



PROJECT NAME \_\_\_\_\_  
LOCATION \_\_\_\_\_  
ARCHITECT \_\_\_\_\_  
ENGINEER \_\_\_\_\_  
CONTRACTOR \_\_\_\_\_  
SUBMITTED BY \_\_\_\_\_ DATE \_\_\_\_\_

**UNIT SUMMARY**

|                     |  |  |  |  |  |  |
|---------------------|--|--|--|--|--|--|
| Quantity            |  |  |  |  |  |  |
| Unit Designation    |  |  |  |  |  |  |
| Model No.           |  |  |  |  |  |  |
| Total Cooling       |  |  |  |  |  |  |
| Sensible Cooling    |  |  |  |  |  |  |
| Air Ent. Evaporator |  |  |  |  |  |  |
| Air Lvg. Evaporator |  |  |  |  |  |  |
| Heating Input       |  |  |  |  |  |  |
| Heating Output      |  |  |  |  |  |  |
| CFM/ESP             |  |  |  |  |  |  |
| EER/SEER            |  |  |  |  |  |  |
| Electrical          |  |  |  |  |  |  |
| Minimum Ampacity    |  |  |  |  |  |  |
| Min.-Max. Breaker   |  |  |  |  |  |  |
| Net Unit Weight     |  |  |  |  |  |  |
| Accessory           |  |  |  |  |  |  |
| Catalog Form Number |  |  |  |  |  |  |

**ACCESSORIES:**

**NOTES:**

# Endeavor® Line (-)A13NY iC Air Conditioners

## Cooling Efficiency: 13.4 SEER2/9.0 EER2

## Nominal Sizes: 1.5 to 5 Tons [5.28 to 17.6 kW]

## Cooling Capacities: 17.1 to 57.0 kBTU [5.0 to 16.7 kW]

## Refrigerant Type: R-454B

JOB NAME \_\_\_\_\_ LOCATION \_\_\_\_\_

CONTRACTOR \_\_\_\_\_ ORDER NO. \_\_\_\_\_

ENGINEER \_\_\_\_\_ UNIT MODEL NO. \_\_\_\_\_

SUBMITTED FOR  APPROVAL  RECORD COIL MODEL NO. \_\_\_\_\_

DATE \_\_\_\_\_ AIR HANDLER MODEL NO. \_\_\_\_\_

### UNIT DATA

#### COOLING PERFORMANCE

EFFICIENCY ..... SEER

TOTAL CAPACITY\* ..... MBH [kW]

SENSIBLE CAPACITY\* ..... MBH [kW]

OUTDOOR DESIGN TEMP..... °F [°C] DB

TEMP. OF AIR ENTERING  
EVAPORATOR COIL ..... °F [°C] DB

..... °F [°C] WB

POWER INPUT REQUIREMENT ..... kW  
(\*uses blower motor heat)

#### HEATING PERFORMANCE

EFFICIENCY ..... HSPF

TOTAL CAPACITY\* ..... MBH [kW]

OUTDOOR DESIGN TEMP..... °F [°C] DB

TEMP. OF AIR ENTERING  
EVAPORATOR COIL ..... °F [°C] DB

#### SUPPLY AIR BLOWER PERFORMANCE

TOTAL AIR SUPPLY ..... CFM [L/s]

TOTAL RESISTANCE EXTERNAL  
TO UNIT ..... IWG

BLOWER SPEED ..... RPM

POWER OUTPUT REQUIREMENT ..... BHP

MOTOR RATING ..... HP [W]

POWER INPUT REQUIREMENT ..... kW

#### ELECTRICAL DATA

POWER SUPPLY ..... Hz

TOTAL UNIT AMPACITY ..... AMPS

MINIMUM WIRE SIZE ..... AWG

MAXIMUM OVERCURRENT DEVICE  
FUSES/HACR BREAKER ..... AMPS

#### CLEARANCES

ACCESS SIDE 24" [609.6 mm]

AIR INLETS 12" [304.8 mm]

ABOVE UNIT 60" [1524 mm]

### FEATURES

- **Fully Louvered Steel Cabinet:** Features durable construction to add protection from yard hazards, weather corrosion
- **7mm Condenser Copper Coil<sup>1</sup>:** Requires less refrigerant allowing for a smaller and lighter footprint while enhancing reliability
- **Easily Accessible Control Box:** Ease of installation and serviceability
- **Designing for Sustainability with Low GWP:** For 2025, the Environmental Protection Agency (EPA) has set a global warming potential (GWP) limit of 700 for refrigerant used in heating and cooling systems. This new requirement will result in a 78%<sup>2</sup> lower GWP than previous-generation refrigerants — with only minimal changes to system installation. For us, this is another step toward our continued sustainability goal of reducing greenhouse gas emissions, while still delivering an exceptional level of energy efficient, dependable comfort
- **PlusOne® Refrigerant Detection System<sup>TM3</sup>:** An integrated one-box, patented design featuring the A2L sensor and mitigation board, offering easier commissioning with a single component and simplified wiring configuration, compatibility with any 24V thermostat application and system protection by automatically pausing outdoor unit operation — if excess refrigerant is detected

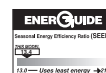
### ACCESSORIES/OPTIONS

- Compressor Crankcase Heater .....
- Compressor Sound Cover .....
- Compressor Hard Start Kit .....
- Compressor Time Delay .....
- Low Pressure Control .....
- High Pressure Control .....
- Liquid Line Solenoid (24 VAC, 50/60 Hz) .....
- Liquid Line Solenoid (120/240 VAC, 50/60 Hz) .....

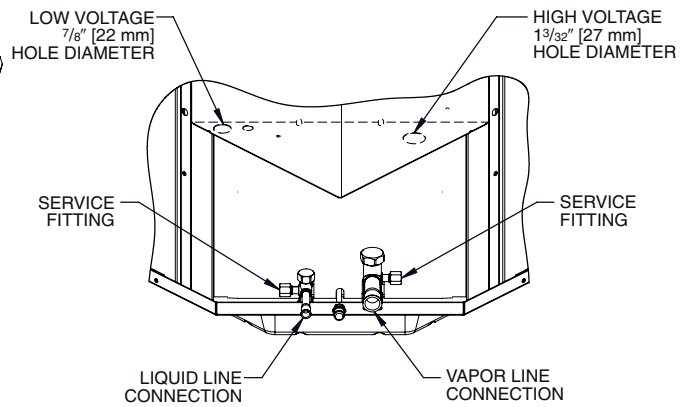
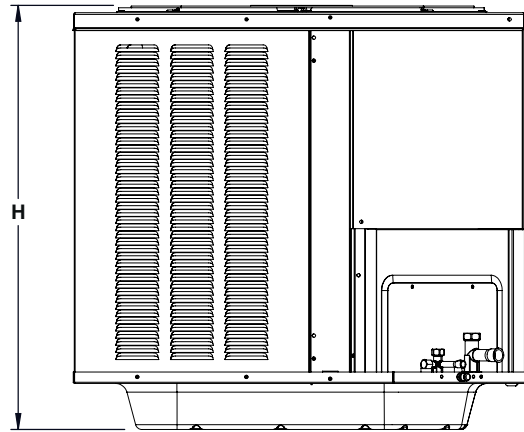
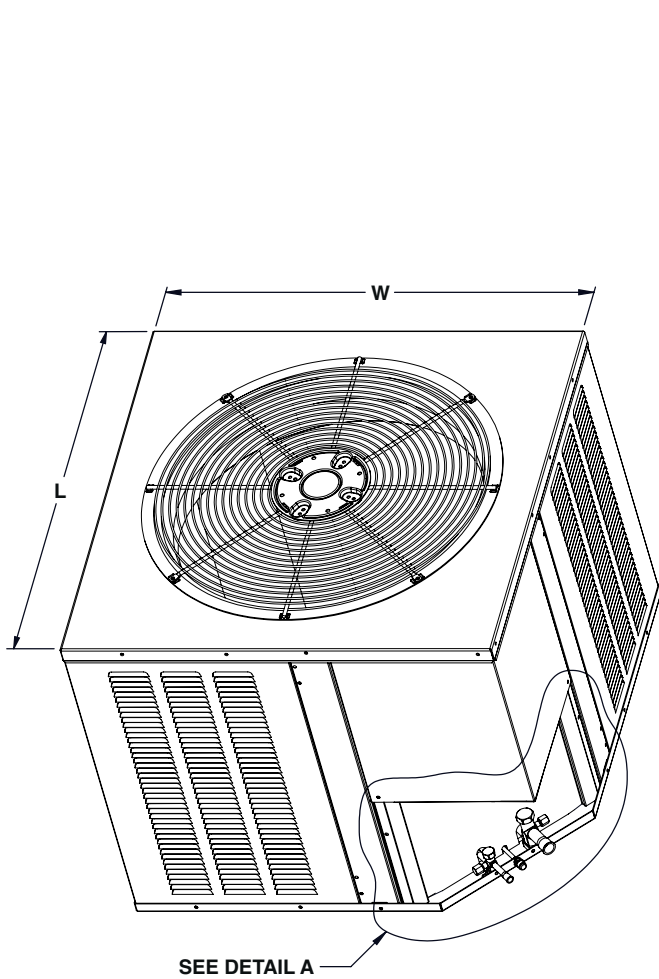
<sup>1</sup>Does not apply to 5 ton models

<sup>2</sup>When comparing the GWP of R-454B to R-410A refrigerant

<sup>3</sup>Factory or field installed in the furnace coil or air handler and is applicable to the complete heating and cooling system featuring Low GWP Refrigerant (A2L)



(-)A13NY



DETAIL A

Illustration  
ST-A1331-01

[ ] Designates Metric Conversions

## Unit Dimensions

| Model No.     | OPERATING  |      |            |     |           |     | SHIPPING   |      |            |     |           |     |
|---------------|------------|------|------------|-----|-----------|-----|------------|------|------------|-----|-----------|-----|
|               | H (Height) |      | L (Length) |     | W (Width) |     | H (Height) |      | L (Length) |     | W (Width) |     |
|               | Inches     | mm   | Inches     | mm  | Inches    | mm  | Inches     | mm   | Inches     | mm  | Inches    | mm  |
| (-)A13NY18AJ1 | 25.17      | 639  | 29.54      | 750 | 29.54     | 750 | 27.06      | 687  | 32.63      | 829 | 32.63     | 829 |
| (-)A13NY24AJ1 | 25.17      | 639  | 29.54      | 750 | 29.54     | 750 | 27.06      | 687  | 32.63      | 829 | 32.63     | 829 |
| (-)A13NY30AJ1 | 25.17      | 639  | 33.66      | 855 | 33.66     | 855 | 27.06      | 687  | 36.63      | 930 | 36.63     | 930 |
| (-)A13NY36AJ1 | 25.17      | 639  | 33.66      | 855 | 33.66     | 855 | 27.06      | 687  | 36.63      | 930 | 36.63     | 930 |
| (-)A13NY42AJ1 | 27.17      | 690  | 33.66      | 855 | 33.66     | 855 | 29.06      | 738  | 36.63      | 930 | 36.63     | 930 |
| (-)A13NY48AJ1 | 39.17      | 995  | 35.54      | 903 | 35.54     | 903 | 41.06      | 1043 | 38.63      | 981 | 38.63     | 981 |
| (-)A13NY60AJ1 | 45.17      | 1147 | 35.54      | 903 | 35.54     | 903 | 47.06      | 1195 | 38.63      | 981 | 38.63     | 981 |

Before proceeding with installation, refer to installation instructions packaged with each model, as well as complying with all Federal, State, Provincial, and Local codes, regulations, and practices.

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