

# Submittal Data Sheet



Single Package Air Conditioners and  
Gas/electric Heat Units, 3 ton through 12-1/2 ton  
Models: ZJ/ZT037-150, ZB078-150

|                   |      |              |           |               |
|-------------------|------|--------------|-----------|---------------|
| Job name:         |      | Location:    |           |               |
| Purchaser:        |      | Order no:    |           |               |
| Engineer:         |      |              |           |               |
| Submitted to:     | For: | Ref:         | Approval: | Construction: |
| Submitted by:     |      |              | Date:     |               |
| Unit designation: |      | Schedule no. |           | Model no.     |

## Cooling performance

Total capacity ----- MBH  
Sensible capacity ----- MBH  
Outdoor design temperature ----- °F DB/WB  
Total supply air ----- CFM  
Temperature of air entering  
evaporator coil ----- °F  
Power input req. ----- kW  
(less blower motor)

## Heating performance

Electric heat ----- kW  
Gas-fired input cap. ----- MBH

## Supply air blower performance

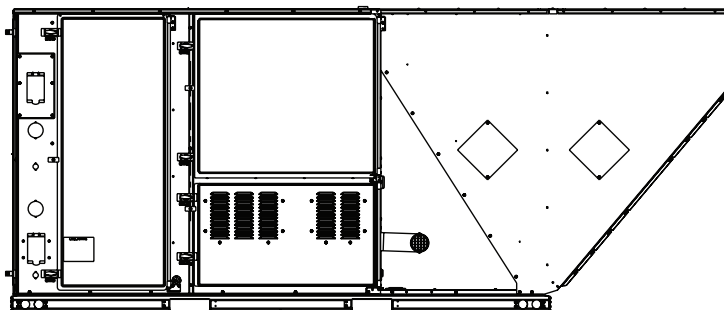
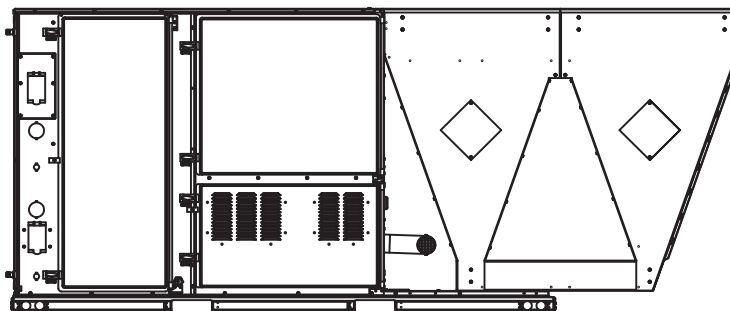
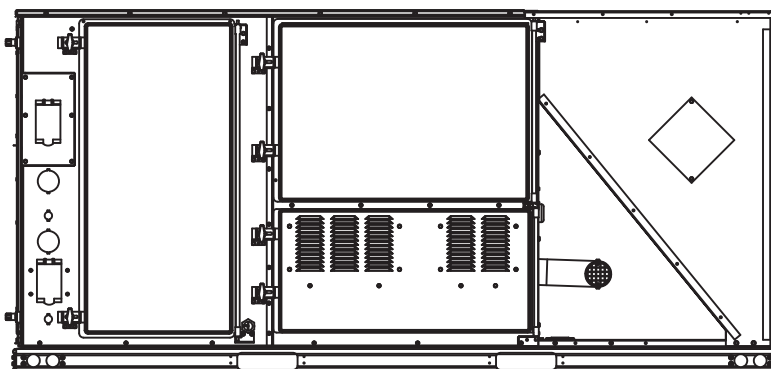
Total supply air ----- CFM  
Ext. static press. ----- IWG  
Blower speed ----- RPM  
Power output req. ----- BHP  
Motor rating ----- HP  
Power input req. ----- kW

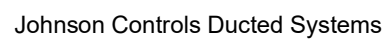
## Electrical data

Power supply -----  
Total unit ampacity ----- AMPS  
Max. overcurrent device fuse breaker ----- AMPS

## Total unit weight

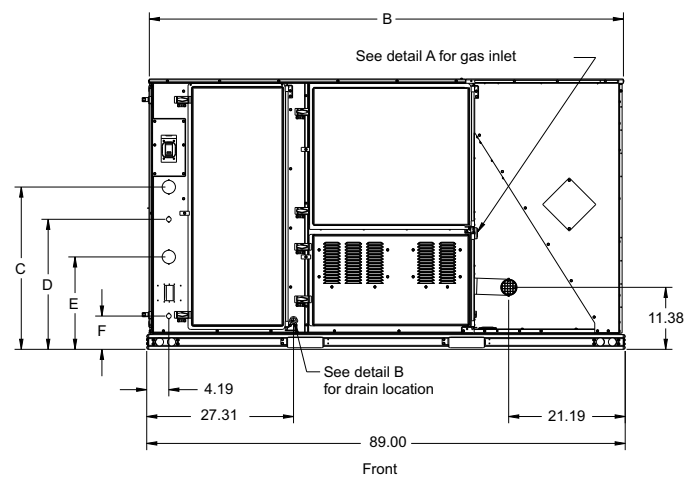
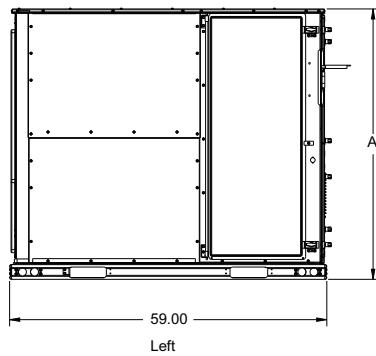
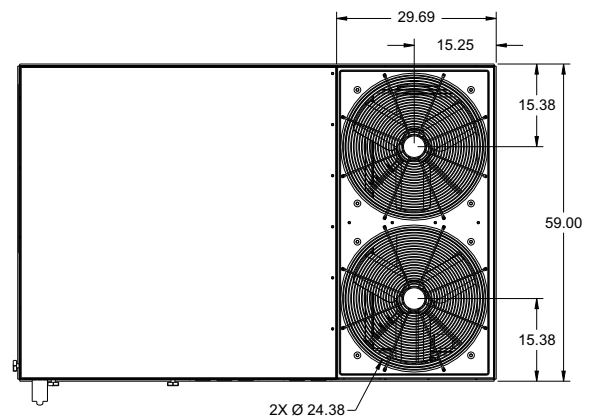
Including factory- installed  
options ----- lb



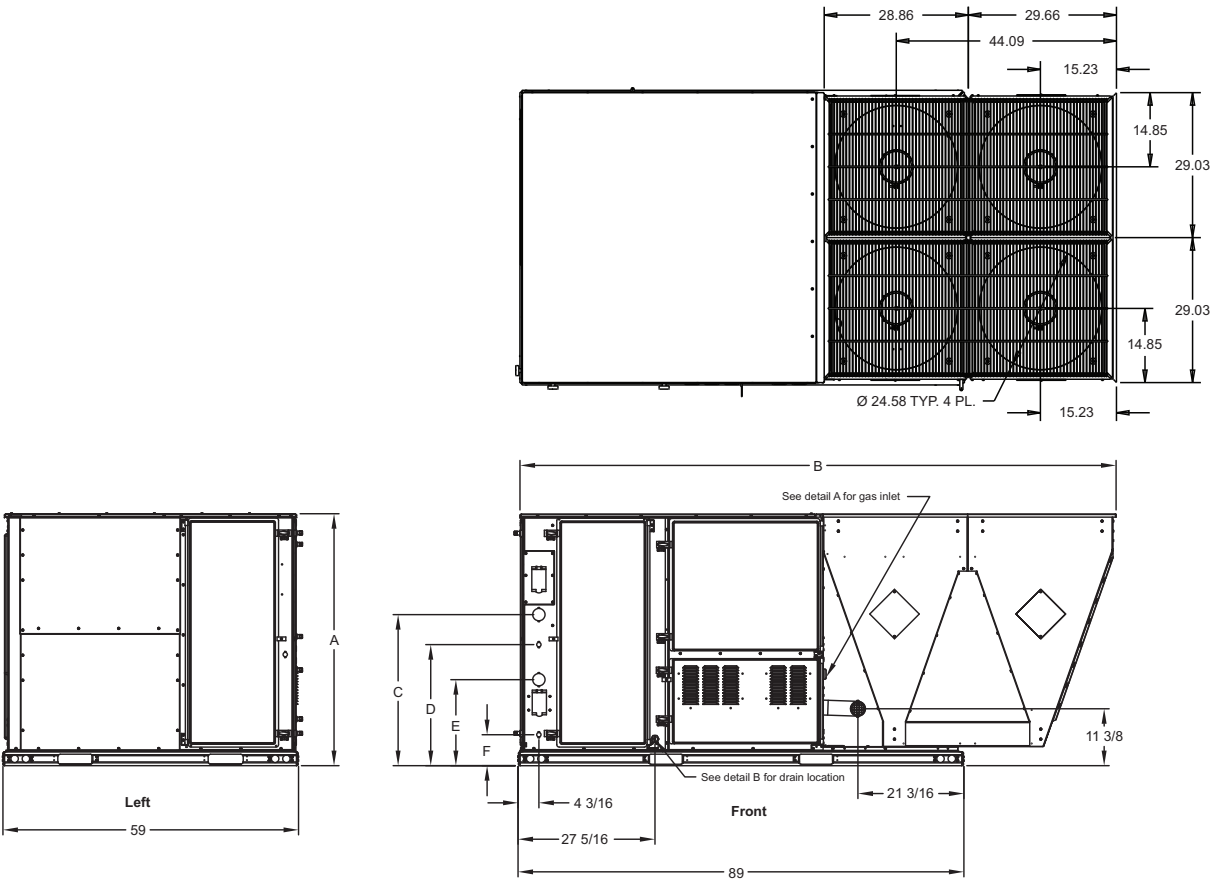


**3 ton, 4 ton, and 5 ton ZT, 5 ton ZJ, and 6.5 through 10 ton ZJ/ZB**

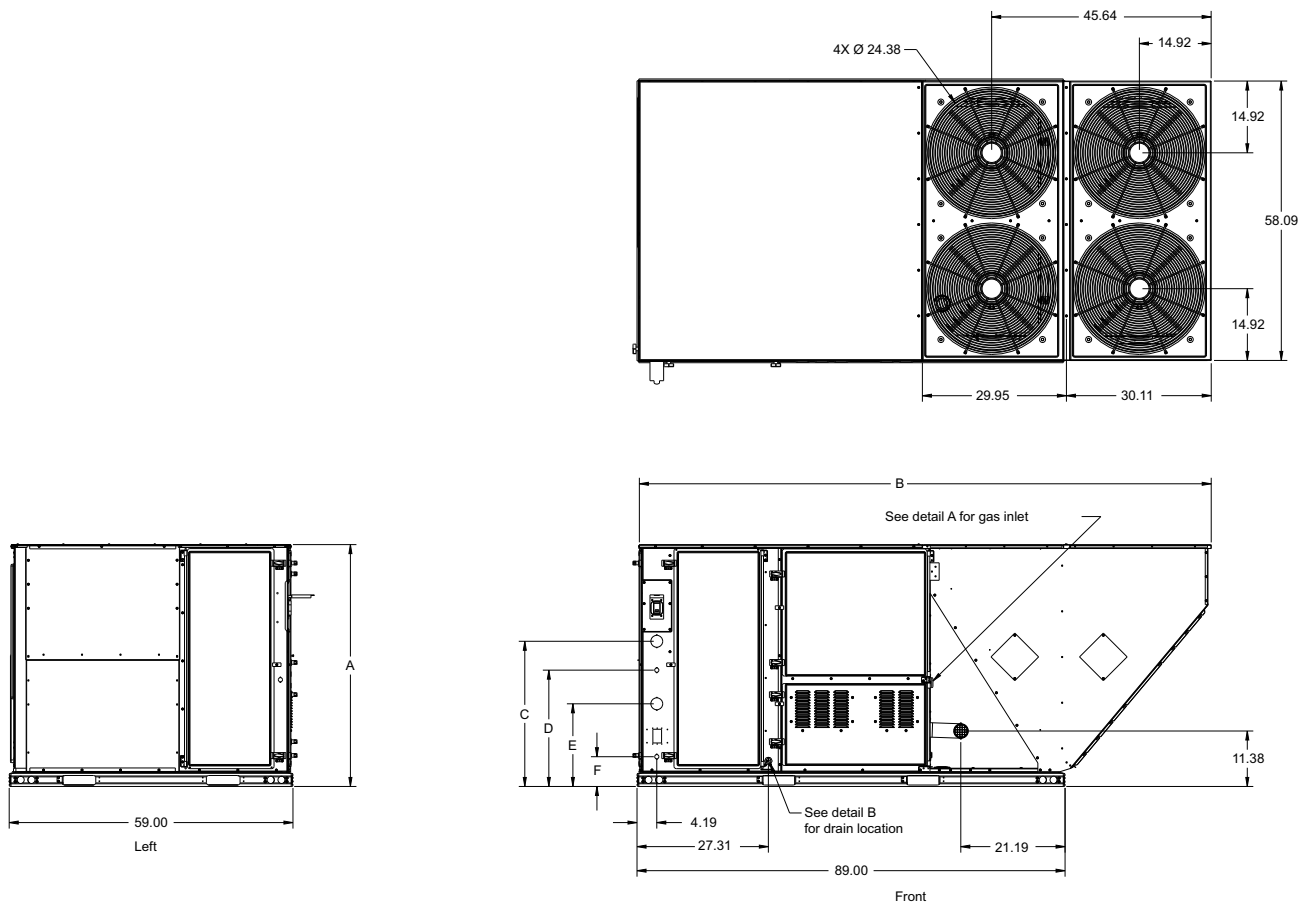
**See the physical dimensions table for the exact models.**



10 ton through 12.5 ton ZT and 12.5 ton ZJ, ZB

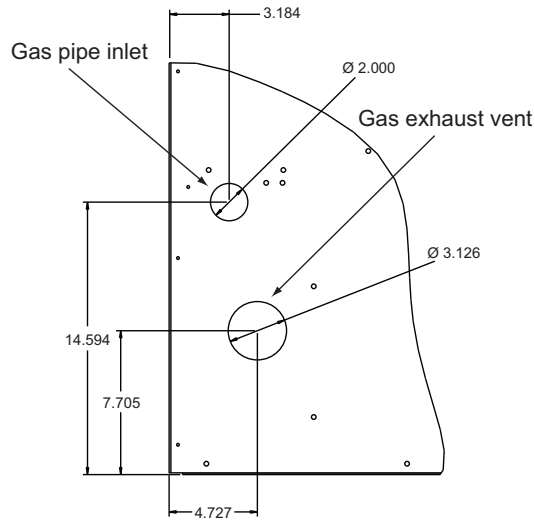
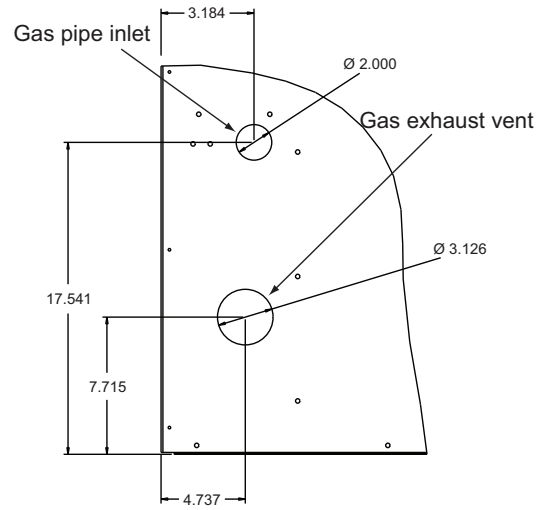
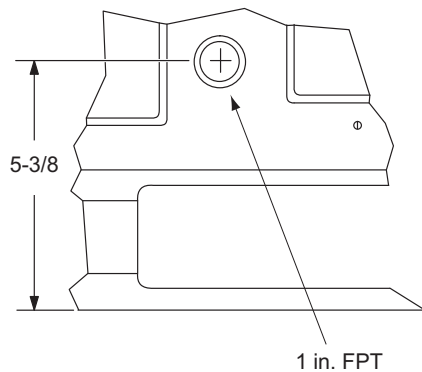


## 6.5 ton through 8.5 ton ZT



**3 ton to 12.5 ton unit physical dimensions**

| Unit model number    | Dimension (in.) |         |         |         |         |        |
|----------------------|-----------------|---------|---------|---------|---------|--------|
|                      | A               | B       | C       | D       | E       | F      |
| ZJ037, 049, 061      | 42              | 89      | 22 1/8  | 18 3/16 | 15 3/16 | 6 3/16 |
| ZJ078, 090, 102, 120 | 50 3/4          | 89      | 30 3/16 | 24 3/16 | 17 3/16 | 6 3/16 |
| ZJ150                | 50 3/4          | 119 1/2 | 30 3/16 | 24 3/16 | 17 3/16 | 6 3/16 |
| ZT037, 049, 061      | 42              | 89      | 22 1/8  | 18 3/16 | 15 3/16 | 6 3/16 |
| ZT078, 090 and 102   | 50 3/4          | 119 1/2 | 30 3/16 | 24 3/16 | 17 3/16 | 6 3/16 |
| ZT120 and 150        | 50 3/4          | 119 1/2 | 30 3/16 | 24 3/16 | 17 3/16 | 6 3/16 |
| ZB078, 090, 102, 120 | 50 3/4          | 89      | 30 3/16 | 24 3/16 | 17 3/16 | 6 3/16 |
| ZB150                | 50 3/4          | 119 1/2 | 30 3/16 | 24 3/16 | 17 3/16 | 6 3/16 |

**Detail A****42 in. cabinet****50 3/4 in. cabinet****Detail B**



**3 ton to 12.5 ton side duct dimensions**

| Unit model number    | Dimension (in.) |         |        |        |
|----------------------|-----------------|---------|--------|--------|
|                      | A               | B       | C      | D      |
| ZJ037, 049, 061      | 27 3/4          | 12 1/16 | 27 1/2 | 16     |
| ZJ078, 090, 102, 120 | 28 1/4          | 18 1/16 | 28 1/4 | 18 1/4 |
| ZJ150                | 28 1/4          | 18 1/16 | 28 1/4 | 18 1/4 |
| ZT037, 049, 061      | 27 3/4          | 12 1/16 | 27 1/2 | 16     |
| ZT078, 090, 102      | 28 1/4          | 18 1/16 | 28 1/4 | 18 1/4 |
| ZT120, 150           | 28 1/4          | 18 1/16 | 28 1/4 | 18 1/4 |
| ZB078, 090, 102, 120 | 28 1/4          | 18 1/16 | 28 1/4 | 18 1/4 |
| ZB150                | 28 1/4          | 18 1/16 | 28 1/4 | 18 1/4 |

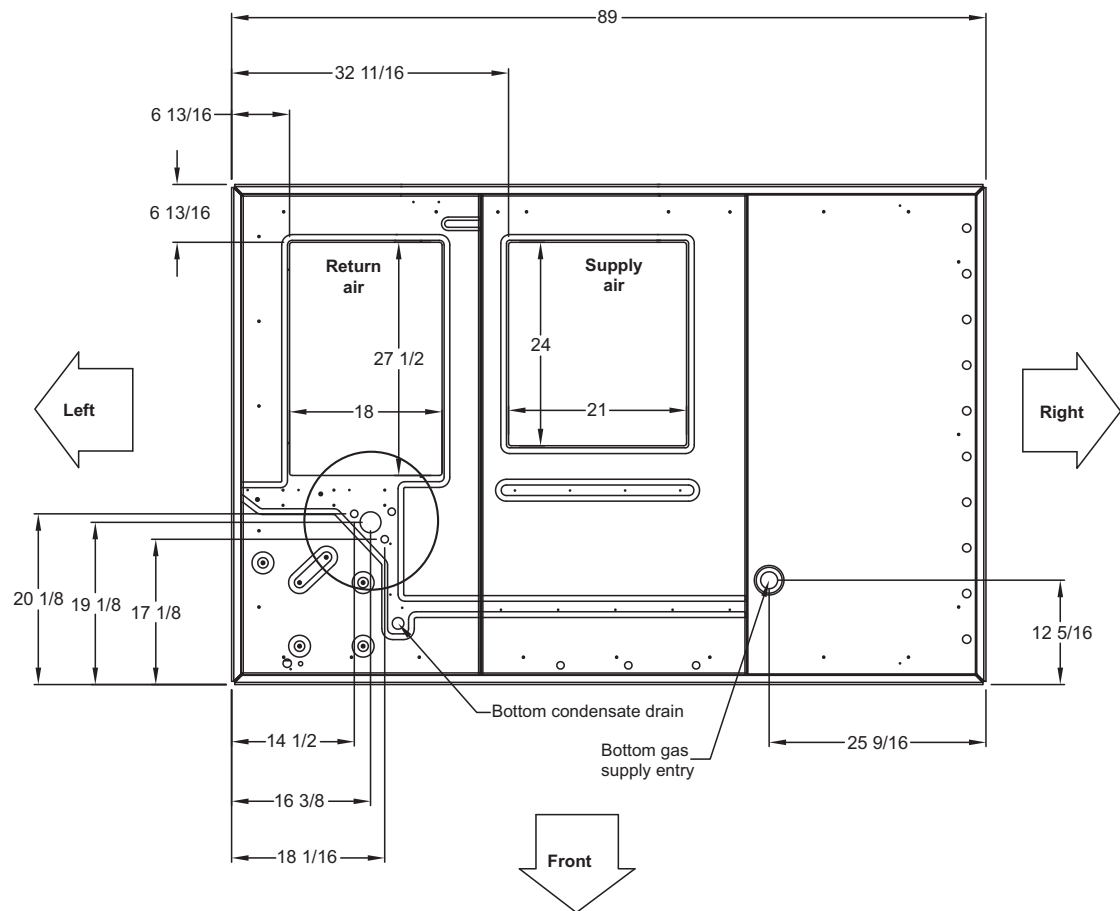
**3 ton to 12.5 ton unit clearances**

| Direction        | Distance (in.) | Direction           | Distance (in.) |
|------------------|----------------|---------------------|----------------|
| Top <sup>1</sup> | 72             | Right               | 12             |
| Front (037-061)  | 36             | Left                | 36             |
| Front (078-150)  | 48             | Bottom <sup>2</sup> | 0              |
| Rear             | 36             |                     |                |

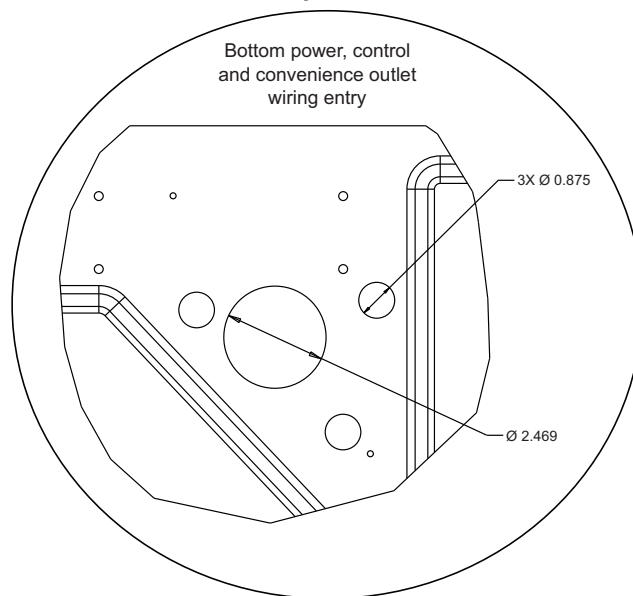
1. Units must be installed outdoors. Over hanging structure or shrubs should not obscure condenser air discharge outlet.
2. Units may be installed on combustible floors made from wood or class A, B or C roof covering materials.



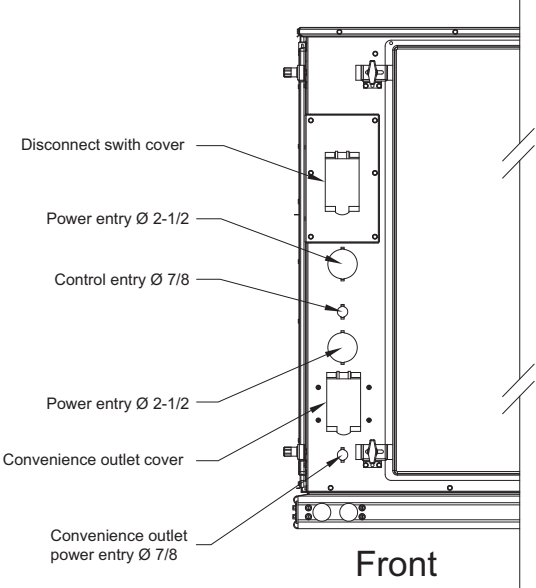
### 3 ton to 12.5 ton unit bottom duct openings (in.)



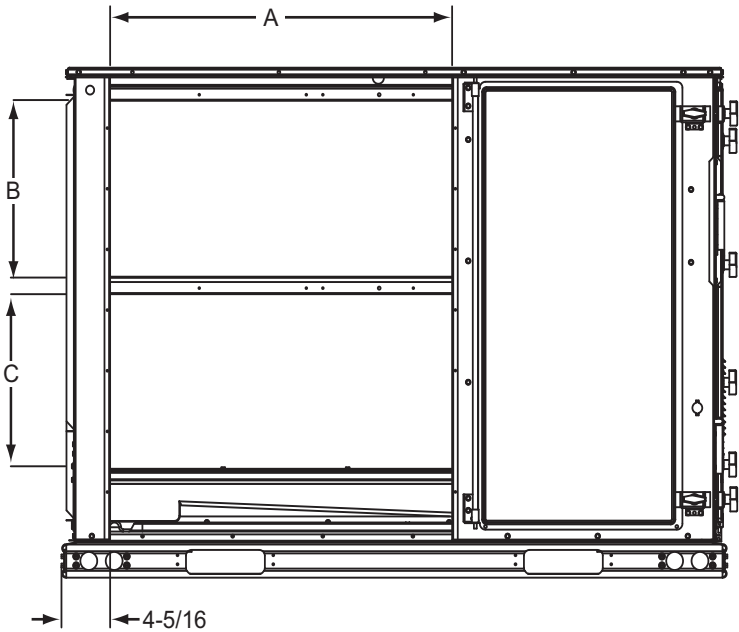
### Top view



3 ton to 12.5 ton unit electrical entry (in.)



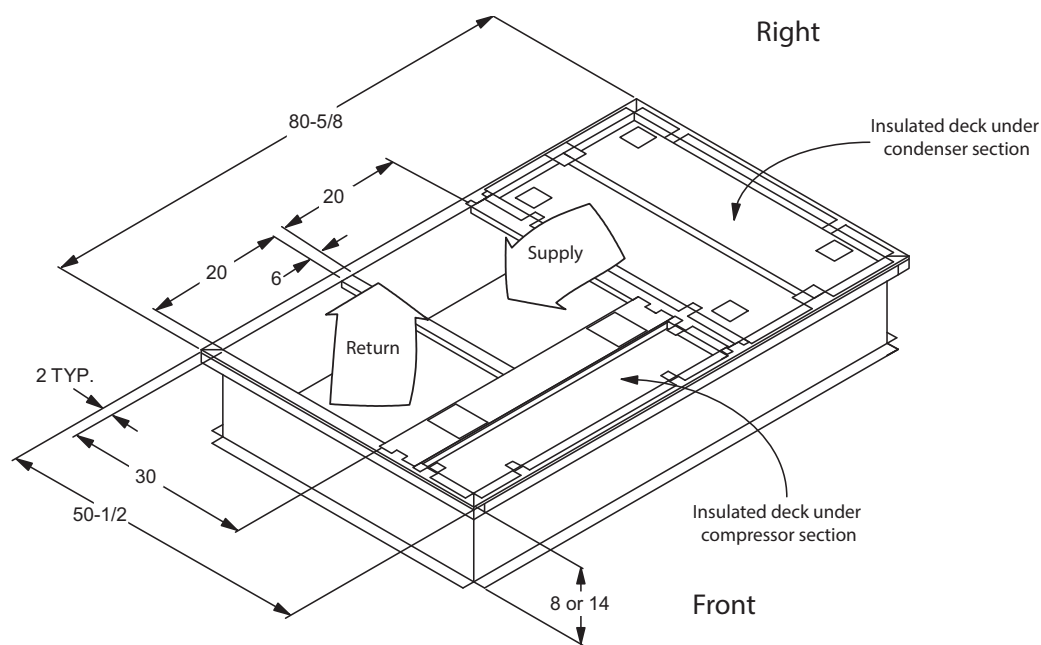
3 ton to 12.5 ton unit left economizer duct opening (in.)



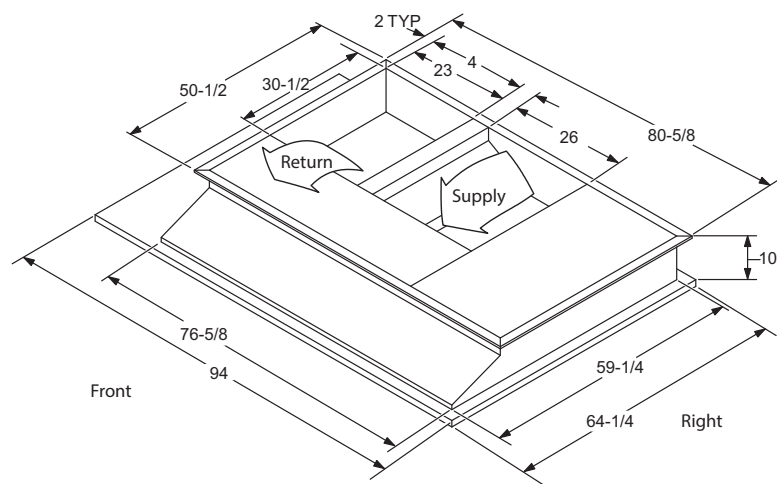
**3.5 ton to 12.5 ton left/end duct dimensions**

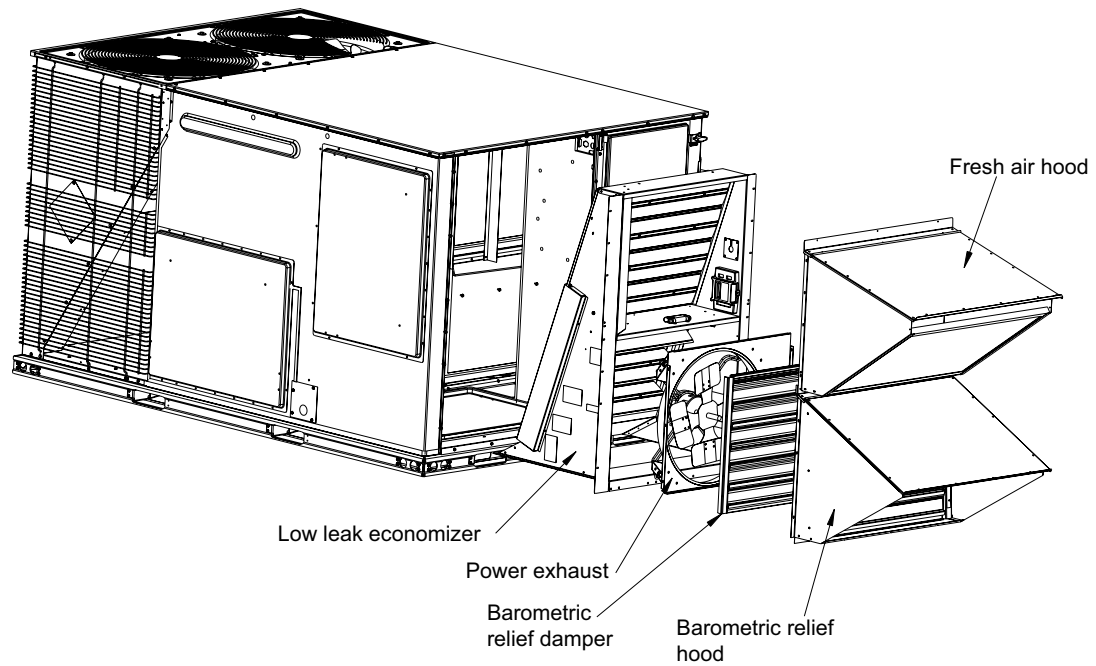
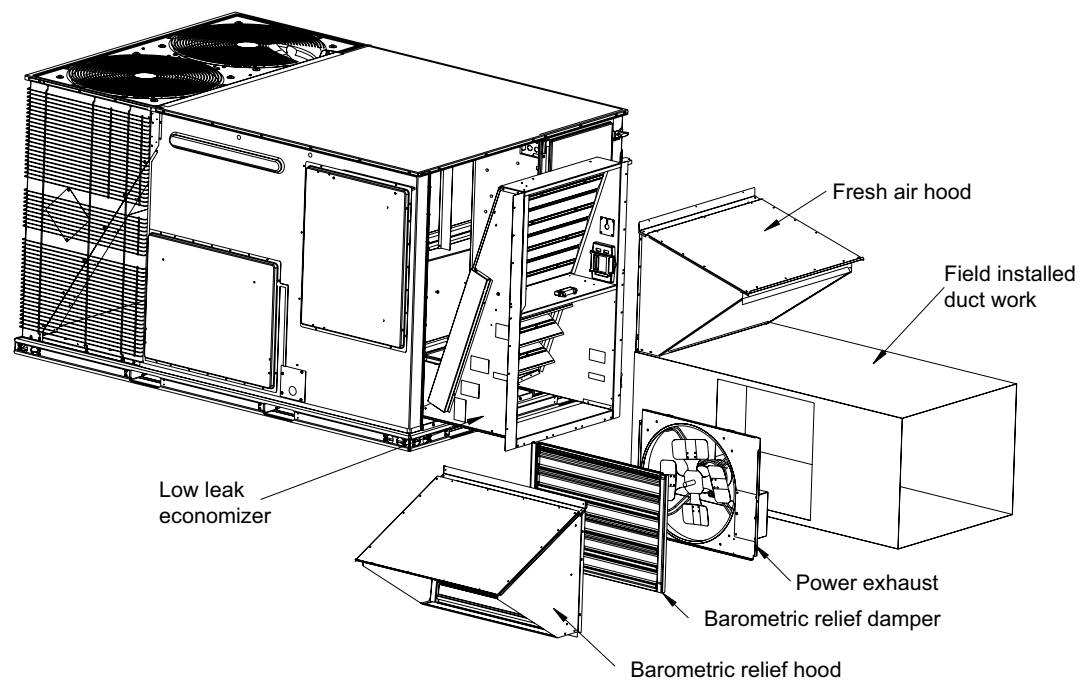
| Unit model number    | Dimension (in.) |        |        |
|----------------------|-----------------|--------|--------|
|                      | A               | B      | C      |
| ZJ037, 049, 061      | 30.357          | 13.365 | 22.516 |
| ZJ078, 090, 102, 120 | 30.358          | 22.580 | 22.330 |
| ZJ150                | 30.358          | 22.580 | 22.330 |
| ZT037, 049, 061      | 30.357          | 13.365 | 22.516 |
| ZT078, 090, 102      | 30.358          | 22.580 | 22.330 |
| ZT120, 150           | 30.358          | 22.580 | 22.330 |
| ZB078, 090, 102, 120 | 30.358          | 22.580 | 22.330 |
| ZB150                | 30.358          | 22.580 | 22.330 |

3 ton to 12.5 ton unit roof curb (in.)

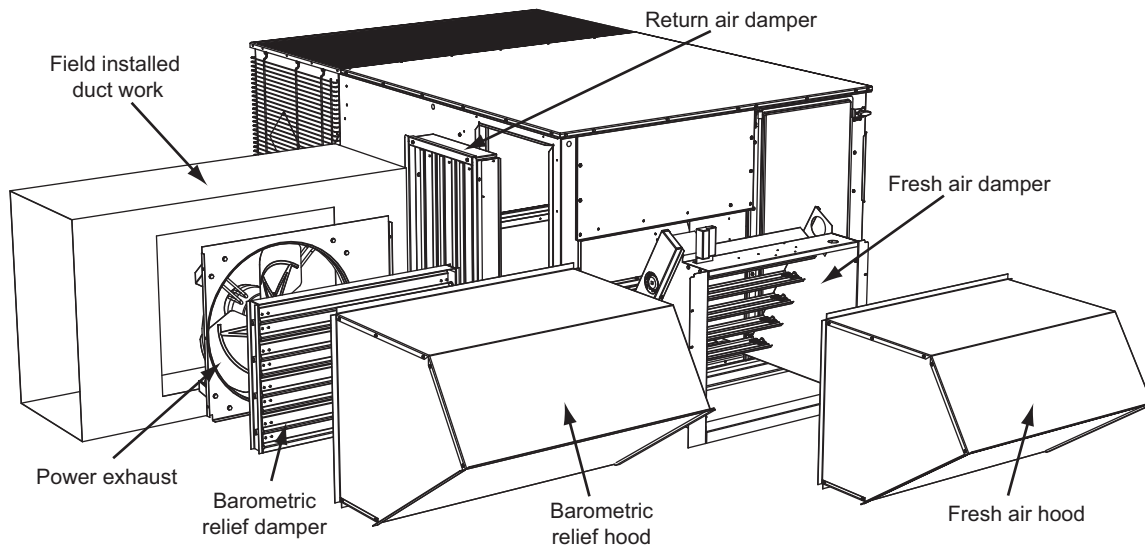


3 ton to 12.5 ton unit transition roof curb (in.)

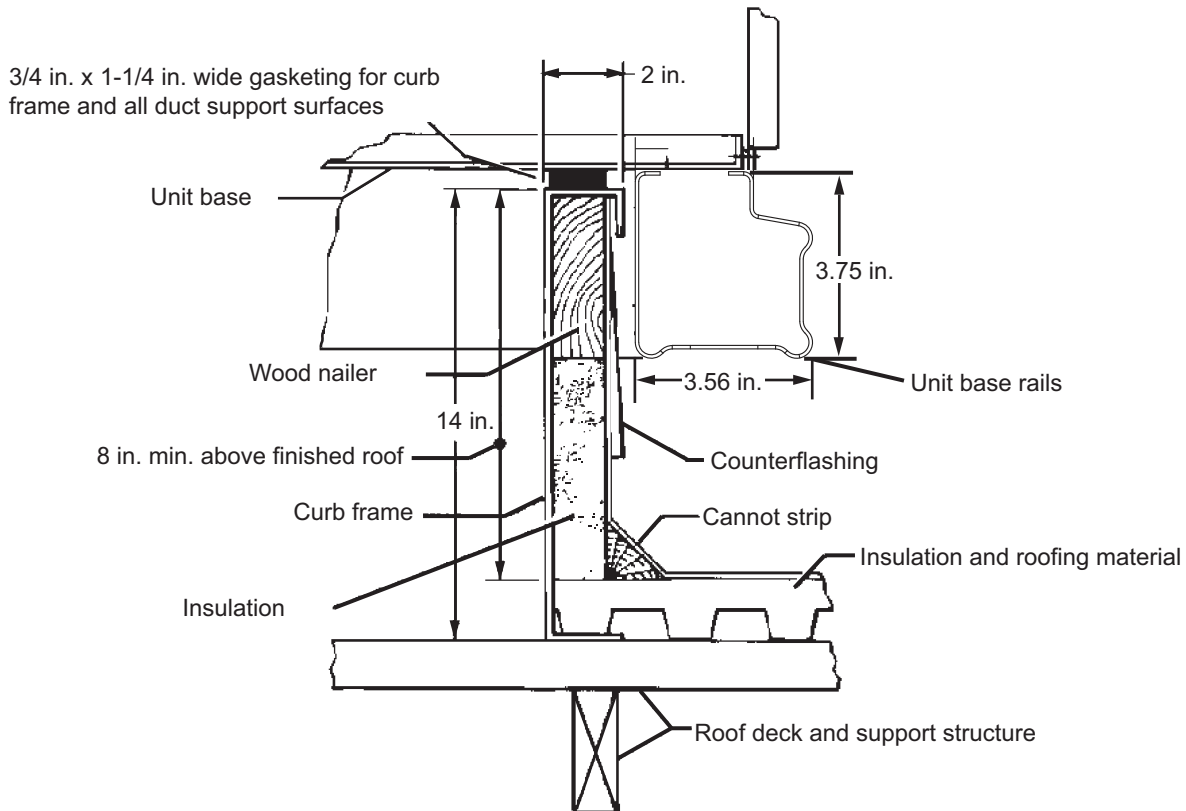


**Economizer downflow w/power exhaust****Economizer end return w/power exhaust**

### Field installed horizontal economizer w/power exhaust



### Roof curb cutaway



**Factory installed options**

|  |                          |
|--|--------------------------|
| Electric heater model ----- kW_____Volts_____                                | <input type="checkbox"/> |
| Stainless steel heat exchanger -----   | <input type="checkbox"/> |
| Aluminized steel heat exchanger -----  | <input type="checkbox"/> |
| Stainless steel drain pan -----  | <input type="checkbox"/> |
| Economizer, downflow, end return horizontal -----                            | <input type="checkbox"/> |
| Power exhaust -----  | <input type="checkbox"/> |
| Motorized air damper -----   | <input type="checkbox"/> |
| High static indoor blower motor -----  | <input type="checkbox"/> |
| Disconnect switch-----   | <input type="checkbox"/> |
| Convenience outlet, powered -----  | <input type="checkbox"/> |
| Convenience outlet, non-powered -----  | <input type="checkbox"/> |
| Smoke detector (return) -----  | <input type="checkbox"/> |
| Smoke detector (supply) -----  | <input type="checkbox"/> |
| Phase monitor <sup>1</sup> -----   | <input type="checkbox"/> |
| Coil guard -----   | <input type="checkbox"/> |
| Dirty filter switch-----   | <input type="checkbox"/> |
| Filters, 2 in. pleated, MERV 7 -----   | <input type="checkbox"/> |
| Filters, 4 in. pleated, MERV 13 -----  | <input type="checkbox"/> |
| Phenolic coated evaporator coils -----                                       | <input type="checkbox"/> |
| Phenolic coated condenser coils -----  | <input type="checkbox"/> |
| E-coat evaporator coils -----  | <input type="checkbox"/> |
| E-coat condenser coils -----   | <input type="checkbox"/> |
| IntelliSpeed, with VFD -----   | <input type="checkbox"/> |
| IntelliSpeed, VFD and manual bypass -----                                    | <input type="checkbox"/> |
| IntelliSpeed, VFD ready (for customer-provided, field-installed drive) ----- | <input type="checkbox"/> |
| VAV w/VFD -----  | <input type="checkbox"/> |
| VAV w/VFD and manual bypass -----  | <input type="checkbox"/> |
| VAV, VFD ready (for customer-provided, field-installed drive)- -----         | <input type="checkbox"/> |
| BAS option   |                          |
| Smart Equipment™ w/communication -----                                       | <input type="checkbox"/> |
| BACnet MS/TP (programmable to Modbus or N2 protocols) -----                  | <input type="checkbox"/> |
| Verasys -----  | <input type="checkbox"/> |
| Honeywell™ -----   | <input type="checkbox"/> |
| Novar® -----   | <input type="checkbox"/> |
| CPC -----  | <input type="checkbox"/> |

**Field installed accessories**

|  |                          |
|--|--------------------------|
| Roof curb, 8 in.-----  | <input type="checkbox"/> |
| Roof curb, 14 in.-----   | <input type="checkbox"/> |
| Transition roof curb-----  | <input type="checkbox"/> |
| Coil guard -----   | <input type="checkbox"/> |
| Hail guard -----   | <input type="checkbox"/> |
| Permanent filters -----  | <input type="checkbox"/> |
| Metal filter frame kit -----   | <input type="checkbox"/> |
| Dirty filter switch-----   | <input type="checkbox"/> |
| Air proving switch -----   | <input type="checkbox"/> |
| Burglar bars (downflow only) -----                                   | <input type="checkbox"/> |
| Low ambient kit -----  | <input type="checkbox"/> |
| Smoke detector (return) -----  | <input type="checkbox"/> |
| Smoke detector (supply) -----  | <input type="checkbox"/> |
| CO2 sensor -----   | <input type="checkbox"/> |
| Phase monitor <sup>1</sup> -----                                     | <input type="checkbox"/> |
| Economizer, downflow, end return horizontal -----                    | <input type="checkbox"/> |
| Economizer, horizontal -----   | <input type="checkbox"/> |
| Single enthalpy -----  | <input type="checkbox"/> |
| Dual enthalpy-----   | <input type="checkbox"/> |
| Power exhaust -----  | <input type="checkbox"/> |
| Motorized outdoor air damper -----                                   | <input type="checkbox"/> |
| Manual outdoor air damper -----                                      | <input type="checkbox"/> |
| Electric heater model ----- kW_____Volts_____                        | <input type="checkbox"/> |
| Flue extension kit -----   | <input type="checkbox"/> |
| Gas piping kit -----   | <input type="checkbox"/> |
| Gas heat propane adapter kit -----                                   | <input type="checkbox"/> |
| Gas heat high altitude kit, natural gas-----                         | <input type="checkbox"/> |
| Gas heat high altitude kit, propane-----                             | <input type="checkbox"/> |
| -60°F gas heat kit -----   | <input type="checkbox"/> |
| Wall mount temperature sensor -----                                  | <input type="checkbox"/> |
| Wall mount temperature sensor with override-----                     | <input type="checkbox"/> |
| Wall mount temperature sensor with override and set point adj. ----- | <input type="checkbox"/> |
| Humidity sensor -----  | <input type="checkbox"/> |

1. Phase monitor standard on units with scroll compressors.