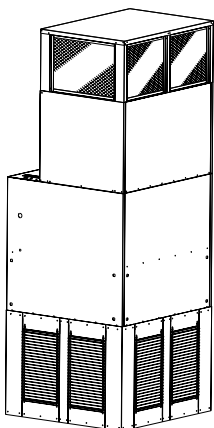


# Installation

Applies to: **Discharge Plenum, Options CD60, CD61, CD62 for Model CAUA 350 and 400**

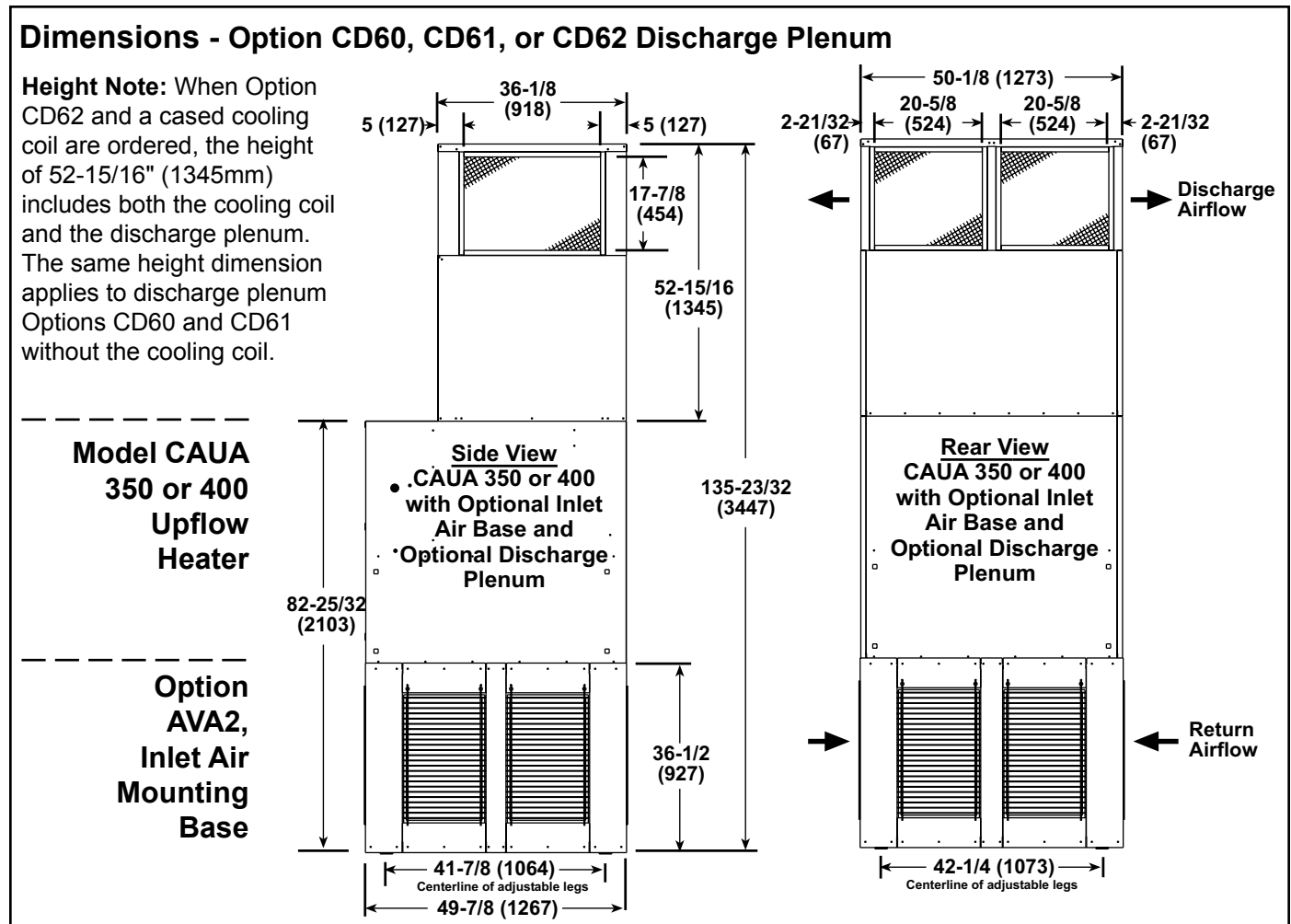
## Description/ Application



**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 Option C120, C150, or C180 cooling coil. The discharge plenum is attached to the top of the cased cooling coil at the factory. The plenum has a solid top and screened sides for horizontal discharge. Six blockoff plates are shipped with the plenum for field installation to adapt to the location and provide for the higher velocity required for a cooling application.

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.



## Components

Option	Pkg P/N	Description
CD60	176351	Factory-assembled Screened Discharge Plenum
CD61	176364	Factory-assembled Screened Discharge Plenum
		<i>Plus:</i>
		Qty   P/N   Description
		1   176366   Blockoff Plate, 28"x19-13/16" (711mm x 503mm), to cover a <b>side opening</b>
2   176367   Blockoff Plate, 22-1/2"x19-13/16" (571mm x 503mm), to cover <b>front or rear openings</b>		
CD62	176365	Factory-assembled Screened Discharge Plenum with a factory-installed Cased Cooling Coil (ordered separately and specified for use with either R22 or R-410A refrigerant)
		<i>Plus:</i>
		Qty   P/N   Description
		2   176368   Blockoff Plate, 28"x9-7/8" (711mm x 251mm) to cover a side opening
4   176369   Blockoff Plate, 22-1/2"x9-7/8" (571mm x 251mm) to cover front or rear openings		

## Installation Instructions

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

The heater should be in its final installed location and should be level before adding the discharge plenum. (**NOTE:** 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.

**If installing an Option CD60 with open sides**, lift the discharge plenum and place it on top of the heater. Installation of Option CD60 is complete. Follow the instructions in the heater installation manual (Form I-CAUA) to complete the installation.

**If installing an Option CD61**, install the blockoff plates before lifting the discharge plenum into position. 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.

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.

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.

**If installing an Option CD62**, it is attached to the top of the cased cooling coil at the factory. Option CD62 includes six blockoff plates; install the blockoff plates before lifting the assembled cased coil/discharge plenum into position.

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 blockoff 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. To install, remove the screen retainers, place the block-off plate over the screen, and re-attach retainers.

Follow the instructions in the cased cooling coil installation manual (Form I-CAUA-CC) to lift the assembly into position. Follow the instructions in both the cased cooling coil installation manual and the heater installation manual (Form I-CAUA) to complete the installation.

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