

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>

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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	
HSPF 2 (IV) / HSPF 2 (V)			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	47°FDB (Outdoor temp.)	Rated	12000	
			Min.—Max.	3,100—13,900	
		17°FDB (Outdoor temp.) ^{*1}	Rated	7500	
			Max.	10100	
		5°FDB (Outdoor temp.) ^{*2}	Rated		
			Max.	8200	
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)	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	Airflow rate	Cooling	High	CFM (m³/h)	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	dB (A)	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		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}		1.18
Indoor Input Power	Cooling	Rated	kW	0.23—1.44
		Min.—Max.		1.05
		Rated		0.21—1.66
		Min.—Max.		0.84
	Heating	Rated		1.24
		Max.		1.1
		Rated		94
		Max.		83
Indoor Power Factor	Cooling		%	
	Heating			

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)
- *6: Selected sample based on Japan Electrotechnical Standards and Codes Committee ED005.
- Wiring spec. 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.

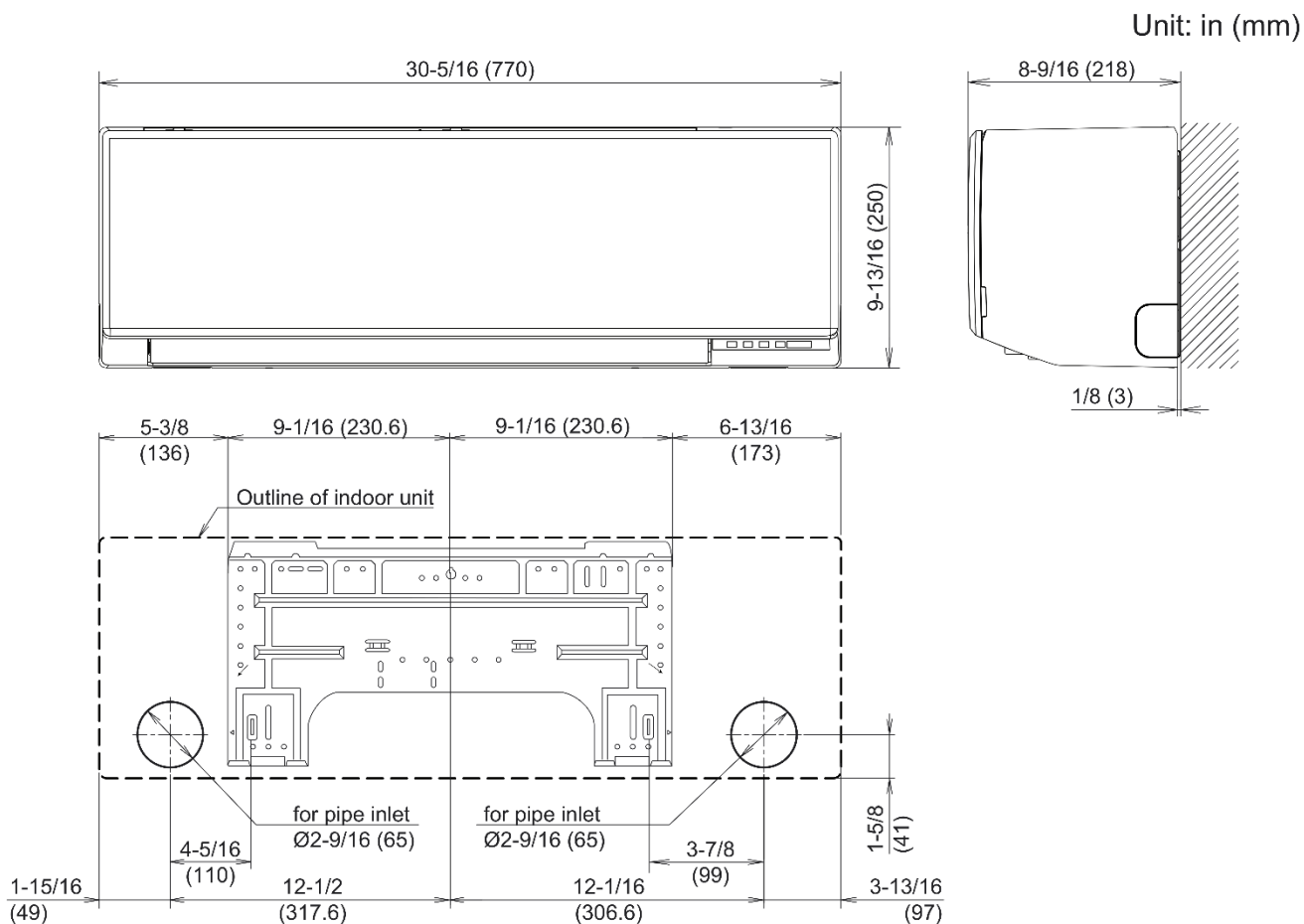
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ACCESSORIES:

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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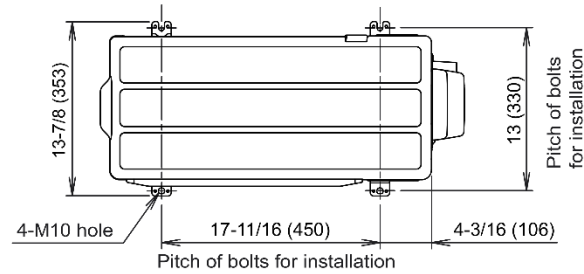
INDOOR UNIT DIMENSIONS:



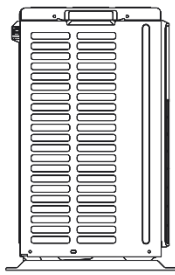
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OUTDOOR UNIT DIMENSIONS:

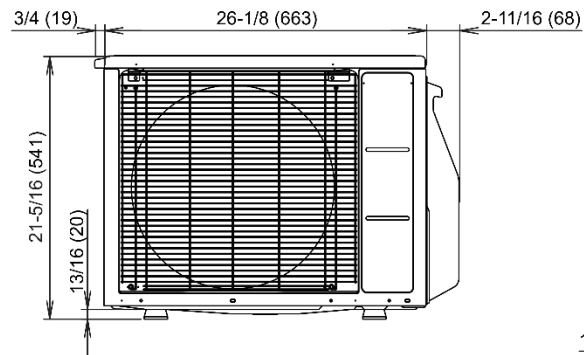
Unit: in (mm)



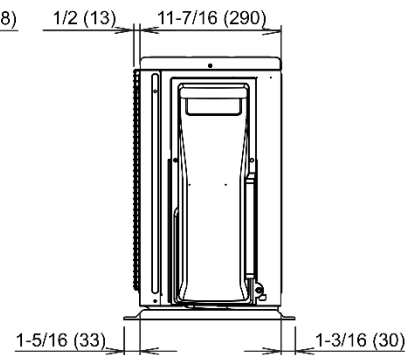
Top view



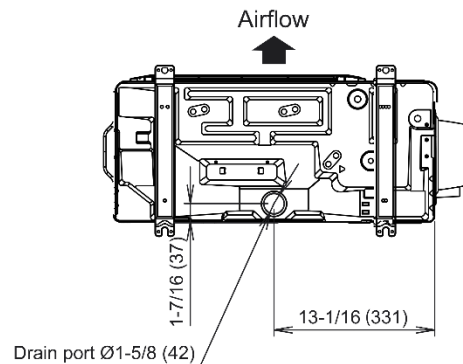
Side view



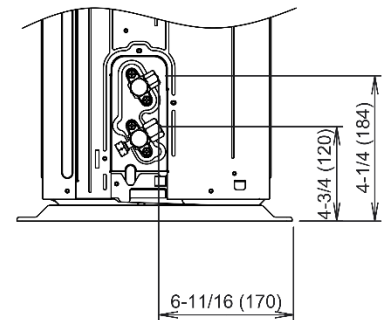
Front view



Side view



Bottom view



Side view (Valve part)

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