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:**

# Vantix® Line RF2TY Air Handler
# Nominal Sizes: 2 to 3 Ton [5.3 to 10.6 kW]
# Constant Torque Motor (ECM) with Two-Stage Airflow
# Expansion Device: Thermal Expansion Valve (TXV)
# Efficiencies: 13.4 to 14.3 SEER2
# 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

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

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

OUTDOOR DESIGN TEMP..... _____ °F [°C] DB

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

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

_____ °F [°C] WB

POWER INPUT REQUIREMENT ..... _____ kW

(*uses blower motor heat)

### HEATING PERFORMANCE

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

OUTDOOR DESIGN TEMP..... _____ °F [°C] DB

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

ELECTRIC HEAT CAPACITY..... _____ kW

POWER INPUT REQUIREMENT ..... _____ kW

(*uses blower motor heat)

### 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

SERVICE ACCESS FRONT 24” [609.6 mm]

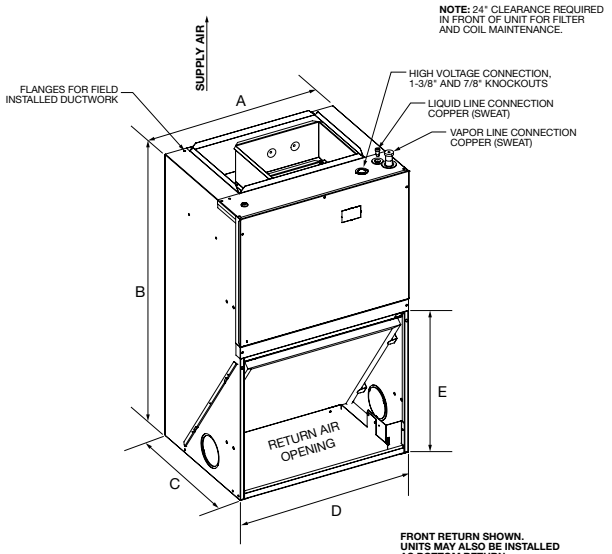
## FEATURES

- **Quiet Operation[1]:** Provided by a cabinet construction with 1.0 inch of foil faced insulation for quieter sound characteristics
- **Front or Bottom Return with Aluminum Indoor Coil Design:** Are constructed of aluminum fins bonded to internally grooved aluminum tubing and are more corrosion resistant
- **Rugged Steel Cabinet Construction:** Designed for added strength and versatility
- **Most Compact Unit Design Available:** All standard air handler models are only 36" [915mm] in height
- **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%[2] 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
- **Refrigerant Detection System™[3]:** 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

ISO 9001:2015 c UL us LISTED AHRI CERTIFIED LOW GWP Refrigerant

*[1]Based on manufacturer’s air handler offering, and the product’s airflow stages, motor type and cabinet insulation. Sound levels are also dependent on air handler location and installation. [2]When comparing the GWP of A2L refrigerants to R-410A refrigerant. [3]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).*

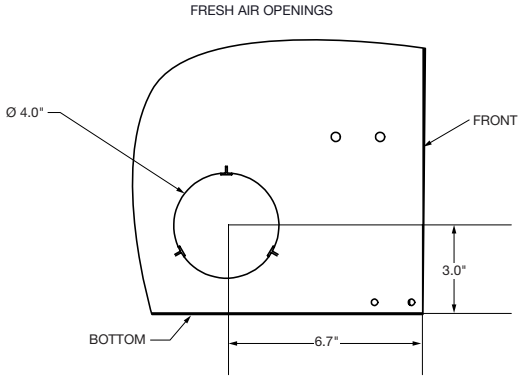
**RF2TY**




ST-A1258-02-01

## Return Air Opening Dimensions

| Model Cabinet Size | Return Air Opening Width (Inches) | Return Air Opening Depth/Length (Inches) |
|---|---|---|
| 21 | 19 3/8 | 19 3/4 |
| 24 | 22 7/8 | 19 3/4 |




Fresh air openings shall be provided for unventilated areas

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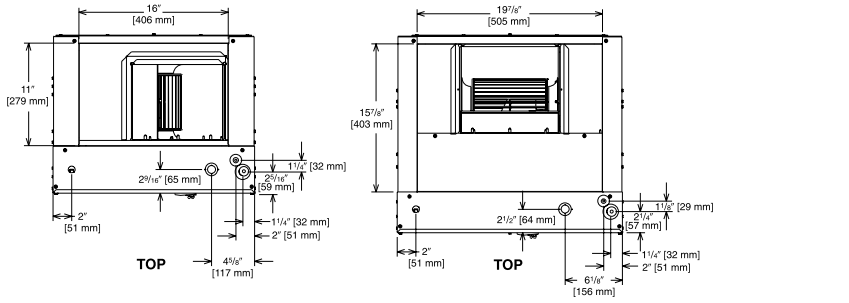


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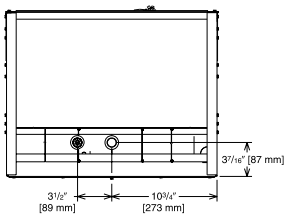
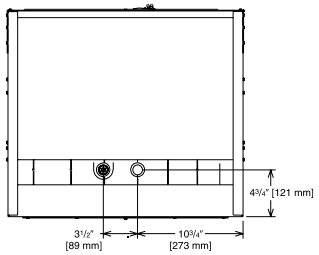



**BOTTOM**
**1½ & 2 TON [5.28 & 7.03 kW] MODELS**




**BOTTOM**
**2½ & 3 TON [8.79 & 10.6 kW] MODELS**

## Unit Dimensions & Weights

| Model | (A) Unit Width In. [mm] | (B) Unit Height In. [mm] | (C) Unit Depth In. [mm] | (D) Return Air Opening Width In. [mm] | (E) Return Air Opening Height In. [mm] | Filter Size in. x in. x in. [mm x mm x mm] | Air Flow CFM (Nom.) [L/s] | | Unit Weight/Shipping Weight (Lbs.) [kg] |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Low | High | |
| RF2TY2421 | 21 1/2 [546.1] | 36 [914.4] | 17 [431.8] | 20 [508.0] | 17 7/16 [442.9] | 20 X 20 X 1 [508 X 508 X 25.4] | 600 [283] | 800 [378] | 95 [43] x 105 [48] |
| RF2TY3624 | 24 [609.6] | 36 [914.4] | 21 [533.4] | 23 [584.2] | 21 3/8 [542.9] | 20 X 25 X 1 [508 X 635 X 25.4] | 1000 [472] | 1200 [566] | 95 [43] x 105 [48] |

**[ ] Designates Metric Conversions**

**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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