



## Installation instructions for your new

# RAB-71 Standard or Extended Room Air Conditioner Case

**Before you begin—Read these instructions completely and carefully.**  
**IMPORTANT—OBSERVE ALL GOVERNING CODES AND ORDINANCES.**

**Note to Installer—Be sure to leave these instructions with the Consumer.**

**Note to Consumer—Keep these instructions with your Use and Care Book for future reference.**

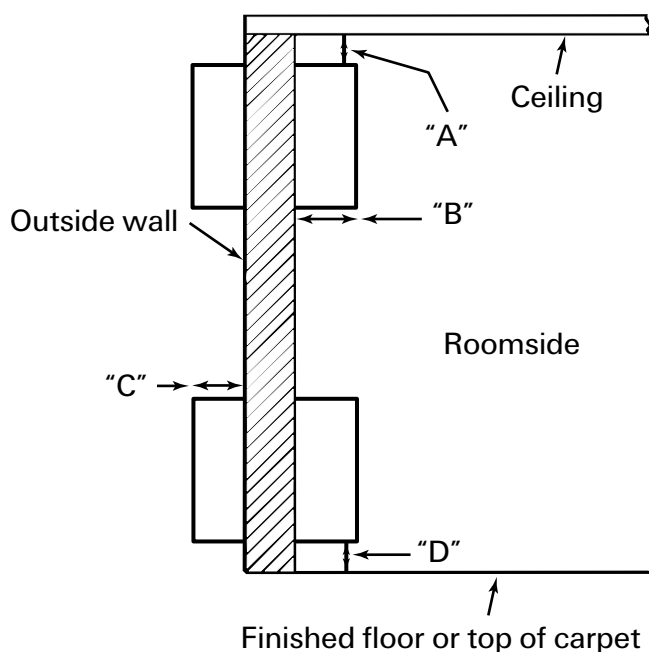
### Note:

- Handle the case carefully.
- The cardboard stiffener inside the case, and the rear protective panel must remain in place until the chassis is installed to assure case rigidity and squareness.
- If a sub-base is to be used, it may be desirable to assemble it to the case before securing the case in the wall.

### Case location

As a general rule the air conditioner should be located in an outside wall to assure proper distribution of conditioned air. It should be located in a portion of the wall where there is no electrical wiring or plumbing, and where there are no obstructions immediately inside or outside.

### Critical Dimensions

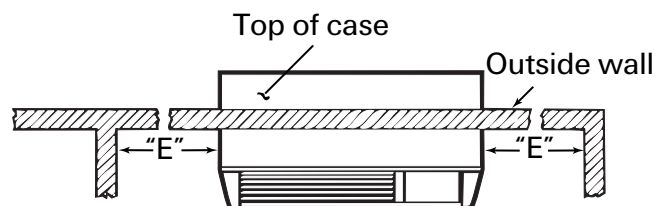


### Note:

Care should be taken in location of electrical supply entry in relationship to wall sleeve to assure access to power once the unit is installed.

Dimensions	Recommended Installation Clearance
A	Top of case to finished ceiling – 3" min.
B	Projection of case into room – 0" min. (no sub-base) 2 $\frac{3}{8}$ " min. when sub-base is used. If more than 6" of the case projects into the room, a sub-base or other support is recommended.
C	Projection of case to outside – 1/4" min.
D	Height above finished floor or top of carpet – 0" min. without sub-base 3" min. with sub-base
E	Left/Right side of case to adjacent wall – 2" min.

INSTALL CASE LEVEL IN ALL DIRECTIONS

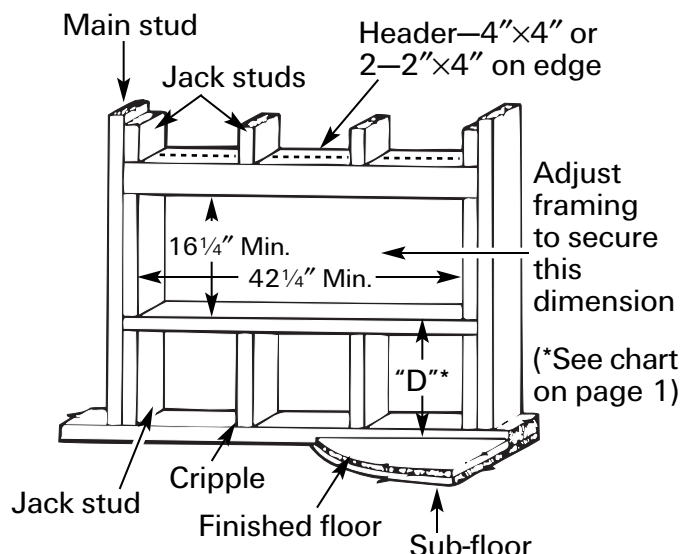


## STEP 1 Preparation of the wall

The wall case should be installed during construction and lintels should be used to support the block above the wall case. The case will not support the concrete block or brick. The case is modular in height and width:

- Height — Fits 2 courses concrete block  
 — Fits 6 courses standard brick  
 — Fits 5 courses jumbo brick
- Width — Fits approximately 3 stud spaces.

For existing construction, wall openings must be made. Wall openings of the proper dimensions are essential to avoid the necessity of fillers or additional framing.



### Note:

Use lintel to support brick, block, etc. above the air conditioner case. (If directly under a window sill the use of a lintel may not be necessary.)

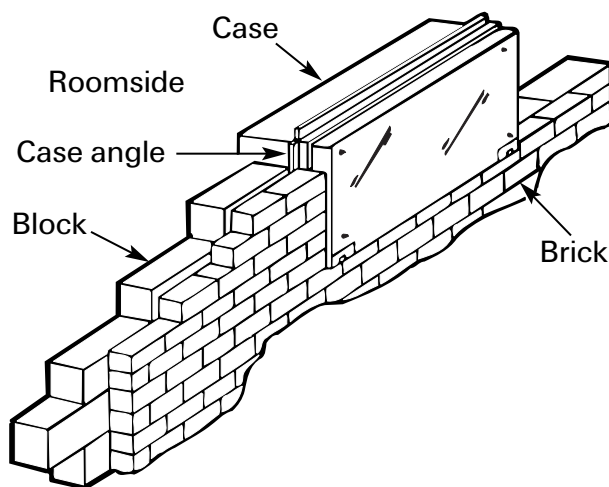
MINIMUM FINISHED OPENING DIMENSIONS		CASE DIMENSIONS						
Height	Width	Height	Width	Depth				
16¼"	42½"	16"	42"	13¾"	16"	24"	28"	31"
16¼"	42¼"							

## STEP 2 Preparation of the case

Do not remove the cardboard stiffener inside the case until the chassis is installed.

If field supplied case angles are to be used and must be installed, proceed as follows:

1. Position the case angles around top and sides of the case at the desired location (front to rear) with angles facing toward rear (outside). Position the case angles vertically on each side of the case to provide a level installation.
2. Mark the case through the holes in the case angles.
3. Drill 5/32" diameter holes at marked locations on the case and assemble the angles using only 10×1/2" screws. **Install the screws from the outside of the case.**
4. Do not drill any holes in bottom of the case.



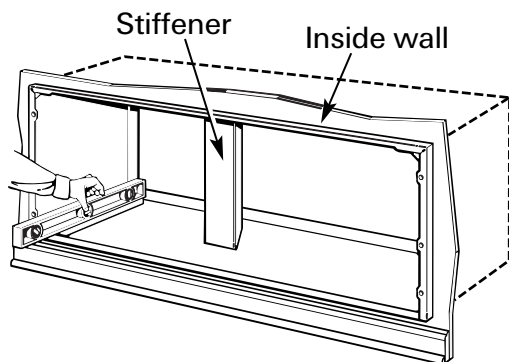
### STEP 3

#### Installation of the case in the wall opening

1. Position the case into the wall. Refer to chart on page 1 for roomside projection. The rear (outside) edge of the case should extend at least 1/4" beyond the outside wall to be able to caulk properly and prevent sealing the drain holes in the rear flange of the case, and to facilitate easy installation of an accessory drain, if desired. (If it is desired to have the rear grille flush on the outside, a drip rail must be installed under the case, and caulking applied between the drip rail and case.)

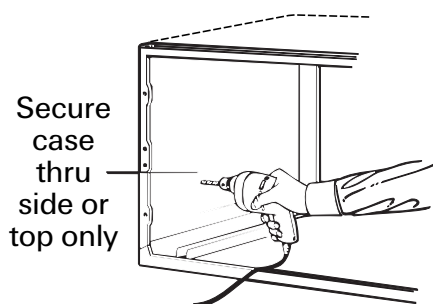
#### Important:

Install case level from left to right and level from roomside to the outside.



2. Firmly secure the case to wall structure. Do not drill any holes in the bottom of the case.
3. Caulk the entire opening on the outside between the case and the building exterior.
4. Caulk the entire opening on the inside between the case and the building interior.

Use lintel, when required, to support brick and block above the case.



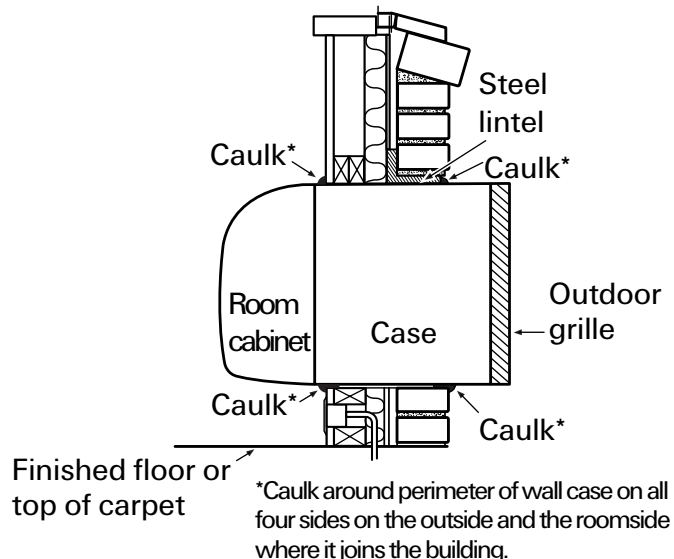
#### Note:

Do not drill any holes in the case for electrical connections. See the Owner's Manual for how to connect the electrical supply.

### STEP 4

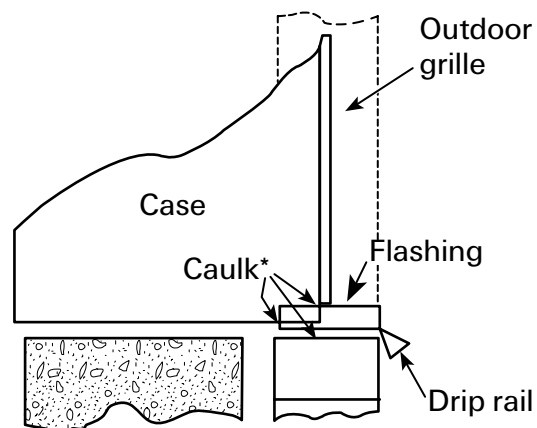
#### Weather proofing

Weather proof gaps between the exterior and interior walls and the case with caulking or equivalent weather proofing material.



#### For installation in extra thick walls

1. If the case is being installed in a thick wall where the case is recessed more than 3", an extended wall case will be required with depths as called out in the table in Step 1.
2. If the case is being installed in a wall where the recess is 3" or less, and an extended wall case is not used, flashing must be installed under the case and extend up 2" on each side. The flashing must include a drip rail as illustrated in the figure below.

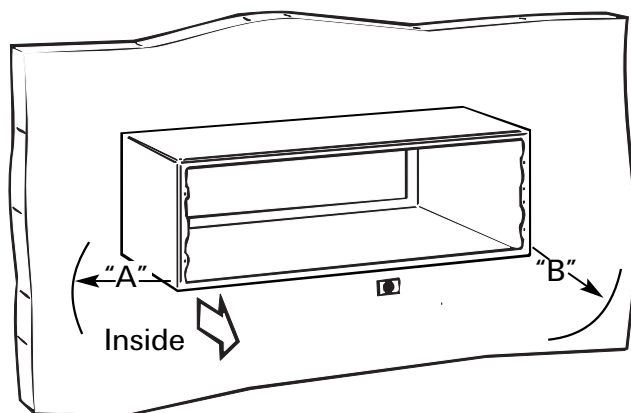


\*Caulk around perimeter of wall case on all four sides where it joins the building.

3. For further details, refer to the "GE Architects and Engineers Design Data Manual" for Zonelines. To obtain a copy of that manual, call the GE Answer Center® at 800.626.2000.

## ELECTRICAL REQUIREMENTS (230/208V)

Provisions should be made to have the proper electrical outlet near the case. All wiring should be made in accordance with local codes and regulations. The line cord included with the chassis (if used) will extend to a wall receptacle located within the area shown in tabulation below.



Model	"A"	"B"
AZ Series	21"	58"

### Wall Receptacles

230V/208V 15 amp	230V/208V 20 amp	230V 30 amp
"tandem" type	"perpendicular" type	"tandem" type

All wiring should be made in accordance with local electrical codes and regulations.

See the Owner's Manual for how to connect electrical supply.

#### Note:

Aluminum wiring in structure may pose special problems—consult a qualified electrician.

## ELECTRICAL REQUIREMENTS (265V)

#### Warning:

Connection of a 265V product to a branch circuit **MUST** be done by direct connection to be in compliance with the National Electric Code. Plugging a 265V unit directly into a building mounted exposed receptacle is not permitted by code.

See the Owner's Manual for how to connect electrical supply.

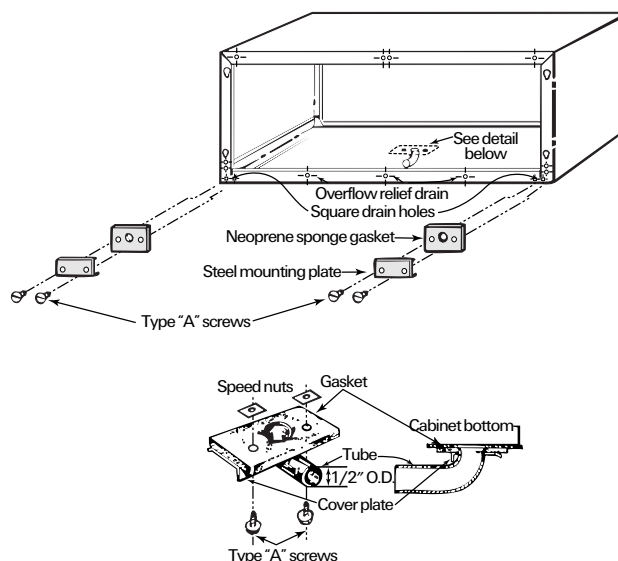
## DRAIN KIT

If it is necessary to install a drain kit on this wall case, the following kit is available:

### RAD10 Internal/External Drain

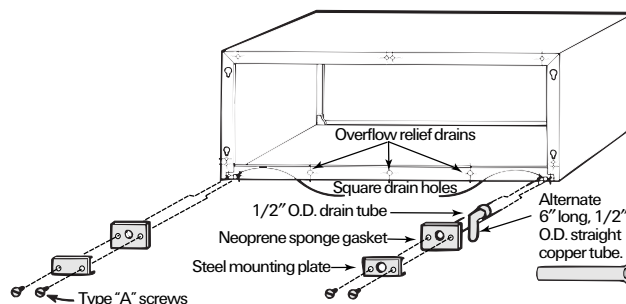
1. With an "Internal Drain", the condensate drain tube must be connected to an internal drain system in the building.

#### WALL CASE WITH RAD10 DRAIN UNIT INTERNAL DRAIN



2. With an "External Drain" (which may be connected to a field supplied drain line) condensate water can be drained away from the unit and building.

#### WALL CASE WITH RAD10 DRAIN UNIT EXTERNAL DRAIN



#### Note:

It may be desirable or necessary to install the drain kit on the case prior to installing the case into the wall.

SCREW
Type "A"
METAL