

DISCHARGE PLENUM INSTALLATION FOR GAS-FIRED INDOOR HEATER

OPTION CD60, CD61, OR CD62 FOR MODEL CAUA UNIT SIZE 350 OR 400

NOTE: Installation should be done by a qualified agency in accordance with these instructions and in compliance with all codes and requirements of authorities having jurisdiction.

GENERAL INFORMATION

- **Option CD60 and CD61:** This discharge plenum is shipped separately for mounting on the top of a model CAUA 350 or 400 heater without a cooling coil. The discharge plenum is solid on the top and screened on all four sides for horizontal discharge. Option CD60 is designed for use in an area where air can be discharged from all four sides of the plenum. Option CD61 includes blockoff plates so that the installer can restrict the airflow to only two or three sides.
- **Option CD62:** This discharge plenum must be ordered with a model ACUC or an option C120, C150, or C180 cooling coil. The discharge plenum is factory-installed on the top of the cased cooling coil. The plenum has a solid top and screened sides for horizontal discharge. To adapt to the location and provide for the higher velocity required by a cooling application, six blockoff plates are shipped with the plenum for field-installation.
- All optional discharge plenums are designed to be used with a screened mounting base (option AVA2) to create a packaged stand-alone upflow system that circulates building air. However, the discharge plenum may also be used in place of ductwork in applications that do not have an optional mounting base.
- Refer to the installation manual provided with the heater for important safety information and for instructions to install the heater.

Components

Table 1. Discharge Plenum Option Package Components

Component	Description	Option		
		CD60	CD61	CD62
		PN (Quantity)		
Discharge plenum	Screened, factory-assembled	176351 (1)	176364 (1)	176365 (1)*
Blockoff plate	22-1/2 × 9-7/8 inches (571 × 251 mm), covers front or rear openings	—	—	176369 (4)
	22-1/2 × 19-13/16 inches (571 × 503 mm), covers front or rear openings		176367 (2)	—
	28 × 9-7/8 inches (711 × 251 mm), covers side opening		—	176368 (2)
	28 × 19-13/16 inches (711 × 503 mm), covers side opening		176366 (1)	—

*With a factory-installed cased cooling coil ordered separately and specified for use with either R22 or R-410A refrigerant.

Dimensions

NOTE: When Option CD62 and a cased cooling coil are ordered, the height of 52-15/16 inches (1,345 mm) includes both the cooling coil and the discharge plenum. The same height dimension applies to discharge plenum options CD60 and CD61 without the cooling coil.

GENERAL INFORMATION—CONTINUED

Dimensions—Continued

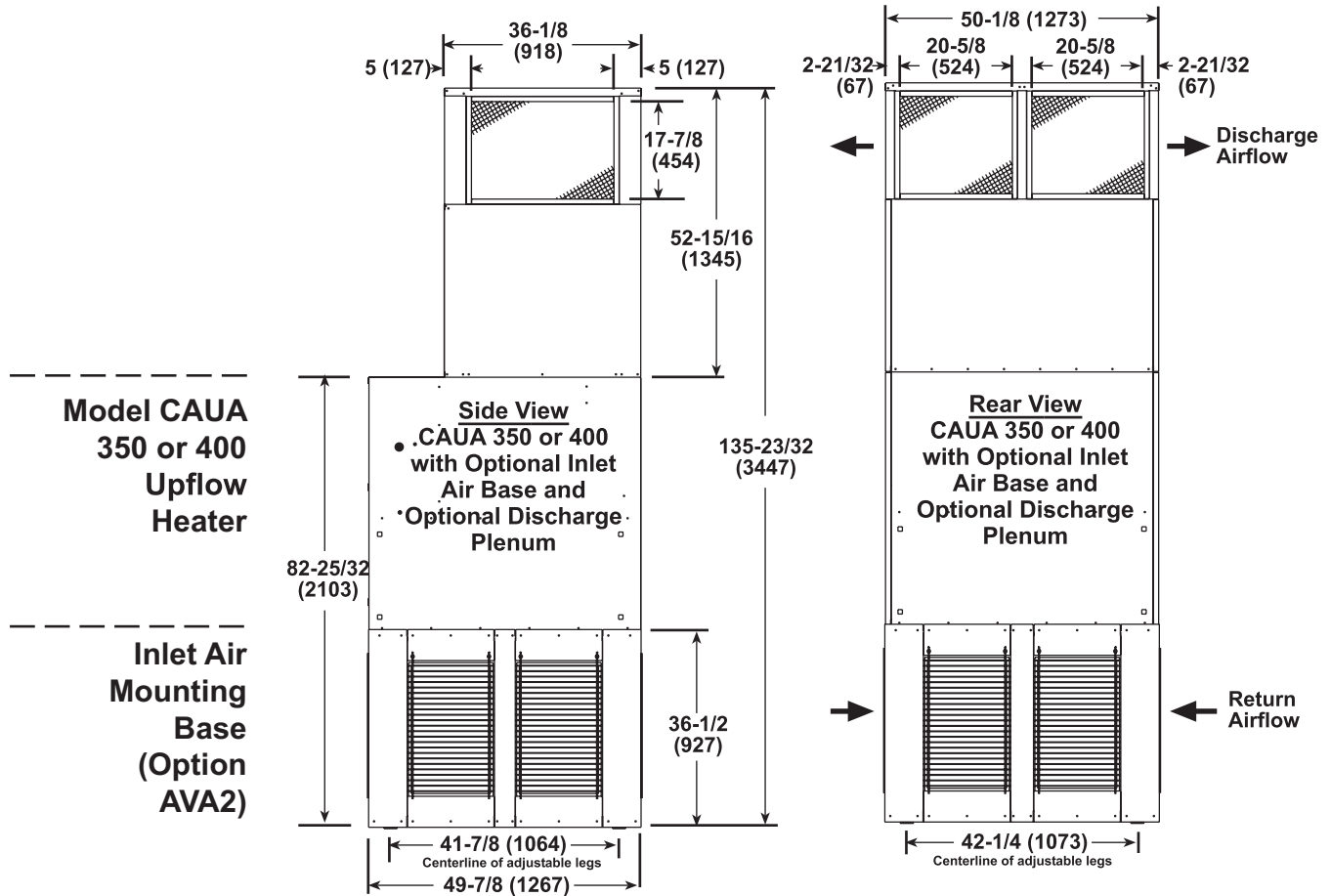


Figure 1. Model CAUA Dimensions with Discharge Plenum and Option AVA2 Inlet Air Mounting Base

INSTALLATION

NOTES:

- The heater must be level and should be in its final installed location before installing the discharge plenum.
- It is recommended that the discharge plenum be placed in position prior to installing the vent.
- Because of the cabinet design, no mechanical attachment is required between the discharge plenum and the heater section.

- **Option CD60 with open sides:** Lift the discharge plenum and place it on top of the heater. Installation of option CD60 is complete.
- **Option CD61:** Discharge can be from either two or three sides. Use blockoff plates in any of the following combinations: 1) two blockoff plates on either front or rear, 2) one blockoff plate on either left or right side, or 3) two blockoff plates either front or rear and one blockoff plate on either side. Install the blockoff plates before lifting the discharge plenum into position.
 - a. Decide the locations for the blockoff plates being used. Remove the screen retainers on the selected sides. Place the blockoff plates over the screen and re-attach the retainers.
 - b. Lift the discharge plenum and place it on top of the heater. Installation of Option CD61 is complete. Follow the instructions in the heater installation manual (Form I-CAUA) to complete the installation.
- **Option CD62:** The discharge plenum is installed on the top of the cased cooling coil at the factory.
 - a. Option CD62 includes six blockoff plates. Install the blockoff plates before lifting the assembled cased coil/discharge plenum into position.
 - b. To provide the high velocity required for cooling application, use all six blockoff plates. Each blockoff plate horizontally covers half of the screened opening. Either use the plates to block off half of the openings the whole way around or use the plates to block off an entire front, rear, and/or side, depending on the location of the system.
 - c. To install, remove the screen retainers, place the blockoff plate over the screen, and re-install the retainers.

NOTE: Refer to cased cooling coil installation instructions available at www.reznorhvac.com to lift the assembly into position. Refer to the installation manual provided with the heater to complete the installation.

