

SUBMITTAL - 09KNAS1

| | |
|-----------------|-------------|
| Job Name: _____ | Date: _____ |
| Location: _____ | |



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

-1 of 6-

SUBMITTAL - 09KNAS1

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) | Heating | | Btu/hW | 10.55 | |
| COP2 | | | kW/kW | 9 / 7.19 | |
| Outdoor Operation Range | Cooling | | °F (°C) | 3.56 | |
| | Heating | | | 12.16 | |
| Indoor Capacity | Cooling | | Rated | 50 to 126 (10 to 52) | |
| | | | Min.—Max. | 5 to 75 (-15 to 24) | |
| | Heating | 47°FDB (Outdoor temp.) | Rated | 9000 | |
| | | 17°FDB (Outdoor temp.) ¹ | Min.—Max. | 3,100—10,500 | |
| | | | Rated | 9000 | |
| | | 5°FDB (Outdoor temp.) ² | Max. | 3,100—12,400 | |
| | | | Rated | 5200 | |
| | | Max. | 8550 | | |
| Max. | 6800 | | | | |
| 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 (m ³ /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 | | |
| | Outdoor Fan | Airflow rate | Cooling | CFM (m ³ /h) | 27 |
| Heating | | | 971 (1,650) | | |
| Type × Qty | | PROPELLER FAN × 1 | | | |
| Motor output | | W | | | |
| Indoor Sound Pressure Level ⁴ | Cooling | High | dB (A) | 23 | |
| | | Med | | 41 | |
| | | Low | | 35 | |
| | | Quiet | | 27 | |
| | Heating | High | | 20 | |
| | | Med | | 41 | |
| | | Low | | 35 | |
| | | Quiet | | 30 | |
| Outdoor Sound Pressure Level ⁴ | Cooling | 22 | | | |
| | Heating | 45 | | | |
| | | | | 46 | |

SUBMITTAL - 09KNAS1

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) | |
| | Heating | %RH | 80 or less | |
| Power Supply | | | 115 V~ 60 Hz | |
| Available Voltage Range | | | 103.5—126.5 | |
| System power supply | Voltage | | V | |
| | Frequency | | Hz | |
| | Available voltage range | | V | |
| Indoor Current | Cooling | Rated | 8.2 | |
| | Heating | | 7.5 | |
| Maximum Operating Current ^{*3} | | Cooling | A | |
| | | Heating | | 14.7 |
| Outdoor Starting Current | | | 8.2 | |
| MCA ^{*5} | | | 18.3 | |
| Wiring spec. ^{*6} | | | 20 | |
| MAX. CKT. BKR ^{*7} | | | 20 | |
| Indoor Input Power | Cooling | Rated | kW | |
| | | Min.—Max. | | 0.85 |
| | Heating | 47°FDB (Outdoor temp.) | | 0.24—1.44 |
| | | Rated | | 0.74 |
| | | Min.—Max. | | 0.20—1.38 |
| | | 17°FDB (Outdoor temp.) ^{*1} | | 0.58 |
| 5°FDB (Outdoor temp.) ^{*2} | Rated | 1.08 | | |
| | Max. | 0.94 | | |
| 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).
 - 17°FDB (Outdoor temp.)
 - 5°FDB (Outdoor temp.)
 - *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 UL80335-2-40)
 - 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.

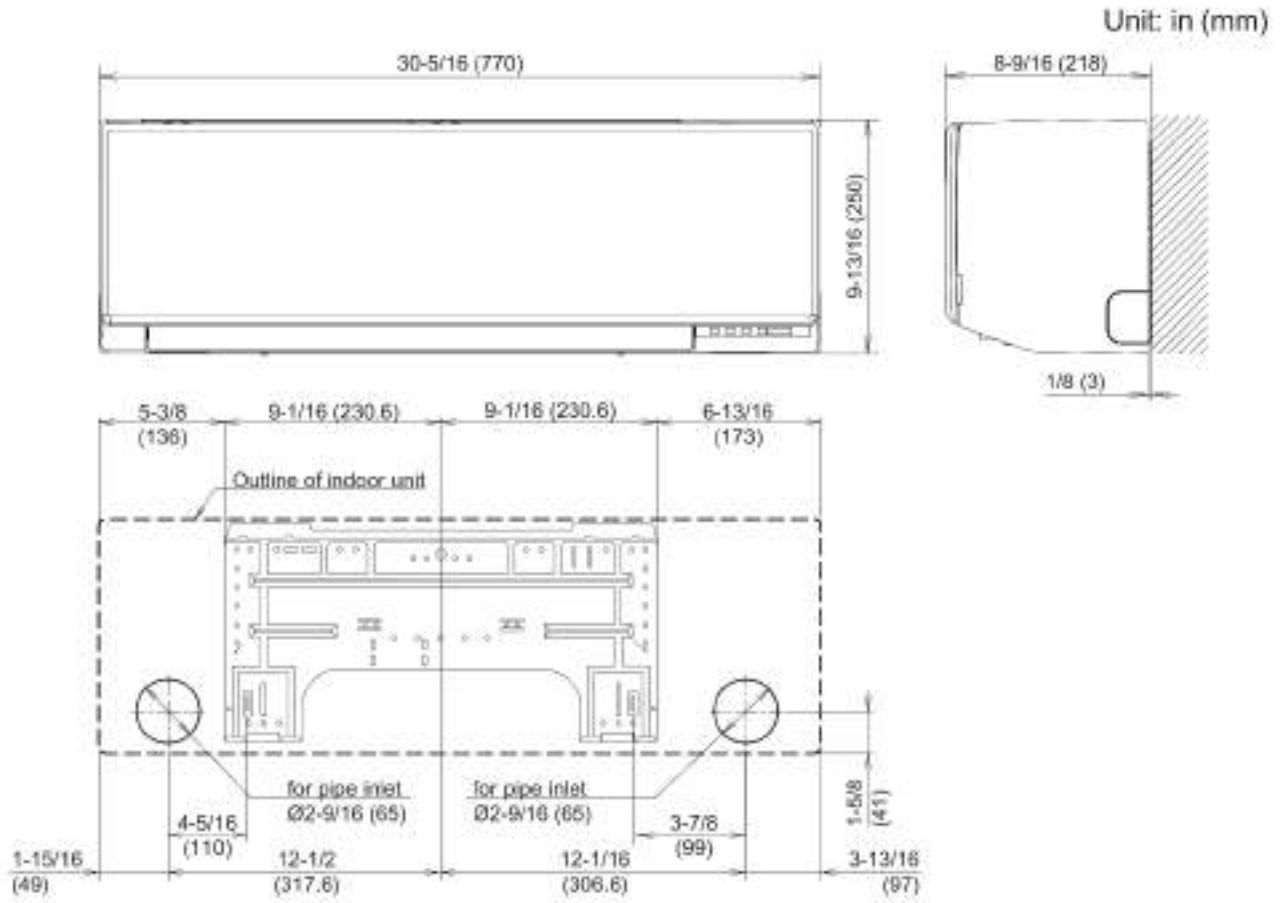
SUBMITTAL - 09KNAS1

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) |

SUBMITTAL - 09KNAS1

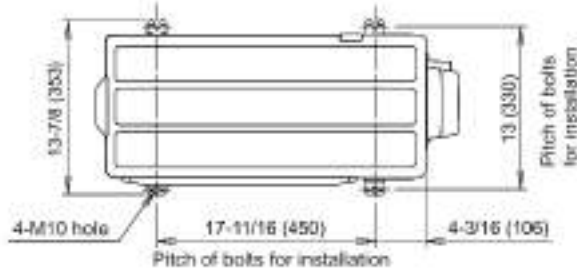
INDOOR UNIT DIMENSIONS:



SUBMITTAL - 09KNAS1

OUTDOOR UNIT DIMENSIONS:

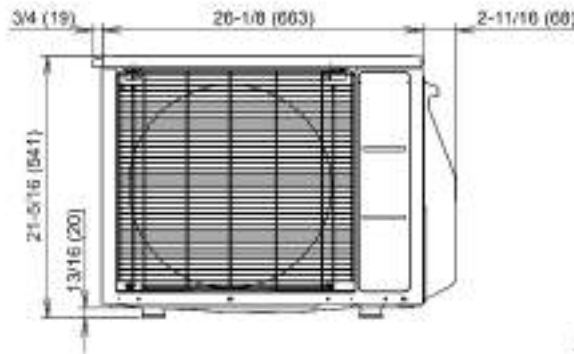
Unit: in (mm)



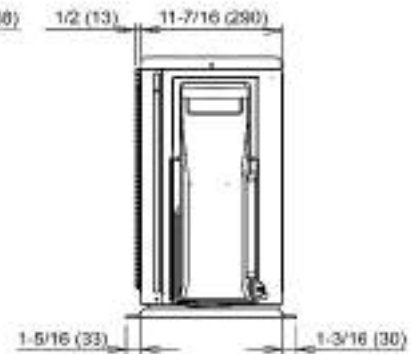
Top view



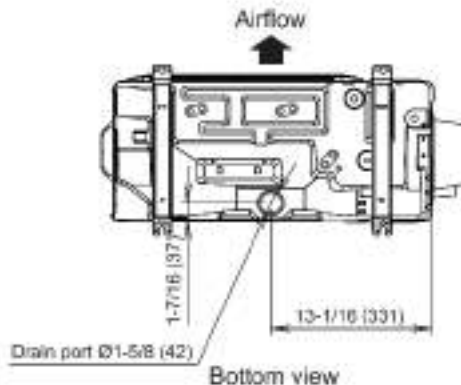
Side view



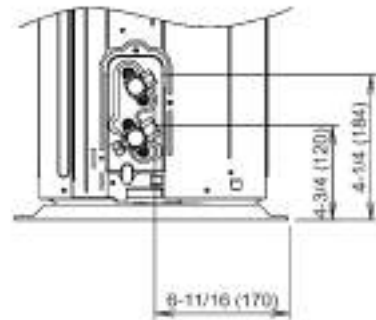
Front view



Side view



Bottom view



Side view (Valve part)

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 2025 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.