

SUBMITTAL - 09KNAS1

Job Name: _____

Date: _____

Location: _____

R32

Indoor Unit: **ASLH09KNAS**

Outdoor Unit: **AOLH09KNAS1**



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: 20250409A

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SPECIFICATIONS:

Indoor Unit			ASLH09KNAS			
Outdoor Unit			AOLH09KNAS1			
System Name			09KNAS1			
AHRI Number			215422283			
SEER2	Cooling		Btu/hW	17		
EER2			kW/kW	3.09		
HSPF 2 (IV) / HSPF 2 (V)			Btu/hW	10.55		
COP2	Heating		kW/kW	9 / 7.19		
			Btu/hW	3.56		
				12.16		
Outdoor Operation Range		Cooling	°F (°C)	50 to 126 (10 to 52)		
		Heating		5 to 75 (-15 to 24)		
Indoor Capacity		Cooling	Btu/h	9000		
				Min.—Max.	3,100—10,500	
		Heating		47°FDB (Outdoor temp.)	Rated	9000
					Min.—Max.	3,100—12,400
				17°FDB (Outdoor temp.) ¹	Rated	5200
					Max.	8550
				5°FDB (Outdoor temp.) ²	Rated	6800
					Max.	
Outdoor 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				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)	15 (7.0)		
		Gross		20 (9.0)		
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)	51 (23)		
		Gross		57 (26)		
Indoor Fan	Airflow rate	Cooling	High	CFM (m³/h)	365 (620)	
			Med		288 (490)	
			Low		212 (360)	
			Quiet		141 (240)	
		Heating	High		365 (620)	
			Med		300 (510)	
			Low		241 (410)	
			Quiet		153 (260)	
	Type × Qty				CROSSFLOW FAN × 1	
	Motor output			W	27	
Outdoor Fan	Airflow rate	Cooling	CFM (m³/h)	971 (1,650)		
		Heating		853 (1,450)		
	Type × Qty				PROPELLER FAN × 1	
	Motor output			W	23	
Indoor Sound Pressure Level ⁴		Cooling	High	dB (A)	41	
			Med		35	
			Low		27	
			Quiet		20	
		Heating	High		41	
			Med		35	
			Low		30	
			Quiet		22	
Outdoor Sound Pressure Level ⁴		Cooling			45	
		Heating			46	

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SPECIFICATIONS:

Outdoor Refrigerant		Type		R32	
		Charge	lb oz	1 lb 3 oz	
			g	530	
Additional Charge Calculation				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)	1.9 (0.88)	
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	8.2
	Heating				7.5
Maximum Operating Current ^{*3}			Cooling		14.7
			Heating		
Outdoor Starting Current					8.2
MCA ^{*5}					18.3
Wiring spec. ^{*6}		MAX. CKT. BKR ^{*7}			20
Indoor Input Power	Heating	Cooling	Rated		kW
			Min.—Max.	0.24—1.44	
		47°FDB (Outdoor temp.)	Rated	0.74	
			Min.—Max.	0.20—1.38	
		17°FDB (Outdoor temp.) ^{*1}	Rated	0.58	
			Max.	1.08	
		5°FDB (Outdoor temp.) ^{*2}	Rated	0.94	
			Max.		
Indoor Power Factor	Cooling		%	90	
	Heating			86	

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.

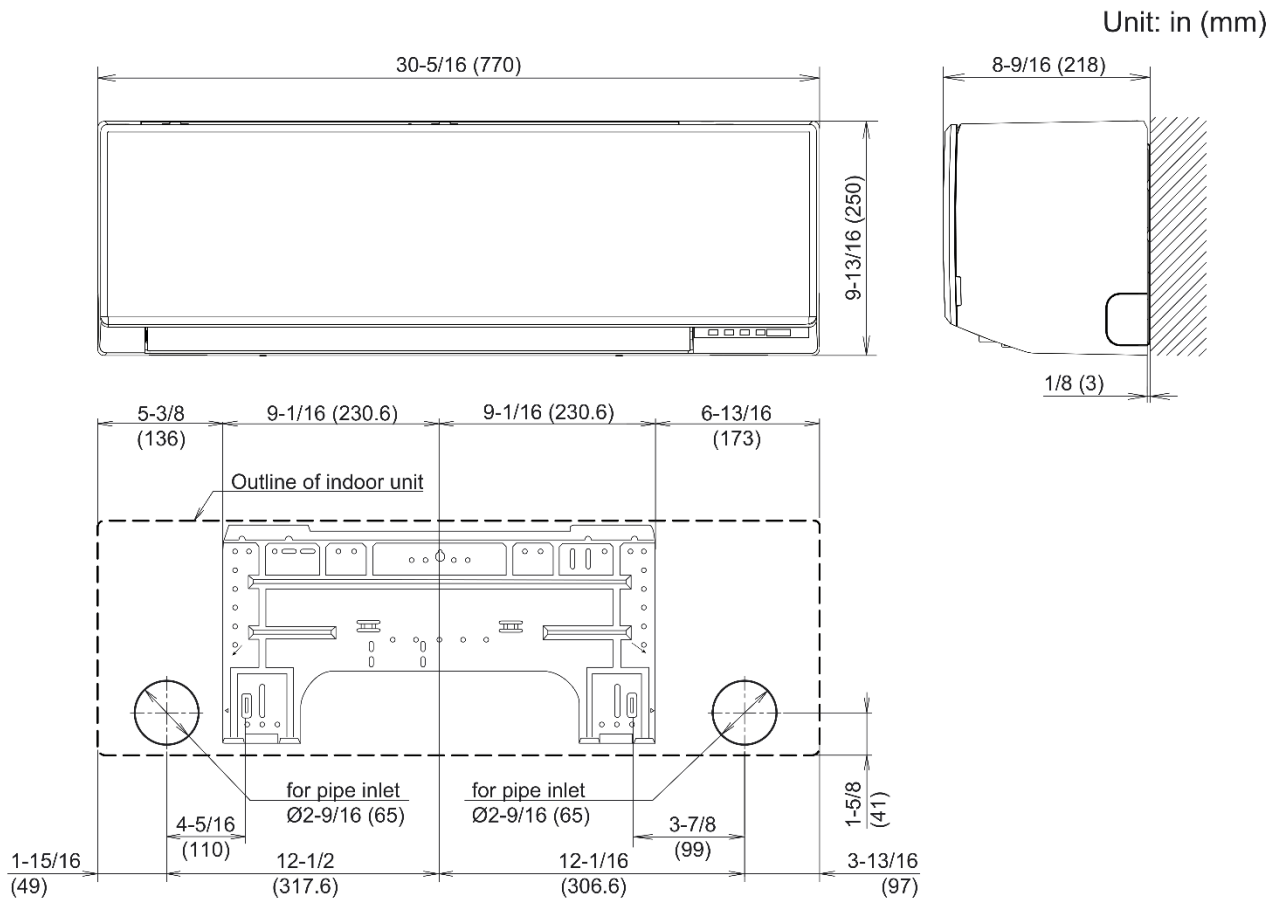
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ACCESSORIES:

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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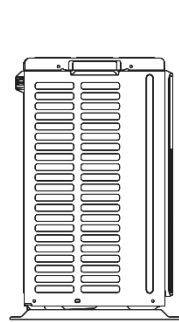
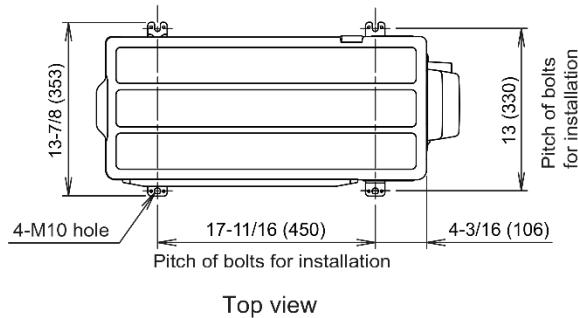
INDOOR UNIT DIMENSIONS:



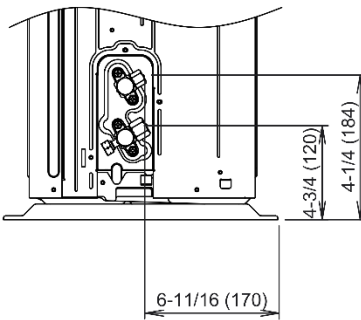
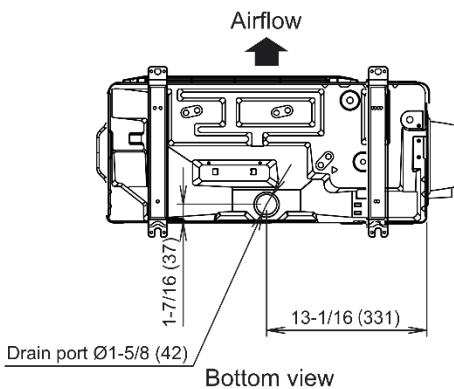
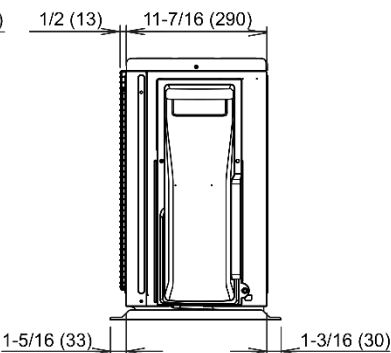
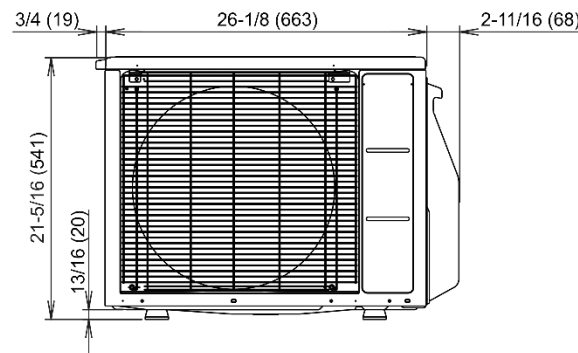
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OUTDOOR UNIT DIMENSIONS:

Unit: in (mm)



Side view



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