

Thru-wall Installation Instructions

Kit RS100 for Amana® brand Compact Room Air Conditioner

Introduction

This instruction sheet provides guidelines for installing a compact air conditioner through an outside wall.

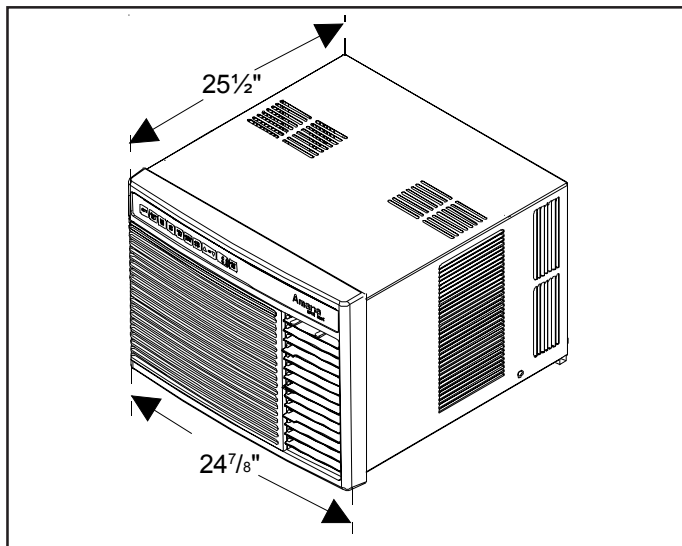


CAUTION

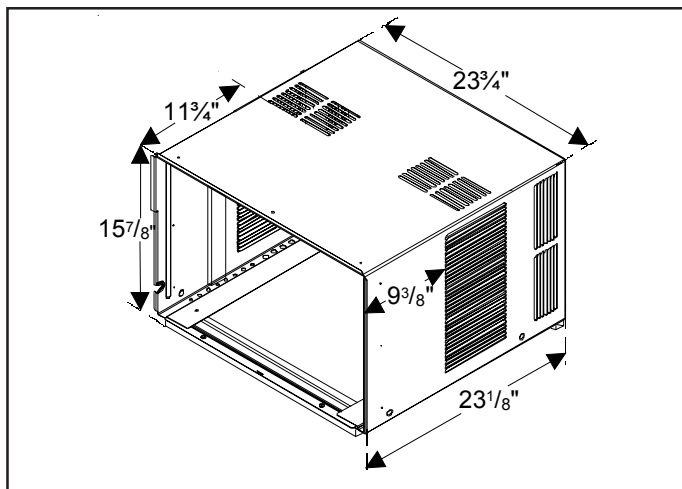
Installing an air conditioner through a wall requires extensive carpentry and/or masonry experience. Thru-wall installations performed by inexperienced or unqualified individuals can result in costly damage to home.

Air Conditioner Dimensions

The following figures show the outside dimensions of air conditioner with chassis installed, and dimensions of outer case with chassis removed.



Air Conditioner Dimensions
(with chassis installed)



Outer Case Dimensions
(chassis removed)

General Instructions

All Amana® brand Compact Room Air Conditioners feature a slide-out chassis. Chassis and front cover must be removed from outer case for installation.

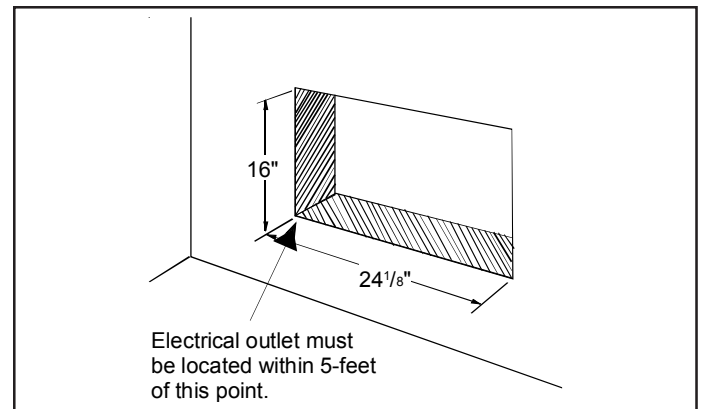


CAUTION

In order to reinstall the chassis and reattach the air conditioner front cover, the installed outer case must be square and level from side to side. Use wood shims between sides of case and finished opening—especially where case is secured to opening—to prevent warping or distorting. Check installed case for distortion using carpenter's square.

A finished opening 24 1/8-inches wide x 16-inches high is recommended. The lower left inside corner of opening must be within 5 feet of an appropriate electrical outlet (see Use and Care manual for electrical requirements.)

When wall thickness exceeds 9 3/8-inches, opening must be modified to allow air to enter side louvers on case (see special instructions on back). Do not install air conditioner in walls thicker than 11 3/4-inches.



Dimensions of Finished Opening

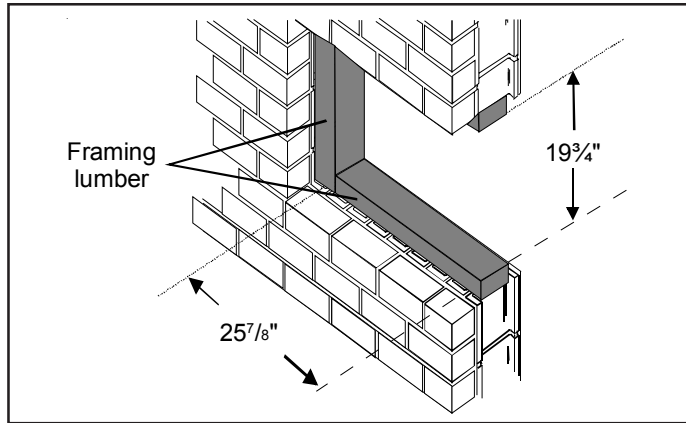
Masonry Construction

See CAUTION under General Instructions. In masonry walls, cut or build a finished opening 16-inches high by 24 1/8-inches wide. When case is properly positioned in opening, secure it in place with mortar or concrete nails driven through holes in sides of outer case (shim case and predrill holes before securing with nails).

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Brick Veneer or Frame Wall Construction.

See **CAUTION** under **General Instructions**. Cut or build rough opening large enough to allow a framed, finished opening 16-inches high and $24\frac{1}{8}$ -inches wide. When case is properly positioned in opening, secure it to framing material with nails or screws driven through holes in sides of outer case (shim case and predrill holes before securing).



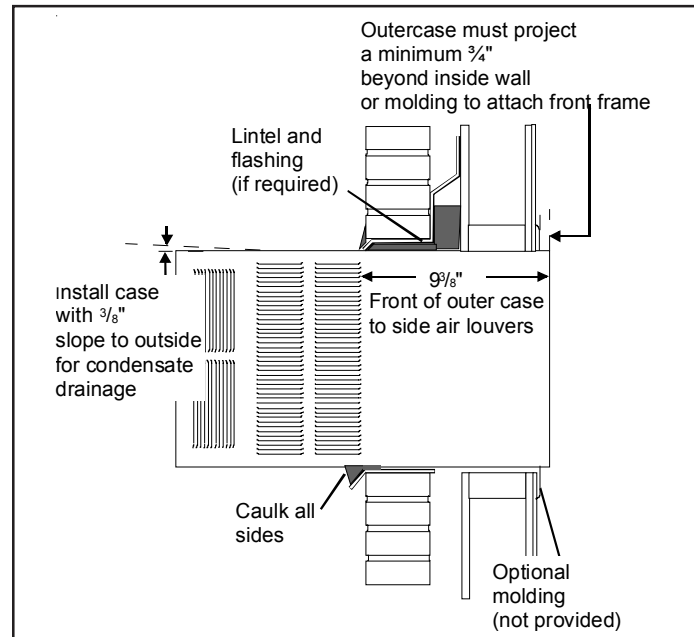
Framed/Finished Opening
(brick veneer or frame wall construction)

Placement of Outer Case in Opening

Place outer case in opening, flush against one side of opening. Use carpenter's level and ensure case is level from side to side and has a $\frac{3}{8}$ -inch slope from front to back (back of case must be $\frac{3}{8}$ -inch lower than front to ensure proper condensate drainage). If needed, use shims to level case (from side to side) and to obtain proper back slope.

Front of case must project $\frac{3}{4}$ -inch (minimum) beyond inside wall in order to attach air conditioner front frame. If framing indoor side of opening with wood molding (or other decorative material), extend outer case $\frac{3}{4}$ -inch beyond molding.

When case is properly positioned in opening, use wood shims to fill any gaps between case and finished opening, especially in area where case will be secured to opening. **Take care not to warp or distort case when installing shims.** For condensate drainage, install drainage cup in drain hole on baseplate of case.

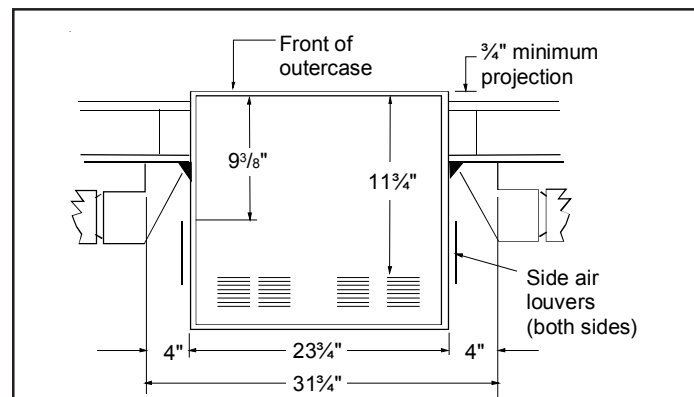


Installed Case
(brick veneer or frame wall construction shown)

Installation in Wall Thicker Than $9\frac{3}{8}$ -inches

The side louvers in outer case provide ventilation to air conditioner compressor and fan motor and must not be blocked. When installing unit in a wall over $9\frac{3}{8}$ -inches thick, provisions must be made in wall opening to ensure free air flow to the side louvers. This can be accomplished by chamfering the vertical portions of the outside opening as shown.

Ventilation louvers on top of case must not be obstructed. Do not attempt to install unit in walls thicker than $11\frac{3}{4}$ -inches.



Chamfering Walls Thicker Than $9\frac{3}{8}$ -inches