

# SUBMITTAL DATA SHEET



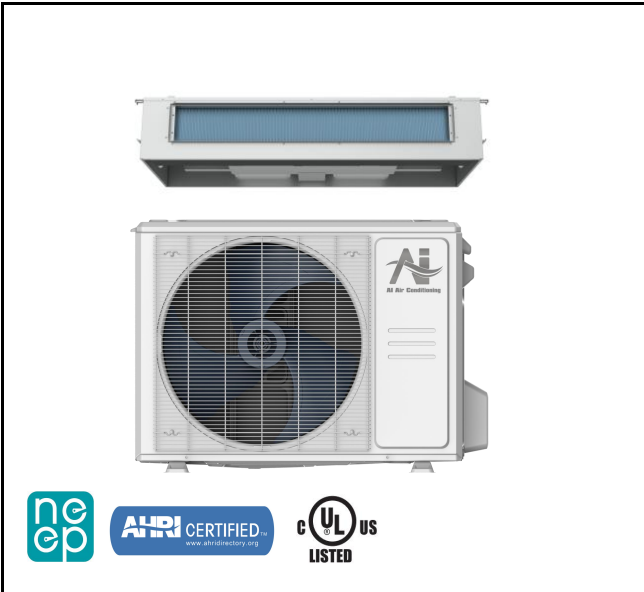
Series Name: **INNOVA 24V Regular with Pancake**

Model Number: **AUO17-24N1-M3 / AUP-24N1-IM3**

## Heat Pump System

Location: \_\_\_\_\_  
 Engineer: \_\_\_\_\_  
 Submitted to: \_\_\_\_\_  
 Submitted by: \_\_\_\_\_  
 Reference: \_\_\_\_\_

Approval: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Construction: \_\_\_\_\_  
 Unit #: \_\_\_\_\_  
 Drawing #: \_\_\_\_\_



| INDOOR SPECIFICATION             |      |                          |
|----------------------------------|------|--------------------------|
| Indoor Air Flow (H/M/L) (CFM)    |      | 824/759/694              |
| Indoor Noise Level (H/M/L) (dBA) |      | 55/52/45.5               |
| Dimension (W×D×H)                | inch | 49-1/8 x 23-3/8 x 11     |
|                                  | mm   | 1248 x 593 x 278         |
| Package (W×D×H)                  | inch | 53-1/8 x 26-3/4 x 13-5/8 |
|                                  | mm   | 1350 x 680 x 345         |
| Net/Gross Weight                 | lbs  | 123/136                  |
|                                  | kg   | 55.6/61.9                |

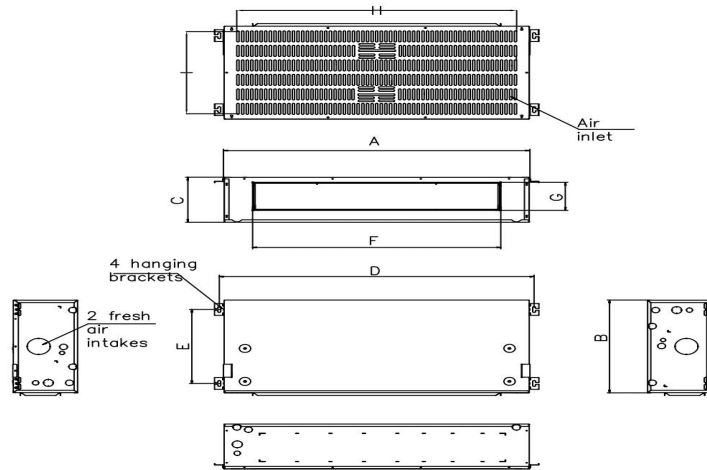
| OUTDOOR SPECIFICATION        |      |                          |
|------------------------------|------|--------------------------|
| Compressor Type              |      | Twin-ROTARY              |
| Refrigerant                  |      | R410A                    |
| Factory Charge Oil           |      | 670ml                    |
| Refrigerant Oil              |      | VG74                     |
| Outdoor Air Flow (Max) (CFM) |      | 1765                     |
| Outdoor Noise Level (dBA)    |      | 60                       |
| Dimension (W×D×H)            | inch | 35 x 13-1/2 x 26-1/2     |
|                              | mm   | 890 x 342 x 673          |
| Package (W×D×H)              | inch | 39-1/8 x 15-5/8 x 29-1/8 |
|                              | mm   | 995 x 398 x 740          |
| Net/Gross Weight             | lbs  | 102/109                  |
|                              | kg   | 46.4/49.5                |

| EFFICIENCY                                                    |                         |                                                     |                 |
|---------------------------------------------------------------|-------------------------|-----------------------------------------------------|-----------------|
| Cooling                                                       |                         | Heating                                             |                 |
| SEER2                                                         | 16.0                    | HSPF2-4                                             | 8.5             |
| EER2                                                          | 10.0                    | COP                                                 | To be confirmed |
| PERFORMANCE of Cooling                                        |                         |                                                     |                 |
| Cooling (Btu/hr)                                              |                         |                                                     |                 |
| Rated Capacity                                                | 24000                   |                                                     |                 |
| Min/Max Capacity                                              | To be confirmed         |                                                     |                 |
| Moisture Removal                                              | To be confirmed         |                                                     |                 |
| Standard Operating Range                                      | 5°F~122°F (-15°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)                                     | 26000                   |                                                     |                 |
| 2. @ 17°F Rated                                               | 21000                   |                                                     |                 |
| 3. @ 5°F Max: Capacity / COP                                  | 18000 / 2.00            |                                                     |                 |
| 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                       |                                        |
|----------------------------------|----------------------------------------|
| Power Supply                     | 208/230V, 1Ph, 60Hz                    |
| Outdoor/Indoor MCA               | 19/5                                   |
| Connection Wiring                | AWG 14-4                               |
| Outdoor/Indoor MOCP              | 30/15                                  |
| Compressor RLA                   | 14                                     |
| Outdoor Fan Motor RLA            | 1                                      |
| Outdoor Fan Motor W              | To be confirmed                        |
| Indoor Fan Motor RLA             | 3.8                                    |
| Indoor Fan Motor W               | To be confirmed                        |
| System Power Input @ Cooling (W) | To be confirmed                        |
| System Power Input @ Heating (W) | To be confirmed                        |
| MCA: Min. circuit amps (A)       | MOCP: Max. over current protection (A) |
| RLA: Rated load amps (A)         | W: Fan motor rated output (W)          |

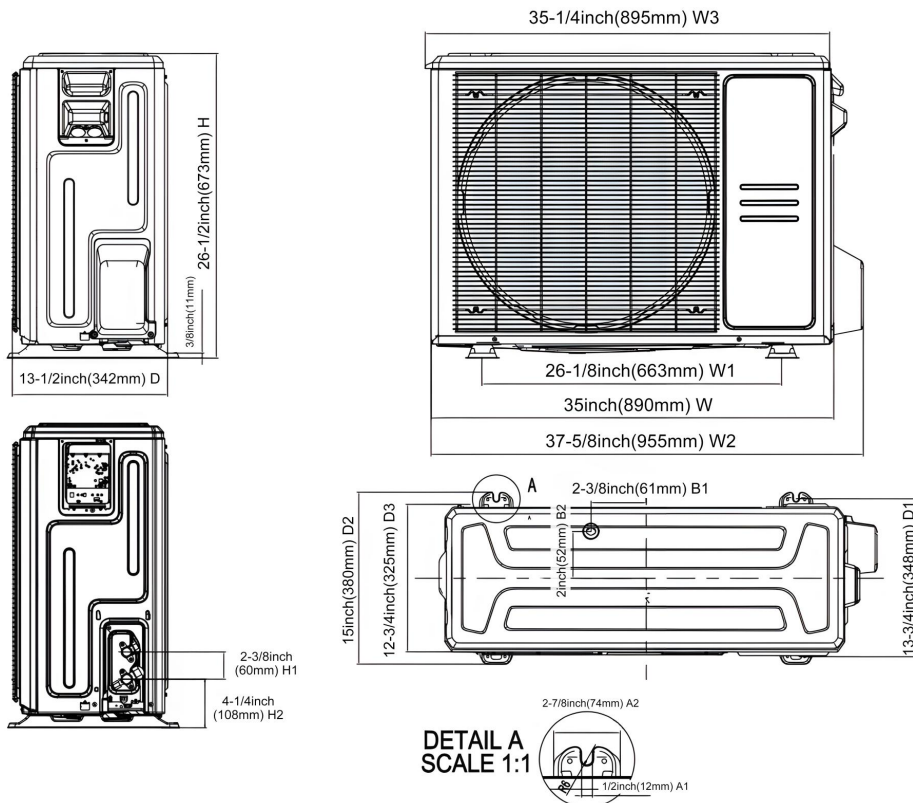
| PIPING                           |                                          |
|----------------------------------|------------------------------------------|
| Liquid Size                      | 3/8in (9.52mm)                           |
| Gas Size                         | 3/4in (19mm) ODU Adaptor from 5/8 to 3/4 |
| Drain Size                       | 5/8in (15.88mm)                          |
| Max. Piping Length               | 164ft (50m)                              |
| Max. Height Difference           | 82ft (25m)                               |
| Max. Pre-charged Length          | 25ft (7.5m)                              |
| Refrigerant Pre-charged Amount   | 74.08oz (2100g)                          |
| Additional Charge of Refrigerant | 0.69oz/ft (65g/m)                        |
| Connection Method                | Flared                                   |

## Indoor Unit Dimension



| Dimensions |                    | Model(Btu/h) | 18K<br>inch | 24K<br>inch | 30K<br>inch | 36K<br>inch |
|------------|--------------------|--------------|-------------|-------------|-------------|-------------|
| A          | Model Length       |              | 43-1/4      | 49-1/8      | 55-1/4      | 62-1/8      |
| B          | Model Width        |              | 23-5/16     | 23-5/16     | 23-5/16     | 23-5/16     |
| C          | Model Height       |              | 10-15/16    | 10-15/16    | 10-15/16    | 10-15/16    |
| D          | MOUNTED LUG Length |              | 41-5/8      | 47-1/2      | 53-5/8      | 60-1/2      |
| E          | MOUNTED LUG width  |              | 18-1/8      | 18-1/8      | 18-1/8      | 18-1/8      |
| F          | AIR OUTLET LENGTH  |              | 30-5/16     | 36-3/16     | 42-5/16     | 49-3/16     |
| G          | AIR OUTLET WIDTH   |              | 6-7/8       | 6-7/8       | 6-7/8       | 6-7/8       |
| H          | AIR RETURN LENGTH  |              | 38-3/8      | 44-5/16     | 50-3/8      | 57-1/4      |
| I          | AIR RETURN WIDTH   |              | 21-1/8      | 21-1/8      | 21-1/8      | 21-1/8      |

## Outdoor Unit Dimension



24K

