# SUBMITTAL DATA SHEET

## INNOVA Regular Heat with 2nd. Gen AHU Lite

Model Number: AUO17-60N2-M3 / AUL2-60N2-CW3E

**Location:** _____
**Engineer:** _____
**Submitted to:** _____
**Submitted by:** _____
**Reference:** _____

**Approval:** _____
**Date:** _____
**Construction:** _____
**Unit #:** _____
**Drawing #:** _____

| INDOOR SPECIFICATION | | |
|---|---|---|
| Indoor Air Flow (Turbo/H/M/L/S) (CFM) | | 1730 / 1500 / 1270 / 1040 / N\A |
| Indoor Noise Level (T/H/M/L/S) (dBA) | | 56 / 52 / 49 / 34.5 / N\A |
| Dimension (W×D×H) | inch | 21 × 21 × 49 |
| | mm | 534 × 534 × 1245 |
| Package (W×D×H) | inch | 26-5/8 × 24-3/8 × 52-1/4 |
| | mm | 675 × 620 × 1335 |
| Net/Gross Weight | lbs | 133 / 157 |
| | kg | 60.4 / 71.2 |

| OUTDOOR SPECIFICATION | | |
|---|---|---|
| Compressor Type | | ROTARY |
| Compressor Model | | KTQ420D1UMU |
| Refrigerant | | R454B |
| Factory Charge | | 1400 |
| Refrigerant Oil | | VG74 |
| Outdoor Air Flow (Max) (CFM) | | TBD |
| Outdoor Noise Level (dBA) | | 62.4 |
| Dimension (W×D×H) | inch | 38-5/8 × 16-3/8 × 38-3/8 |
| | mm | 980 × 415 × 975 |
| Package (W×D×H) | inch | 45-1/8 × 19-5/8 × 42-1/4 |
| | mm | 1145 × 500 × 1080 |
| Net/Gross Weight | lbs | 193 / 224 |
| | kg | 87.4 / 101.7 |

| EFFICIENCY | | | |
|---|---|---|---|
| Cooling | | Heating | |
| SEER2 | 15.2 | HSPF2-4 | 8.1 |
| EER2 | 8.0 | COP | 3.0 |

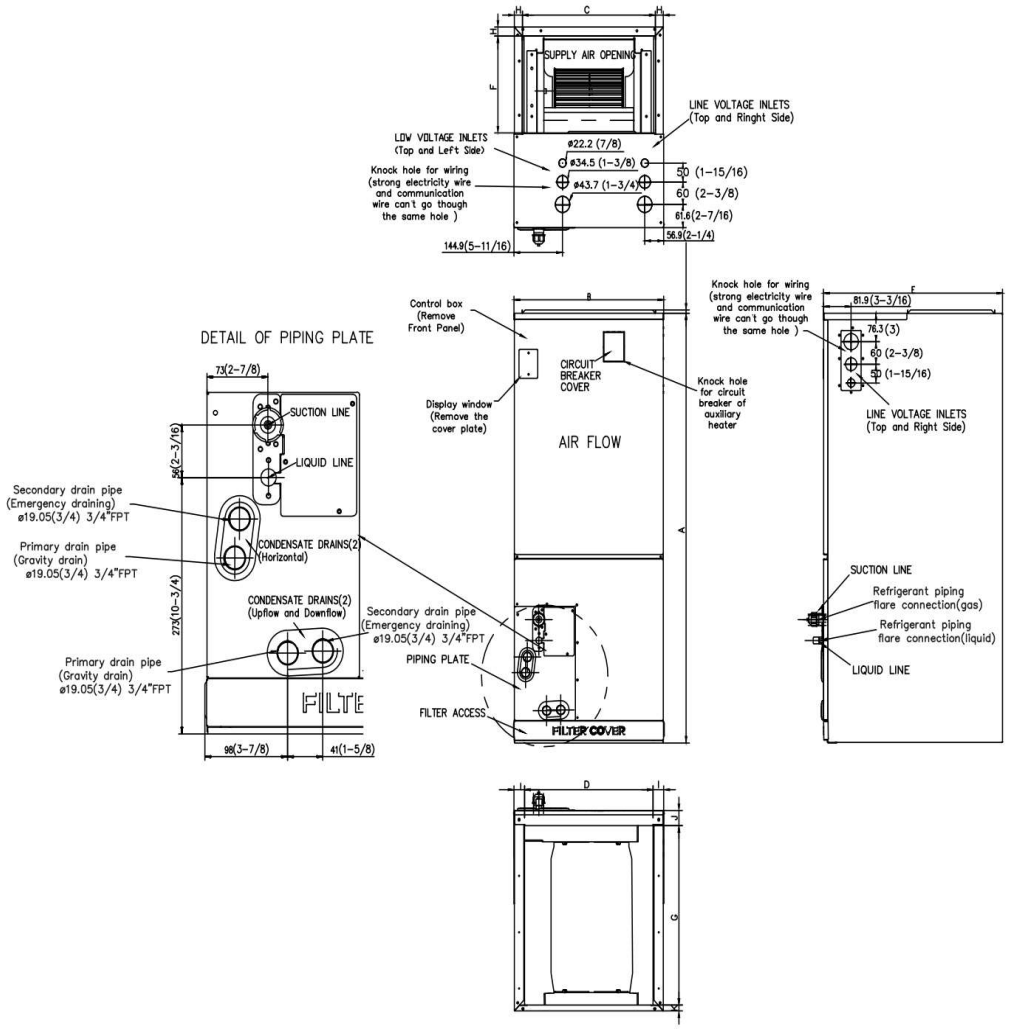
| PERFORMANCE of Cooling | |
|---|---|
| Cooling (Btu/hr) | |
| Rated Capacity | 54000 |
| Min/Max Capacity | 16,100~56,500 |
| Moisture Removal | 5.65 |
| Standard Operating Range | -13°F~122°F (-25°C~50°C) |
| Rated Cooling Conditions: | Indoor: 80°F DB/67°F WB<br>Outdoor: 95°F DB/75°F WB |

| PERFORMANCE of Heating | |
|---|---|
| Heating (Btu/hr) | |
| 1. @ 47°F Rated (Min/Max) | 54000(16,100~56,500 ) |
| 2. @ 17°F Rated | 34000 |
| 3. @ 5°F Max: Capacity / COP | 39000/1.8 |
| Standard Operating Range | -13°F~75°F (-25°C~24°C) |
| 1. Rated Heating Conditions: | Indoor: 70°F DB/60°F WB<br>Outdoor: 47°F DB/43°F WB |
| 2. Rated Heating Conditions: | Indoor: 70°F DB/60°F WB<br>Outdoor: 17°F DB/15°F WB |
| 3. Heating Conditions, Compressor Operating at Max. Frequency | Indoor: 70°F DB/60°F WB<br>Outdoor: 5°F DB/5°F WB |

| ELECTRICAL | |
|---|---|
| Indoor Power Supply | 115/208/230V,60Hz,1Ph |
| Indoor MCA 115V/(208/230V) | TBD |
| Indoor MOP | 15 |
| Outdoor Power Supply | 208/230V,60Hz,1Ph |
| Outdoor MCA | TBD |
| Outdoor MOP | TBD |
| Connection Wiring | AWG 20-2 |
| Compressor RLA | TBD |
| Outdoor Fan Motor RLA | TBD |
| Outdoor Fan Motor W | 230 |
| Indoor Fan Motor RLA | TBD |
| Indoor Fan Motor W | 560 |
| System Power Input @ Cooling (W) | 6750(1,000 ~ 7,010 ) |
| System Power Input @ Heating (W) | 5300(1,100 ~ 5,500 ) |
| **MCA**: Min. circuit amps (A) | **MOCP**: Max. over current protection (A) |
| **RLA:** Rated load amps (A) | **W:** Fan motor rated output (W) |

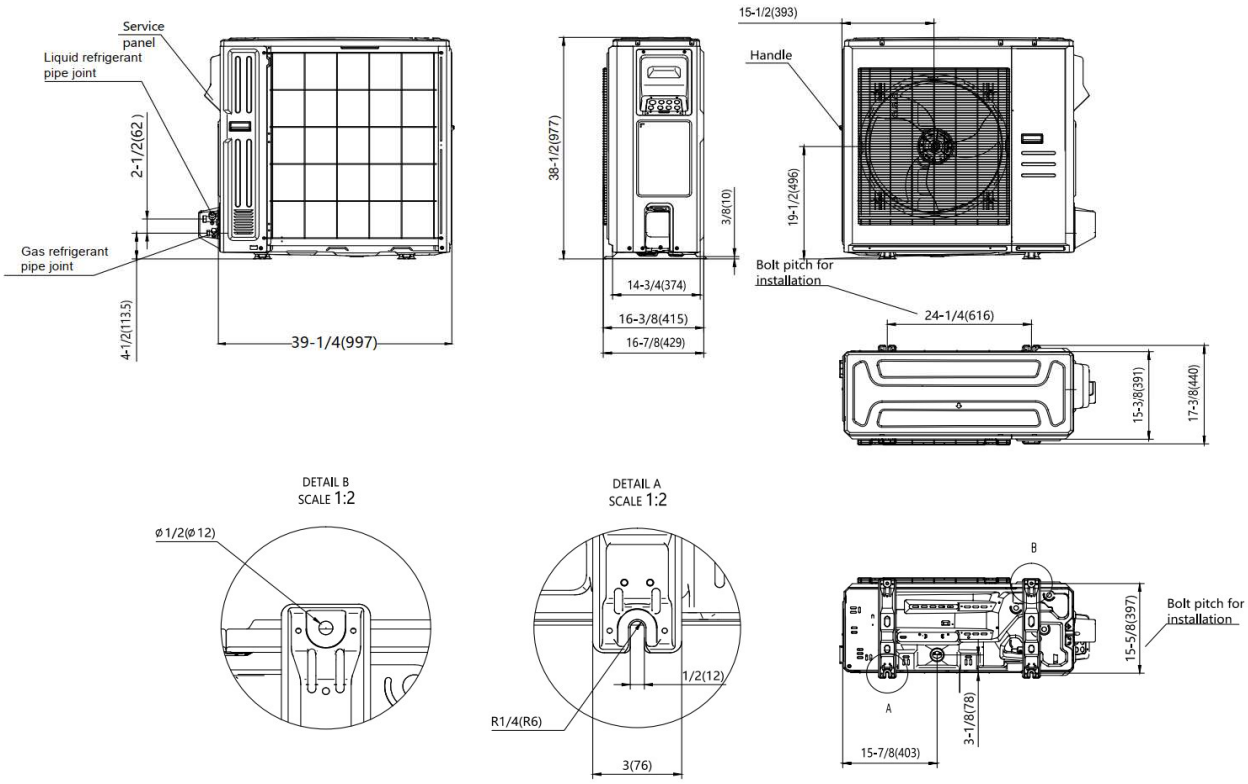
| PIPING | |
|---|---|
| Throttle type(Indoor) | EXV |
| Throttle type(Outdoor) | EXV |
| Liquid Size | 3/8in (9.52mm) |
| Gas Size | 3/4in (19mm) |
| Max. Piping Length | 246ft (75m) |
| Max. Height Difference | 98ft (30m) |
| Max. Pre-charged Length | 25ft (7.5m) |
| Refrigerant Pre-charged Amount | 134oz (3.8kg) |
| Additional Charge of Refrigerant | 0.7oz/ft (65g/m) |
| Connection Method | Flared* |

## Indoor Unit Dimension

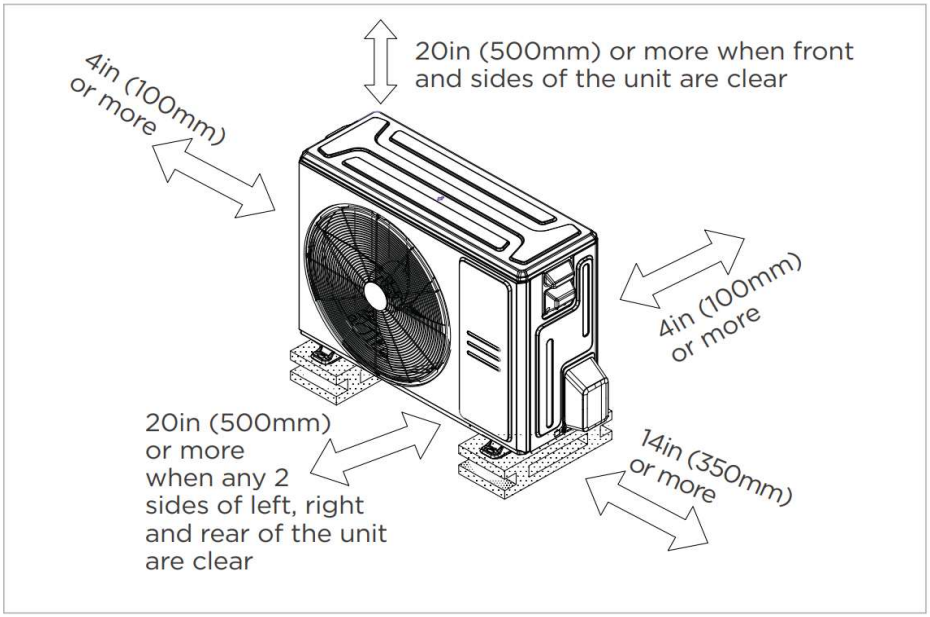



| Dimensions / Model | | 18/24/30k | | 36/48/60k | |
|---|---|---|---|---|---|
| | | inch | mm | inch | mm |
| A | Model Height | 45 | 1143 | 49 | 1245 |
| B | Model Width | 17-1/2 | 445 | 21 | 534 |
| C | Supply Air Opening Width | 15-5/8 | 397 | 19-1/8 | 486 |
| D | Return Air Opening Width | 15-1/8 | 384 | 18-5/8 | 473 |
| E | Model Depth | 21 | 534 | 21 | 534 |
| F | Supply Air Opening Depth | 10-1/4 | 260 | 10-1/4 | 260 |
| G | Return Air Opening Depth | 18-3/4 | 476 | 18-3/4 | 476 |
| H | Supply Air Opening Clearance | 15/16 | 24 | 15/16 | 24 |
| I | Return Air Opening Side Clearance | 1-1/4 | 32 | 1-1/4 | 32 |
| J | Return Air Opening Front Clearance | 1-1/2 | 38 | 1-5/8 | 41 |
| K | Return Air Opening Back Clearance | 5/8 | 16 | 5/8 | 16 |

## Outdoor Unit Dimension

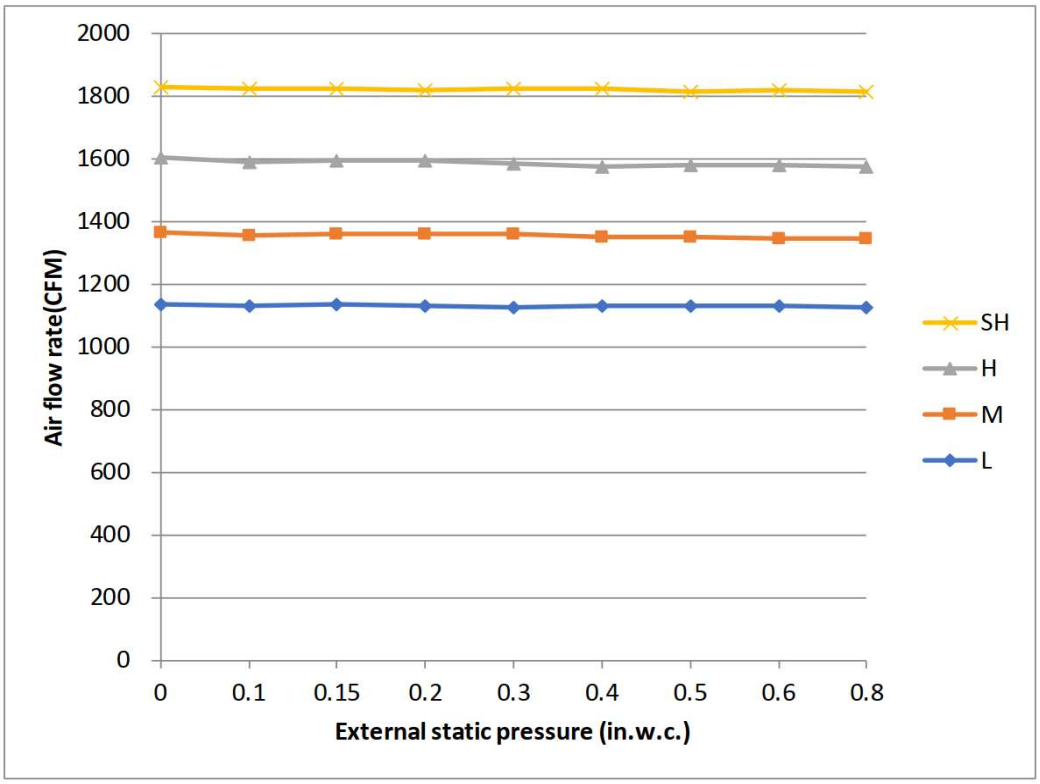



## Installation Instruction




☑ Meets all spatial requirements shown in Installation Clearance Requirements above.

## Fan Performance For Indoor Unit




## Features

- Multi-position installation: horizontal(left or right), vertical( up or down)
- Aluminum Coil
- Constantly Air Flow system up to 0.80 In.W.G
- 1 inch R4.2 fiberglass free insulation reduces condensation and boosts efficiency(optional)
- Optional Auxiliary heat kit up to 20kW
- Easy Maintenance
- Multiple control options available:
  - Two way communication wired controller:120N(X6)
  - Two way communication wired controller with built-in WiFi:120N(X6W)
  - Wireless remote controller
  - Third-Party 24V Thermostat
- Adaptive Control System
- High efficiency up to 17.6 SEER2, 9.5 EER2, 9.2 HSPF2
- Chassis heater and crankcase heater equipped as standard