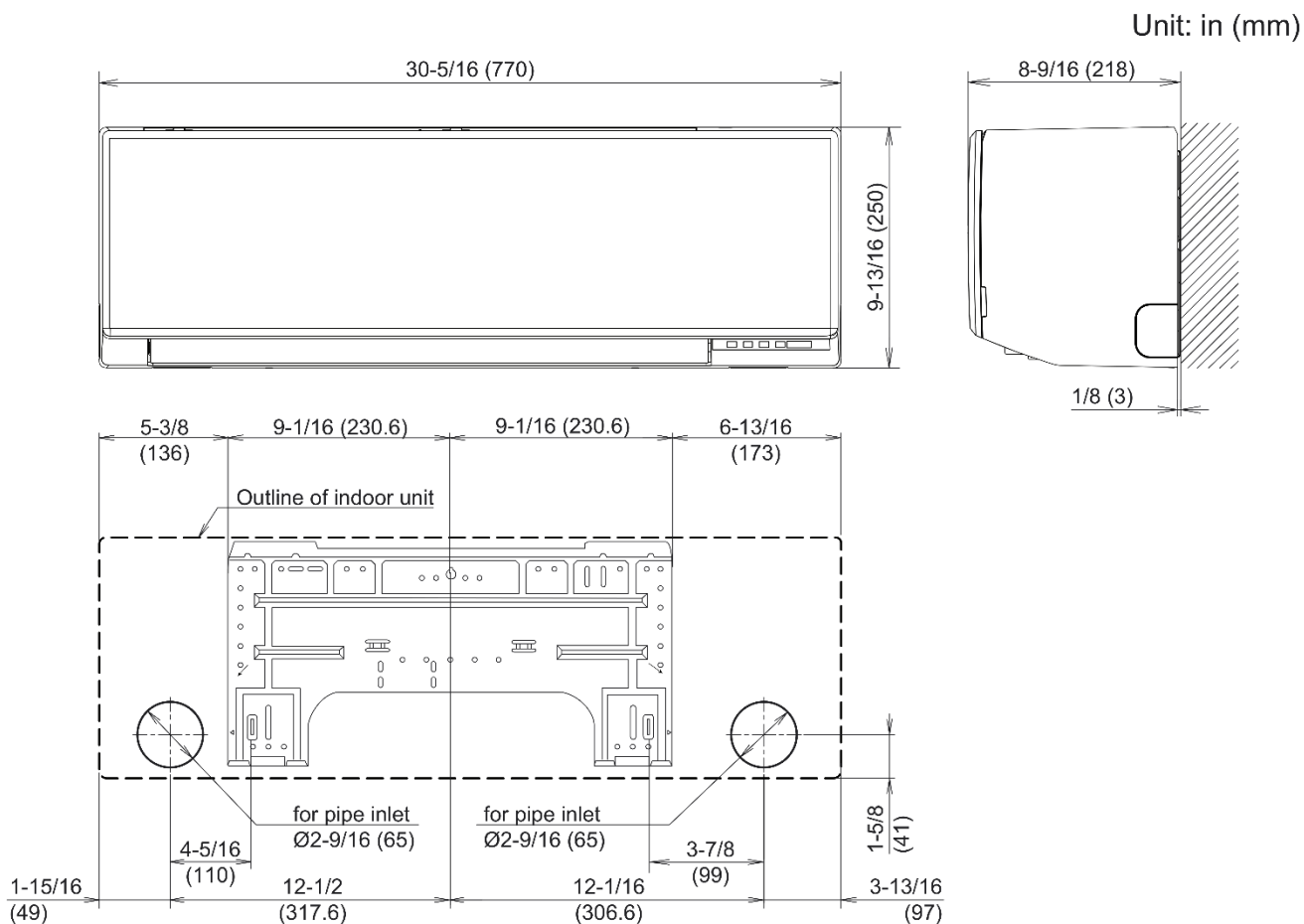
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ACCESSORIES:

Model Number	Description
UTY-TFSXH4	Wi-Fi Adapter (WiFi Interface Module USB Type)
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)

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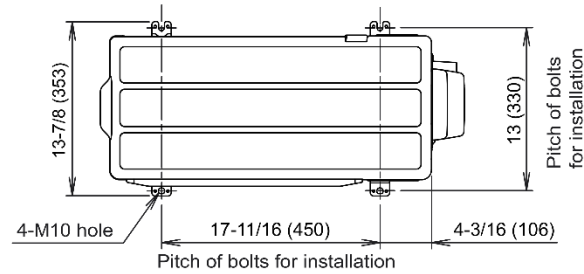
INDOOR UNIT DIMENSIONS:



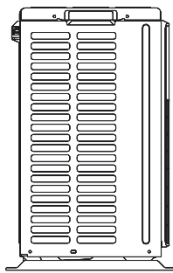
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OUTDOOR UNIT DIMENSIONS:

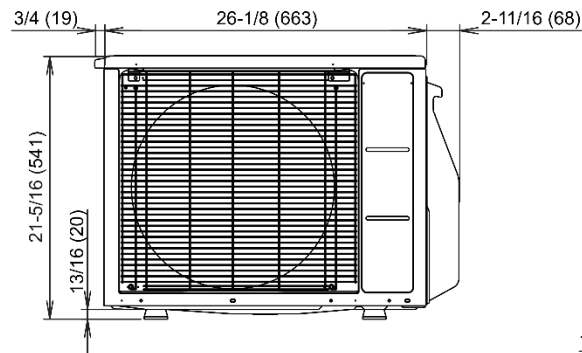
Unit: in (mm)



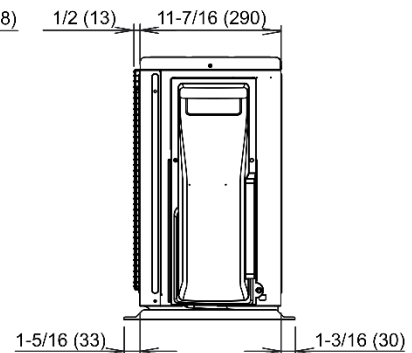
Top view



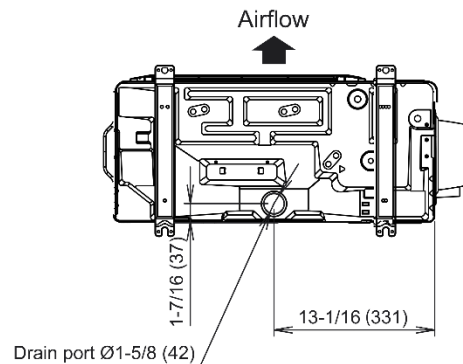
Side view



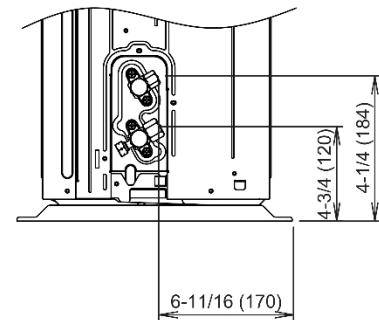
Front view



Side view



Bottom view



Side view (Valve part)

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