

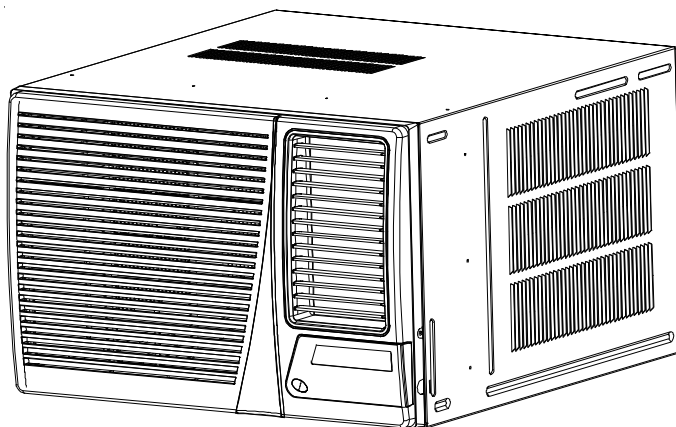
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# Amana®

## Room Air Conditioner & Heat Pump

### Use and Care Manual



## Introduction

Room air conditioners cool, dehumidify, and filter air inside your home. Heat pump and electric heat models offer both heating and cooling. Opening sections of manual provide general information for all room air conditioner models. *Operating Controls* section describes operation of controls for each model. After reading the opening sections, turn to *Operating Controls* section and find the panel layout that matches the model of your unit.

Read entire manual thoroughly before beginning installation and operation of your new room air conditioner. Be sure you have all necessary tools and materials on hand for the job. Study illustrations to familiarize yourself with important details of the installation process. Review manual for operating instructions.

## NOTE

1. Mechanical experience is required to install air conditioner.
2. Installation can take from 1 to 3 hours, depending on installer's knowledge and skill.
3. If you encounter problems during installation, call our consumer information line toll-free at 1-877-376-0214. If your problem cannot be resolved by phone, contact an authorized Amana® brand servicer. Contact and service will be at your expense.

## Safety Information

Be sure electrical service is adequate for chosen model of air conditioner. Complete electrical rating for unit is found on serial plate located behind front grille. Electrical outlet must be close enough to unit for power cord to reach without strain. Air conditioner should be the only appliance on individual circuit.

For personal safety and to avoid possible damage to appliance or home, observe all safety instructions highlighted by symbol shown below.



**RECOGNIZE THIS SYMBOL AS A  
SAFETY PRECAUTION.**

After installing unit, reread instructions to ensure each step is complete and that all parts are fastened in place. For best results and to minimize installation time, perform all procedures in the order shown.



## WARNING

**HIGH VOLTAGE**  
Disconnect ALL power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury or death due to electrical shock.





## WARNING

We will not be responsible for any injury or property damage arising from improper service or service procedures. If you install or perform service on this unit, you assume responsibility for any personal injury or property damage which may result. Many jurisdictions require a license to install or service heating and air conditioning equipment.



## WARNING

To prevent heat related illness or death, do not use this device for unattended cooling of persons or animals unable to react to product failure. Failure of unattended air conditioner may result in extreme heat in area intended for cooling, causing heat-related illness or death of persons or animals.



## WARNING

### HIGH TEMPERATURE STRESS HAZARD

This room air conditioner is not meant to provide unattended cooling or life support for persons or animals that are unable to react to failure of the product.

The failure of an unattended air conditioner may result in extreme heat in the conditioned space causing overheating or death of persons or animals.

Precautions must be taken to ward off or guard against such an occurrence.

## Unpacking

Unpack and visually inspect the unit. Report any damage to the delivering carrier immediately. Remove and discard all packing material.



## WARNING

**Do NOT operate unit with shipping foam blocks in place. Always remove prior to running unit.**

On some models the air conditioner front and/or mounting kit hardware may be packed separately.

Record the model, serial and manufacturing numbers of your unit in the space provided below. This information is found on a nameplate visible after the front of the air conditioner has been removed. The rated voltage, amperage and capacity for your specific model can also be found on this nameplate. Read the warranty packaged with the unit. Keep the warranty and a copy of your sales receipt for future reference. You may also want to record in the space provided the date purchased and the selling dealer.

## OWNER'S PRODUCT IDENTIFICATION

MODEL NUMBER

SERIAL NUMBER

MANUFACTURING NUMBER

Owner's Name

Address

City State Zip

Date of Purchase

Authorized Dealer

Address

City State Zip

Phone Number



## WARNING









**To avoid death, personal injury or property damage due to electrical shock:**

- Observe all local codes and ordinances.
- Disconnect electrical power to unit before servicing.
- Ground appliance properly.
- Check with a qualified electrician if you are not sure this appliance is properly grounded.
- DO NOT ground to gas line.
- DO NOT ground to cold water pipe if pipe is interrupted by plastic, non-metallic gaskets, or other insulating (non-conducting) materials.
- DO NOT modify plug on power cord. If plug does not fit electrical outlet, have proper outlet installed by qualified electrician.
- DO NOT have a fuse in the neutral or ground circuit. A fuse in the neutral or ground circuit could result in an electrical shock.
- DO NOT use an extension cord with this appliance.
- DO NOT use an adapter plug with this appliance.
- DO NOT pinch power cord.
- DO NOT REMOVE warning tag from power cord.

## Electrical Requirements

### Grounding Instructions

This appliance is equipped with a three-prong grounding plug for protection against possible shock hazards. If a two-prong

Unit Plug Type	Receptacle Required	Circuit Rating, Breaker, Time Delay Fuse	Voltage Rating On Nameplate
NEMA No. 5-15P 	NEMA No. 5-15R 	125V-15AMP	115V
NEMA No. 6-15P 	NEMA No. 6-15R 	250V-15AMP	230/208V rated at 12 amperes or less
NEMA No. 6-20P 	NEMA No. 6-20R 	250V-20AMP	230/208V rated over 12 amperes, but not more than 16 amperes
NEMA No. 6-30P 	NEMA No. 6-30R 	250V-30AMP	208V rated over 16 amperes, but not more than 24 amperes

wall receptacle is encountered, the customer is required to contact a qualified electrician and have the two-prong wall receptacle replaced with a properly grounded three-prong wall receptacle in accordance with the National Electrical Code.

Room air conditioners are designed to operate according to requirements on the nameplate and as shown in Table 1. Fuse or circuit breaker ratings must be according to the fuse instruction label and as shown in Table 1. Do not plug models marked "Use on Single Outlet Circuit Only" into a circuit with another appliance or light fixture.

### Receptacle Wiring

Receptacle wiring must be of adequate size for unit. Refer to unit identification plate for exact power requirements. Minimum size of wiring, based on power requirements, is:

Units up to 20 amps: 12 gauge  
20–30 amp units: 10 gauge

Use copper wire only. Consumer's responsibility is to provide proper and adequate receptacle wiring that conforms to all applicable codes. All wiring should be installed by qualified electrician.

### LCFI or AFCI Power Cords

Underwriters Laboratories (UL) and the National Electric Code (NEC) now require power cords that sense current leakage and can open the electrical circuit to the unit. In the event, the unit does not operate, check the reset button located on or near the head of the power cord as part of the normal troubleshooting procedure.

## Installation

Complete step-by-step installation instructions are furnished with your unit. These instructions will be found on a separate page included with this manual or in the mounting kit assembly. Follow these instructions carefully. Keep these instructions with this manual for future reference. Your unit will be one of the following designs:

- Unit with a window mounting kit**

These models are designed for mounting through an opening in a wall. These units can be adapted to window installation by using the optional window mounting kit supplied with your unit.

- Unit without a window mounting kit**


No window mounting kit is supplied with the unit. These models are designed for mounting through an opening in a wall. These units can be adapted to window installation by purchasing an optional window mounting kit. Consult your dealer to choose the kit that is appropriate for your model and installation.

## Room Heat Pumps


Heat pumps work by moving heat instead of creating it. In the summer, the cool indoor coil absorbs heat from your room and moves it outdoors, providing cooling. In the winter, heat pumps reverse this operation. By lowering the temperature of the outdoor coil below the outdoor temperature, the heat pump absorbs the heat from outdoors and moves it inside your house. This heat transferring process is very efficient. For example, at 45°F outdoor temperature, a heat pump can provide 2 ½ watts of heat for every watt of electricity it consumes.

As outdoor temperatures drop, the heating capacity and efficiency of the heat pump declines. At temperatures below 45°F, it is likely that ice will form on the outdoor coil. Heat pump units are designed to operate as a heat pump above approximately 40°F. Below 40°F, these units switch automatically from reverse cycle heat pump to auxiliary electric heating. No defrost is required. There is no minimum operating temperature.


## Normal Care and Maintenance



**WARNING**



**HIGH VOLTAGE**  
Disconnect ALL power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury or death due to electrical shock.



**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 or result in equipment malfunction that could cause property damage, personal injury or death.

### Annual Inspection

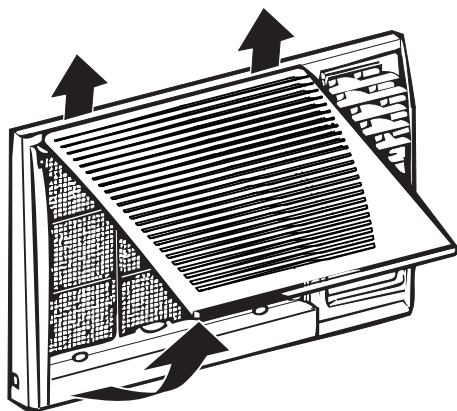
It is suggested that your unit be inspected by your dealer or servicer once a year. It is advisable to have the outer case removed and the unit thoroughly cleaned.

**Note:** The life of your unit may be greatly reduced if you live in a salt air or other corrosive type environment. Under these conditions, the unit should be removed from its case and completely cleaned at least once a year. At that time any scratches or blisters on the painted surfaces should be sanded and repainted. Placing an algaecide tablet in the outdoor side of the unit's basepan is suggested in humid areas where algae formation is common. We recommend the following algaecide cleaners: **PanGuard®** by Control Released Technologies, Inc. and **CDC Anti-Clog®** by Virginia KMP.

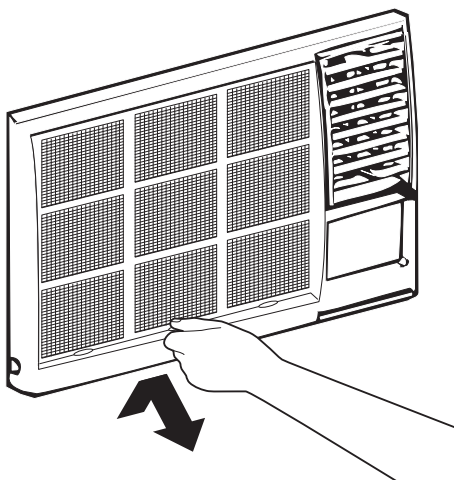
### Front Grille and Filter Removal

The front contains an air filter that can be removed. To clean the filter, use the following method for filter removal.

Grasp exhaust grille and hinge up.

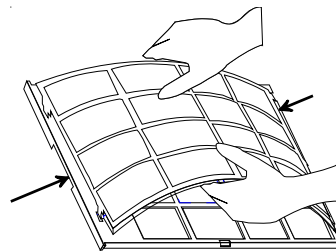


Grasp filter handle and slide filter out of unit.



### Optional Charcoal Air Filter Installation

Remove charcoal air filter from plastic bag. Insert three tabs on right side of filter into three slots on filter frame. Carefully bow middle of filter until two tabs on filter can be inserted into two slots on filter frame. Relax bow.



Reinstall air filter by reversing removal procedure.

### Front Grille and Cabinet Cleaning

Grille and cabinet may be cleaned with warm water and mild soap or detergent. Cleaning and polishing compounds are not recommended, as they may damage plastic surfaces.

### Air Filter Cleaning

A dirty air filter reduces operating efficiency of unit. Filter should be inspected at least once every week during operation. Clean filter with vacuum cleaner or wash in warm water and mild detergent. Filter should be thoroughly dried before replacing in unit. Do not operate unit without filter in place.

### Fan Motor Care

The fan motor is permanently lubricated for long life. There is no need to oil the motor.

### Slide-out Chassis Removal from Outer Case

1. Remove front grille by sliding grille to left and pulling out.
2. Remove air filter by sliding to left.
3. Remove 4 screws holding plastic front to unit and remove front.
4. If the unit has a screw holding the basepan clip to the chassis, remove the screw.



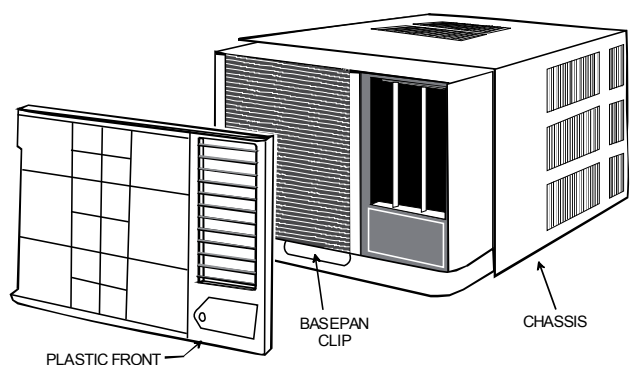
### CAUTION

To reduce the risk of personal injury, be sure to have sufficient help when moving your unit. A room air conditioner can weigh between 70 and 240 pounds.

5. Using basepan handle, pull chassis straight out, slowly and evenly, until approximately 9-12 inches extends from outer case. Use both hands to grasp basepan and pull remaining chassis from outer case.

**NOTE:** Basepan clip is shipped in plastic bag with mounting screw and condensate drain cup. Install clip after reinserting chassis into outer case to prevent accidental chassis removal.



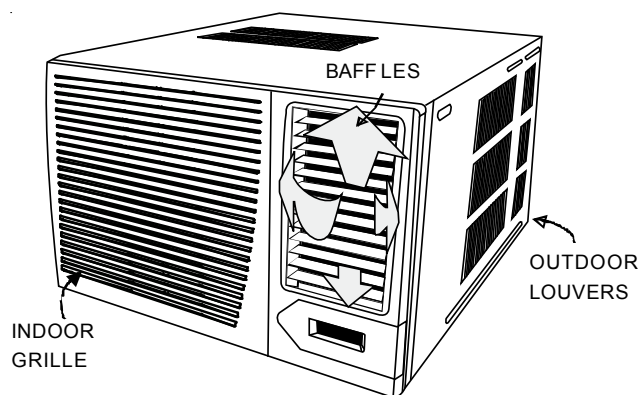


## General Operating Instructions

While operation of all units is similar, controls vary slightly from model to model. *Operating Controls* section shows control panel of unit purchased and gives detailed information about operation of controls.

### Initial Start-Up and Cooling

Select the highest fan speed and set temperature control to its coldest position. When the desired temperature is reached, slowly move the temperature control toward a warmer setting until the compressor shuts off. The thermostat will then cycle the compressor on and off to maintain this selected temperature. Adjust the fan speed for desired air circulation.



### Changing Airflow Direction Baffles

Airflow on unit may be diverted left or right from center by baffles. Upward and downward air discharge is provided by tilting louvers. Adjust baffles and tilt louvers for desired airflow pattern.

### Airflow Around Unit

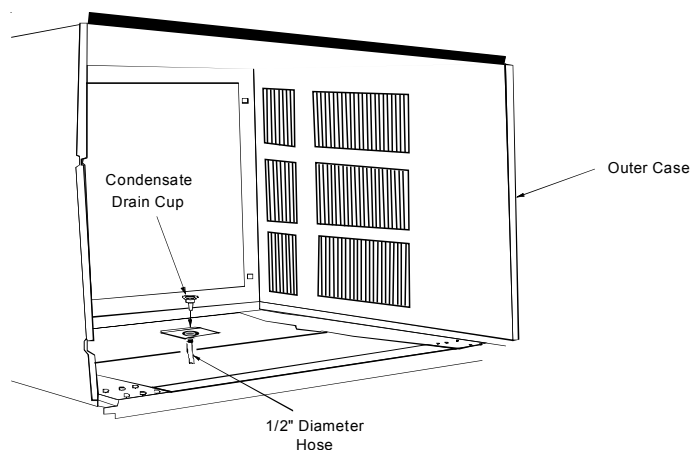
Check the indoor grille and outdoor louvers for obstructions to airflow. Do not block the airflow to and from the unit. If air is obstructed and/or deflected back into the unit, the air conditioner's compressor may cycle on and off rapidly. This could damage your unit.

### Drain Cup Installation and Use (on some models)

Your air conditioner uses a system where the water removed from the indoor air (condensate) is channeled to the outdoor side of the unit. The outdoor fan blade has a "slinger" ring attached to it that dips into the water and slings the water onto the outdoor coil surface. This is the sound of water you hear during normal operation. The water quickly evaporates on this warm surface and improves the efficiency of your air conditioner. In normal conditions the unit can evaporate the water as fast as it is removed from the indoor air.

However, in very humid conditions excess amounts of water may drip off the unit chassis. If this proves to be a problem, install the condensate drain cup included with the unit to route excess water where it would not be a problem (see illustration below).

To install, remove the unit chassis from the outer case. Insert the condensate drain cup through the recessed  $\frac{1}{2}$ " hole on the back center flange of the outer case. Once inserted, place a  $\frac{1}{2}$ " diameter hose or tube on the drain cup bottom spout. The hose allows you to route where you want the excess water to go. Reinsert the unit chassis into the outer case. The unit basepan overflow hole will be positioned directly above the drain cup and will catch any water that might run out.



# Installation Instructions

# Air Conditioner



## WARNING

Disconnect **ALL** power to unit before installing or servicing, making sure unit is plugged in only when instructions state it is safe to do so. Failure to follow instructions may cause property damage, personal injury or death.



Question? Consumer information line toll-free 1-877-376-0214



## BEFORE YOU BEGIN

Read these instructions completely and carefully.

- **IMPORTANT** - Save these instructions for local inspector's use.
- **IMPORTANT** - Observe all governing codes and ordinances.
- Note to Installer - Be sure to leave these instructions with the Consumer.
- Not to Consumer - Keep these instructions for future reference.
- Skill level - Installation of this appliance requires basic mechanical skills.
- Completion time - Approximately 1 hour
- We recommend that two people install this product.
- Proper installation is the responsibility of the installer.
- Product failure due to improper installation is not covered under the Warranty.



## ELECTRICAL REQUIREMENTS

The 3-prong grounding plug minimizes the possibility of electric shock hazard. If the wall outlet you plan to use is only a 2-prong outlet, it is your responsibility to have it replaced with a properly grounded 3-prong wall outlet.



Some models require 230/208-volt a.c. protected with a time delay fuse or circuit breaker. These models should be installed on their own single branch circuit for best performance and to prevent overloading house or apartment wiring circuits, which could cause a possible fire hazard from overheating wires.



## CAUTION

Do not, under any circumstances, cut or remove the third (ground) prong from the power cord.

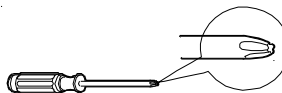
Do not change the plug on the power cord of this air conditioner.

Aluminum house wiring may present special problems - consult a qualified electrician.

## TOOLS YOU WILL NEED



Adjustable wrench



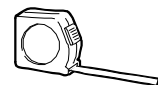
Phillips head screwdriver



Flat-blade screwdriver



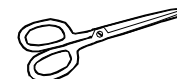
Pencil



Ruler or tape measure



Level

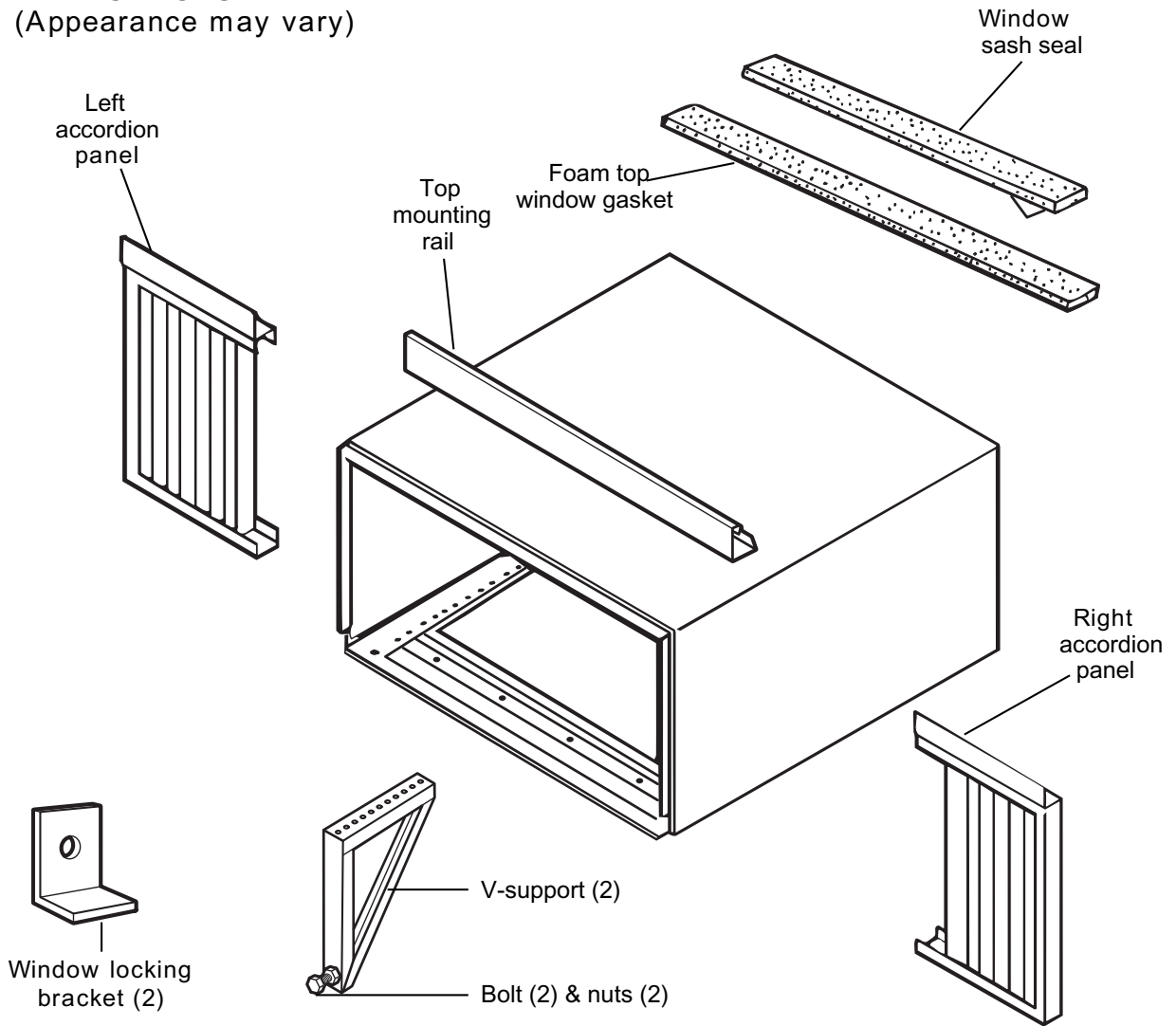


Scissors or knife

Power cord includes a current interrupter device. A test and reset button is provided on the plug case. The device should be tested on a periodic basis by first pressing the TEST button and then the RESET button. If the TEST button does not trip or if the RESET button will not stay engaged, discontinue use of the air conditioner and contact a qualified service technician.

# Installation Instructions

## PARTS INCLUDED (Appearance may vary)



Type A (6)



Type B (4)



Type C (7)



Type D (6)



Type E (4)



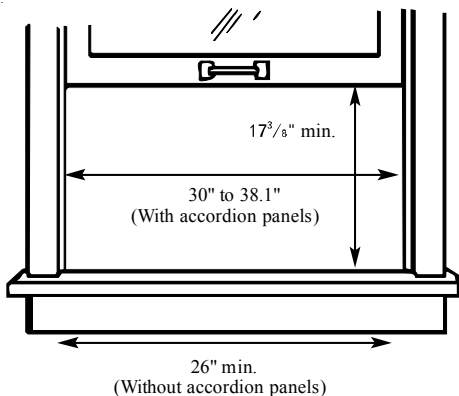
Type F (2)



# Installation Instructions

## 1 WINDOW REQUIREMENTS

- These instructions are for a standard double-hung window. You will need to modify them for other types of windows.
- The air conditioner can be installed without the accordion panels if needed to fit in a narrow window. See the window opening dimensions.
- All supporting parts must be secured to firm wood, masonry or metal.
- The electrical outlet must be within reach of the power cord.



## 2 STORM WINDOW REQUIREMENTS

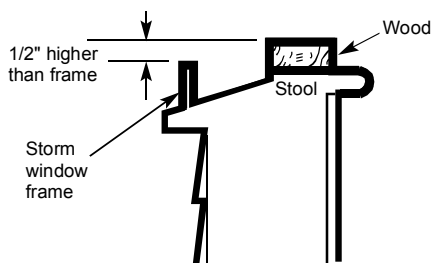
- A storm window frame will not allow the air conditioner to tilt toward the outside, and will keep it from draining properly. To adjust for this, attach a piece of wood to the stool.

### WOODPIECES

WIDTH: 2"

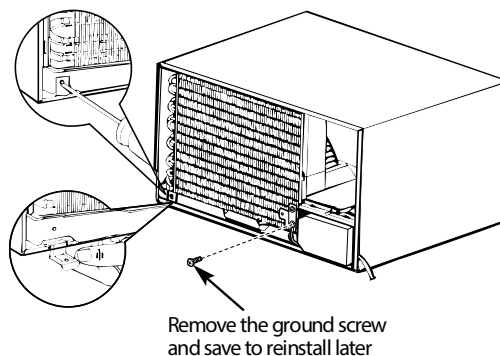
LENGTH: Long enough to fit inside the window frame.

**THICKNESS:** To determine the thickness, place a piece of wood on the stool to make it 1/2" higher than the top of the storm window frame. Attach securely with nails or screws provided by the installer.

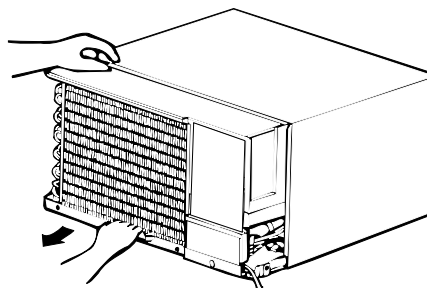


## 3 REMOVE THE AIR CONDITIONER FROM THE CASE

- A** Remove the locking screw and locking bracket from the lower frame. Save to reinstall later.
- B** Remove the ground screw and save to reinstall later.

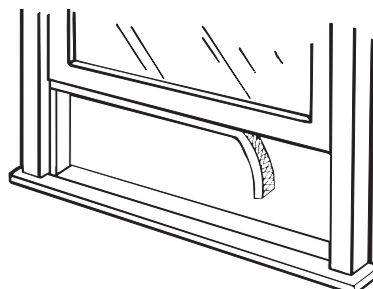


- C** Slide the air conditioner from the case by gripping the base pan handle and pulling forward while bracing the case.



## 4 PREPARE THE WINDOW

Cut the window sash seal to the proper length. Peel off the backing and attach the seal to the underside of the window sash.



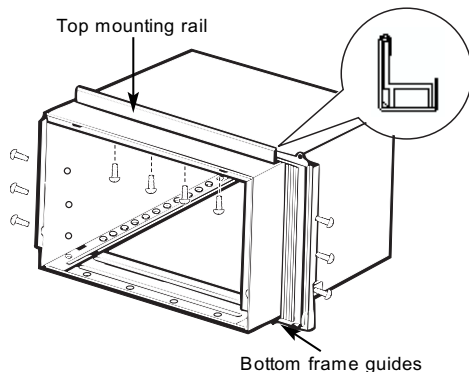


# Installation Instructions

## 5 PREPARE THE CASE

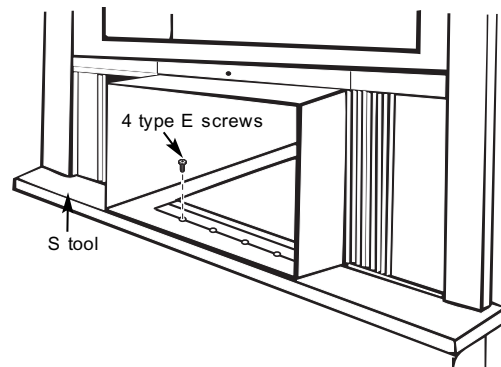
- A** Install the top mounting rail with 4 type B screws from the inside of the case.
- B** Insert the frames for the accordion panels into the top mounting rail and the bottom frame guides. Attach the accordion panels to the side of the case using 3 type A screws on each side.

Note: When attaching the accordion panels, make sure to only screw the inner panels to the case sides.

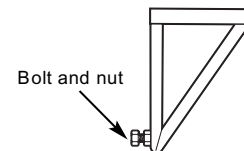


## 6 INSTALL THE CASE IN THE WINDOW

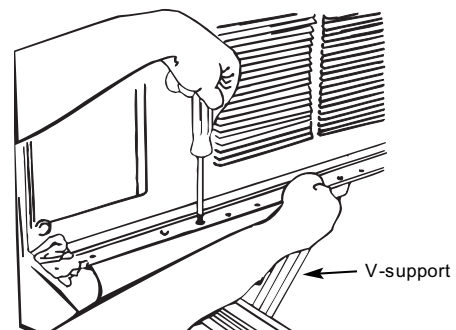
- A** Carefully slide the case into the window and center the case. Lower the window behind the top mounting rail. Pull the bottom of the case forward so that the bottom mounting rail is tight against the back of the window stool. Mount the case to the window sill using 4 type E screws. Drill pilot holes, if necessary.



- B** Make sure the bolts and nuts are all of the way in both the left and right supports.



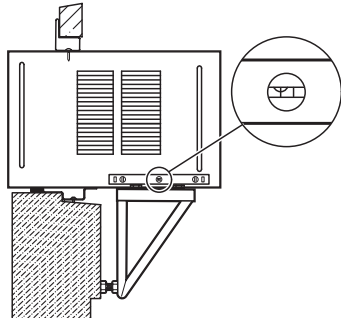
- C** Position the Vsupports on the case bottom so that they will be near the outside wall. Attach a Vsupport to each side of the bottom of the case using type C screws, 3 on each side.



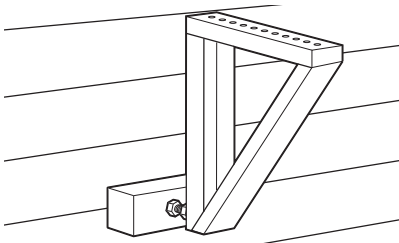
# Installation Instructions

## 6 INSTALL THE CASE IN THE WINDOW (cont.)

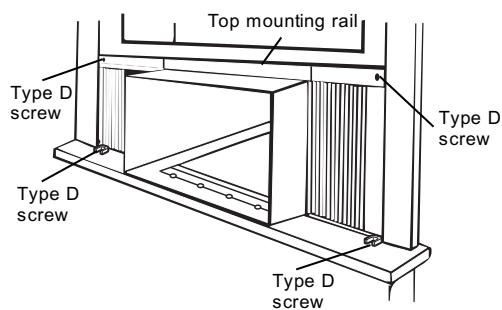
- D** Adjust the leveling bolts and nuts against the outside wall so that the case has a slight tilt to the outside. Tighten nuts with an adjustable wrench. Use a level; about a 1/2 bubble will be the correct case slant to the outside.



- E** Use a wood block (obtained locally) between the leveling bolts and the wall if the wall is weak or if the weight of the air conditioner falls between the studs in the wall.

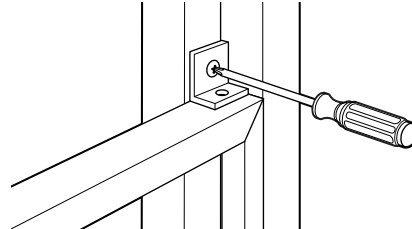


- F** Extend the left and right accordion panels to the vertical window sashes. Drill pilot holes and attach the top and bottom corners with 4 type D screws.



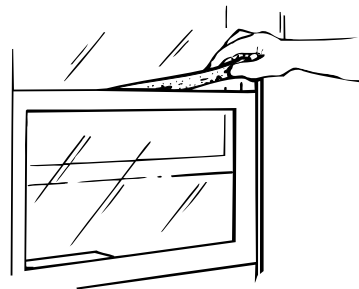
## 7 INSTALL SUPPORT BRACKETS AND THE FOAM TOP WINDOW GAS KET

- A** Attach the support brackets with two type D screws, one on each side.



- B** Cut the foam top window gasket to the window width.

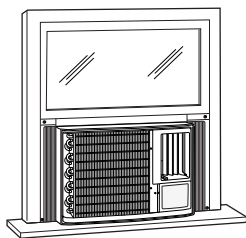
- C** Stuff the foam between the glass and the window to prevent air and insects from getting into the room.



# Installation Instructions

## 8 INSTALL THE AIR CONDITIONER IN THE CASE

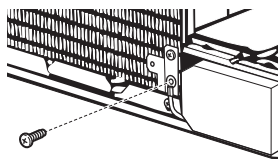
- A** Slide the air conditioner into the case. Do not push on the controls or the finned coils. Make sure the air conditioner is firmly seated.



- B** Reinstall the locking bracket and screw removed earlier

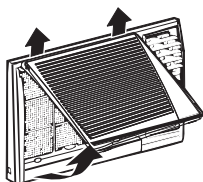


- C** Reconnect the ground wire to the air conditioner using the screw removed earlier  
**IMPORTANT:** The ground wire must be reinstalled to ensure a proper ground.

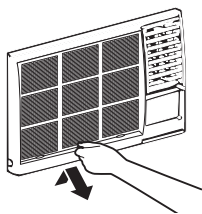


- D** Remove the front grille from its box and remove the shipping tape.

- E** Grasp the inlet grille at the bottom corners and pull it forward. Unhook it from its top hinges and set it aside.

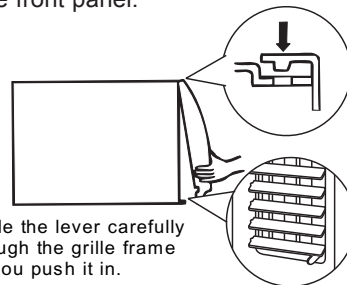


- F** Using the tab, pull up slightly on the filter to release it and pull it down and out.



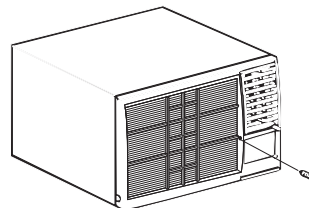
## 8 INSTALL THE AIR CONDITIONER IN THE CASE(cont.)

- G** Pull the coiled power cord from its shipped position in the air discharge area. Attach the front grille frame to the case by inserting the tabs on the grille frame into the slots on the front top of the case. Push the grille frame in. Install the 2 Type F screws at the bottom left and right sides of the front panel.

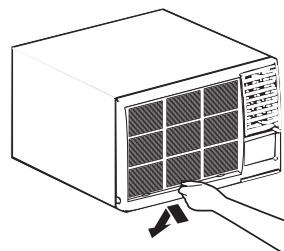


Guide the lever carefully through the grille frame as you push it in.

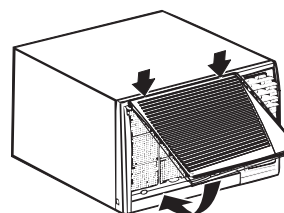
- H** Secure the front grille frame to the case with one type C screw



- I** Reinstall the filter



- J** Reinstall the inlet grille. Connect power



# Thru-wall Installation Instructions

## for Amana® Brand Room Air Conditioner

### Introduction

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



#### WARNING

##### HIGH VOLTAGE

Disconnect ALL power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury or death due to electrical shock.

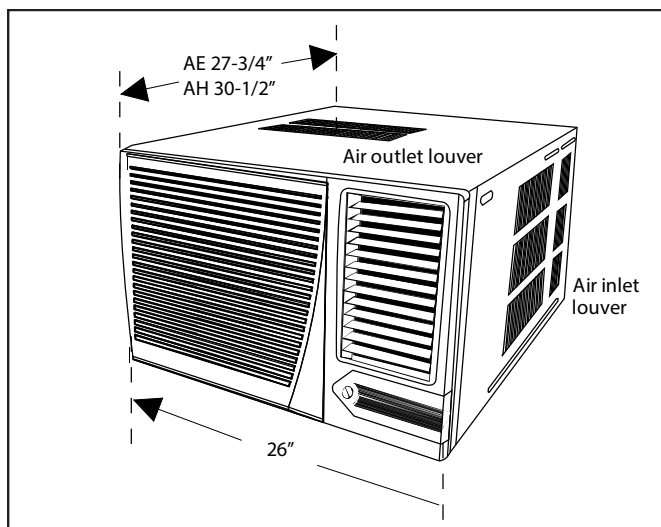


#### CAUTION

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 or result in equipment malfunction that could cause property damage, personal injury or death.

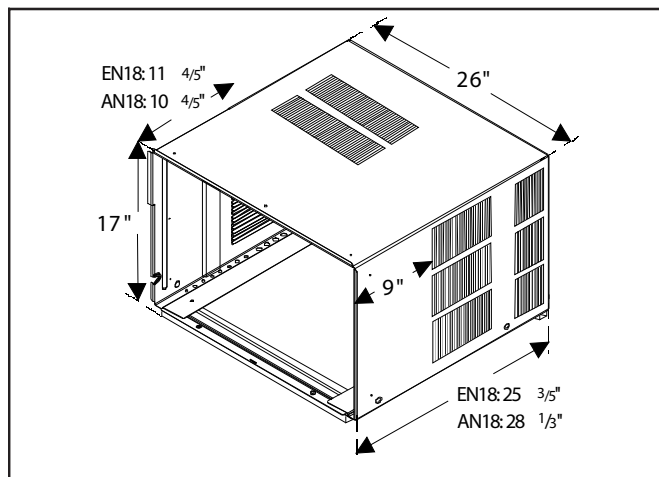
### Air Conditioner Dimensions

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.

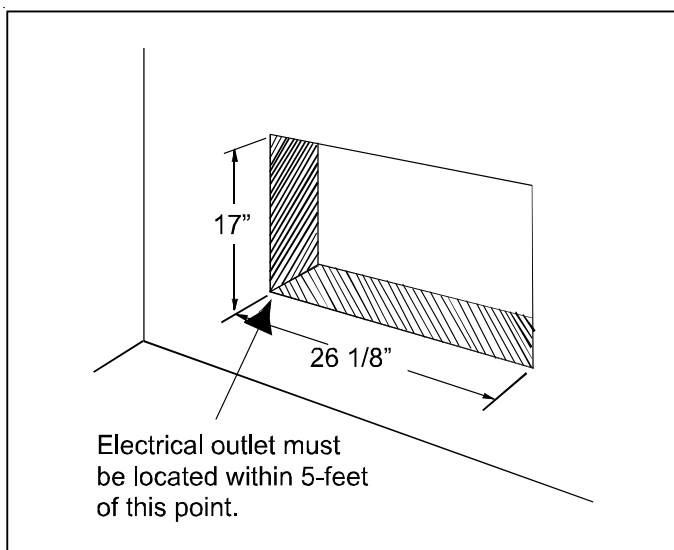


#### CAUTION

In order to reinstall the chassis and re-attach the air conditioner front cover, the installed outercase 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. Do not install or place anything in the air inlet and air outlet of window type unit, in order to avoid affecting performance.

A finished opening 26 1/8-inches wide x 17-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-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 2/5-inches.



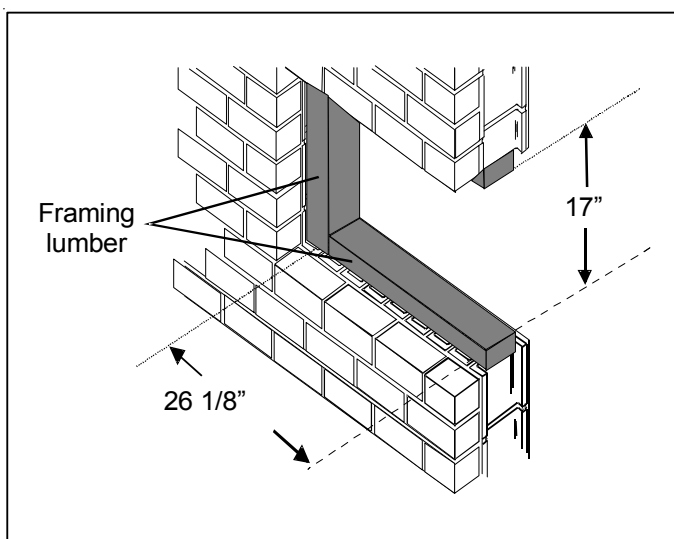
### Dimensions of Finished Opening

### Masonry Construction

**See CAUTION under General Instructions.** In masonry walls, cut or build a finished opening 17-inches high by 26 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).

### Brick Veneer or Frame Wall Construction

**See CAUTION under General Instructions.** Cut or build rough opening large enough to allow a framed, finished opening 17-inches high and 26 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).



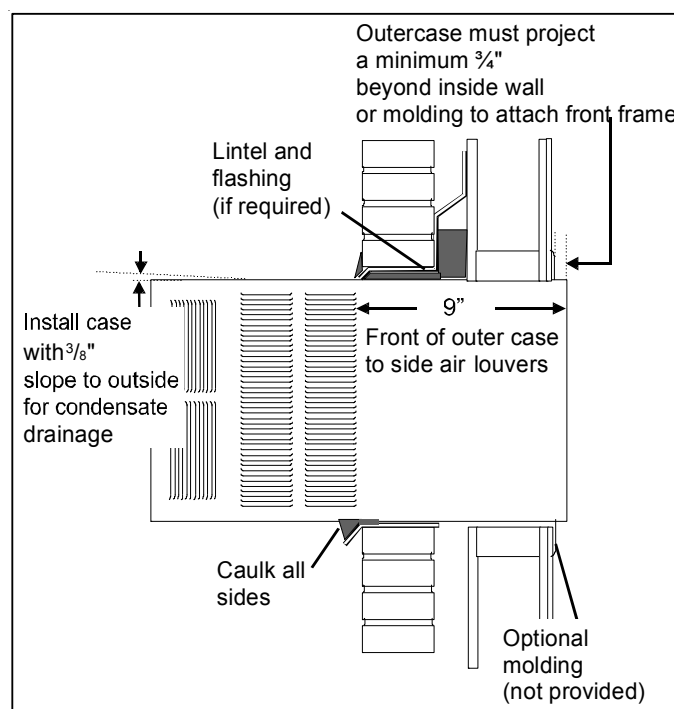
**Framed/Finished Opening**  
(brick veneer or frame wall construction)

### 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.



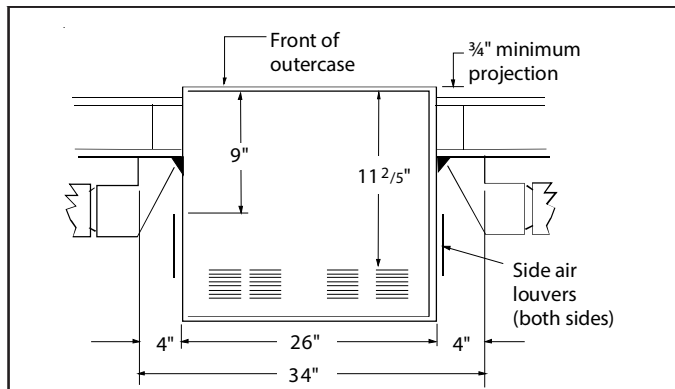
**Installed Case**  
(brick veneer or frame wall construction shown)



## Installation in Wall Thicker Than 9-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-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 2/5-inches.



### Chamfering Walls Thicker Than 9-inches

## Operating Controls(For Electronic units)

Operating your air conditioner properly helps you to obtain the best possible results.

This section explains proper air conditioner operation.

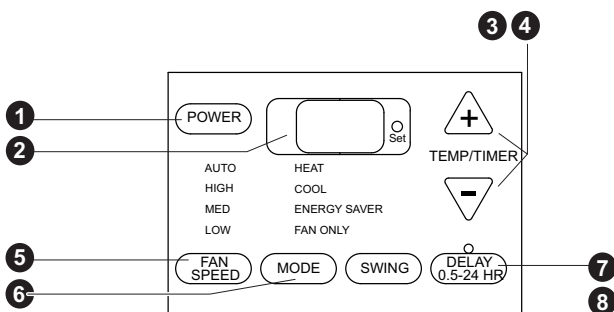
### IMPORTANT:

- If you turn off the air conditioner, wait at least 3 minutes before turning it back on. This prevents the air conditioner from blowing a fuse or tripping a circuit breaker.
- Do not try to operate your air conditioner in the cooling mode when outside temperature is below 61°F (16°C). Do not try to operate your air conditioner in the heating mode when outside temperature is over 86°F (30°C). The inside evaporator coil will freeze up, and the air conditioner will operate properly.

**NOTICE:** In the event of a power failure, your air conditioner will operate at the previous settings when the power is restored.

Lights next to the touch pads on the air conditioner control panel indicate the selected settings.

The display shows the set temperature when in Heat/Cool/Energy Saver mode. Shows time remaining on the delay timer. Shows the room temperature when in Fan Only mode.



**Air Conditioner Controls**

## Controls

### 1 Power Pad

Turns air conditioner on and off.

### 2 Display

Shows the set temperature when in Heat/Cool/Energy Saver mode. Shows time remaining on the delay timer. Shows the room temperature when in Fan Only mode. The Set light will turn on while setting.

### 3 Temp Increase▲/Decrease▼ Pads

Use to set temperature when in Heat (on some models)/Cool/Energy Saver. The **Set** light will turn on while setting. Press **Increase(+)** and **Decrease(-)** Pads at the same time for 3 seconds, Temperature display will change between °F and °C.

### 4 Delay Timer Increase▲ (+) / Decrease▼ (-) Pads

Each touch of the **Increase▲ / Decrease▼** pads on the unit will set the delay time when using the **Delay 0.5–24hr** timer (⌚).

The **Set** light will turn on while setting.

### 5 Fan Speed Pads

Use to set the fan speed to **Low, Med, High** or **Auto** on the unit.

### 6 Mode Pad

Use to set the air conditioner to **Cool, Energy Saver, Fan Only** or **Heat** (on some models) mode.

### 7 Delay Pads

**Delay ON**—When the air conditioner is off, it can be set to automatically come on in 0.5 to 24 hours at its previous mode and fan settings.

**Delay OFF**—When the air conditioner is on, it can be set to automatically turn off in 0.5 to 24 hours.

#### How to set:

Press the **Delay 0.5–24hr** pad on the unit or the ⌚ pad on the remote control. Each touch of the **Increase▲ / Decrease▼** pads on the unit will set the timer in 0.5 hour or 1 hour intervals (the intervals is 0.5 hour as the delay timer below 10 hours; the intervals is 1 hour as the delay timer above 10 hours). The **Set** light will turn on while setting.

To review the remaining time on the **Delay 0.5-24hr** timer, press the **Delay 0.5-24hr** pad on the unit. Use the **Increase▲ / Decrease▼** pads on the unit to set a new time if desired.

**To cancel the timer**, press the **Delay 0.5-24hr** and until the light on the **Delay 0.5-24hr** and goes off.

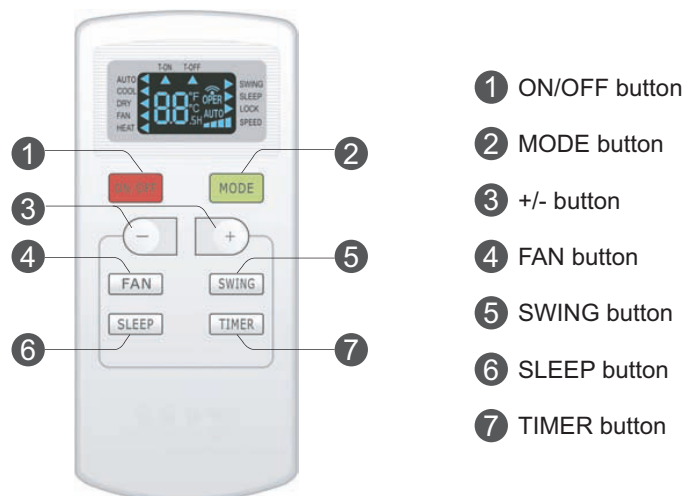
### 8 Swing Pad

Under swing status, press swing button to cancel swing function; under non-swing status, press swing button to set swing function.

If set swing function when the fan is operating, the swing motor will operate.

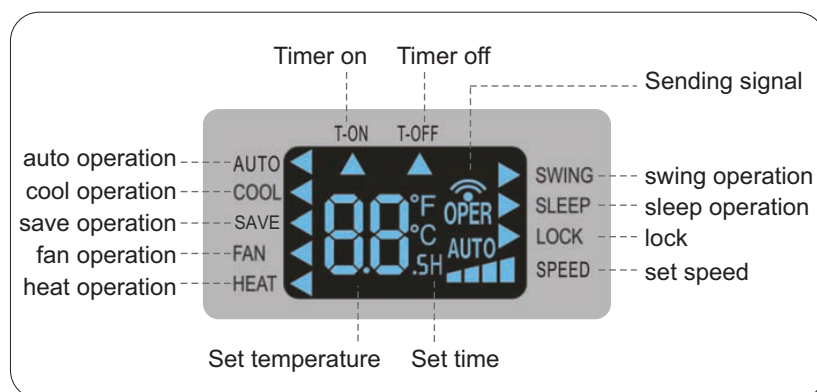
If the unit is swinging under heat-blowing status, swing and the fan will operate simultaneously. If the fan is at OFF status, swing function can't be started up even by pressing swing button.

## Buttons on remote controller



- 1 ON/OFF button
- 2 MODE button
- 3 +/- button
- 4 FAN button
- 5 SWING button
- 6 SLEEP button
- 7 TIMER button

## Introduction for icons on display screen



## Introduction for buttons on remote controller

### NOTICE:

- When power is connected(stand by condition), you can operate the air conditioner through the remote controller.
- When unit is on, each time you press the button on remote controller, the sending signal icon "📶" on the display of remote controller will blink once. If the air conditioner gives out a beep sound, it means the signal has been sent.
- When unit is off, set temperature will be displayed on the remote controller (If the light of indoor unit display is turned on, the corresponding icon will be displayed); When unit is on, it will display the icon of the on-going function.

### 1 ON/OFF button

Press this button to turn unit on/off.

### 2 MODE button

Pressing this button once can select your required mode circularly as below (the corresponding icon "◀" will be lit up after the mode is selected):



- When selecting auto mode, air conditioner will operate automatically according to ambient temperature. Set temperature can't be adjusted and won't be displayed either. Press FAN button to adjust fan speed.  
(The auto mode is not available for this model.)
- When selecting cool mode, air conditioner will operate under cool mode. Then press + or - button to adjust set temperature. Press FAN button to adjust fan speed.
- When selecting save mode, air conditioner will operate under save mode.
- When selecting fan mode, air conditioner will operate in fan mode only. Then press FAN button to adjust fan speed.
- When selecting heat mode, air conditioner will operate under heat mode. Then press + or - button to adjust set temperature. Press FAN button to adjust fan speed. (Cooling only unit can't receive heating mode signal. If set HEAT mode by remote controller, press ON/OFF button can't turn on the air conditioner.)

### 3 + / - button

- Pressing + or - button once will increase or decrease set temperature by 1°F(°C). Hold + or - button for 2s, set temperature on remote controller will change quickly. Release the button after your required set temperature is reached.
- When setting Timer On or Timer Off, press + or - button to adjust the time. (See TIMER Button for setting details)

### 4 FAN button

Pressing this button can select fan speed circularly as: AUTO, SPEED 1 (▲), SPEED 2 (▲▲), SPEED 3 (▲▲▲), SPEED 4 (▲▲▲▲).



#### NOTICE:

- Under Auto speed, air conditioner will select proper fan speed automatically according to ambient temperature.
- There are 3 speeds for the Fan Speed of this model.

### 5 SWING button

Press this button to turn on left&right air swing.

Notice: Swing operation only designed for 18K models, if press the swing operation button on the remote controller, the 9K,12K unit will keep the original running status.

### 6 SLEEP button

Under Cool, Heat mode, press this button to turn on Sleep function. Press this button to cancel Sleep function.  
Under Fan and Auto mode, this function is unavailable.

### 7 TIMER button

- When unit is on, press this button to set Timer Off. T-OFF and H icon will be blinking. Within 5s, press + or - button to adjust the time for Timer Off. Pressing + or - button once will increase or decrease the time by 0.5h. Hold + or - button for 2s, time will change quickly. Release the button after your required set time is reached. Then press TIMER button to confirm it. T-OFF and H icon will stop blinking.
- When unit is off, press this button to set Timer On. T-ON and H icon will be blinking. Within 5s, press + or - button to adjust the time for Timer On. Pressing + or - button once will increase or decrease the time by 0.5h. Hold + or - button for 2s, time will change quickly. Release the button after your required set time is reached. Then press TIMER button to confirm it. T-ON and H icon will stop blinking.
- Cancel Timer On/Off: If Timer function is set up, press TIMER button once to review the remaining time. Within 5s, press TIMER button again to cancel this function.

#### NOTICE:

- Range of time setting is: 0.5~24h
- The interval between two motions can't exceed 5s, otherwise the remote controller will exit setting status.

## Function introduction for combination buttons

### Child lock function

Press "+" and "-" buttons simultaneously can turn on or turn off child lock function. When child lock function is started up, LOCK indicator on remote controller is ON. If you operate the remote controller, remote controller won't send signal.

### Temperature display switchover function

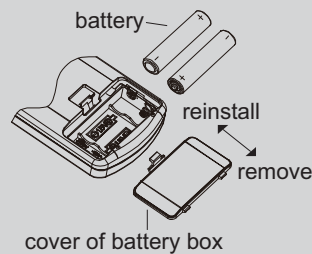
Under OFF status, press "-" button and "MODE" button simultaneously can switch between °C and °F.

## Operation guide

1. After putting through the power, press "ON/OFF" button on remote controller to turn on the air conditioner.
2. Press "MODE" button to select your required mode: AUTO, COOL, SAVE, FAN, HEAT.
3. Press "+" or "-" button to set your required temperature. (Temperature can't be adjusted under auto mode).
4. Press "FAN" button to set your required fan speed: auto, low, medium and high speed.
5. Press "SWING" button to select fan blowing angle.

## Replacement of batteries in remote controller

1. Press the back side of remote controller on the spot marked with "✎", and then push out the cover of battery box along the arrow direction.
2. Replace two No.7 (AAA 1.5V) dry batteries and make sure the positions of + and- polar are correct.
3. Reinstall the cover of battery box.



### NOTICE

- During operation, point the remote control signal sender at the receiving window on indoor unit.
- The distance between signal sender and receiving window should be no more than 8m, and there should be no obstacles between them.
- Signal may be interfered easily in the room where there is fluorescent lamp or wireless telephone; remote controller should be close to indoor unit during operation.
- Replace new batteries of the same model when replacement is required.
- When you don't use remote controller for a long time, please take out the batteries.
- If the display on remote controller is fuzzy or there's no display, please replace batteries.



## BEFORE CALLING SERVICE



### WARNING

#### HIGH VOLTAGE

**Disconnect ALL power before servicing or installing this unit. Multiple power sources may be present. Turn the fan control to the OFF position and remove the unit plug from the wall outlet prior to inspection or maintenance. Failure to do so may cause personal injury or death due to electrical shock.**



The following is a list of problems that are sometimes encountered when using a room air conditioner. Possible cause and suggested remedies are given for each problem.

If the problem cannot be fixed using the suggested remedies, see *WHEN SERVICE IS REQUIRED* section.

PROBLEM	POSSIBLE CAUSE	SUGGESTED REMEDY
UNIT WILL NOT RUN	No power to unit	Push reset button on power cord. Set Fan Control to position other than OFF. Make sure plug is firmly seated in outlet. Check for blown fuses, tripped circuit breakers.
LITTLE OR NO COOLING LITTLE OR NO HEATING (fan <i>and</i> compressor run)	Fresh air/exhaust damper open Obstructed indoor or outdoor airflow Dirty air filters Unit undersized for application	Set vent to CLOSED. Remove obstruction from indoor grille or outdoor louvers. Dirty air filter. Clean or replace, as needed. Check with dealer to determine proper capacity unit for application.
LITTLE OR NO COOLING LITTLE OR NO HEATING (only fan runs)	Temperature Control not set properly	For cooling, turn Temperature Control to cooler setting. For heating, turn Temperature Control to warmer setting.
NOISY UNIT	Loose front on mounting assembly Weak building construction Water hitting fan blade Unit oversized for application: compressor cycles on and off frequently	Tighten any loose parts. Provide additional support for unit. Normal in high humidity. Stop noise by removing drain plug or adding condensate drain cup. Check with dealer to determine proper capacity unit for application.
MOUNTING SUPPORT NOT INSTALLED	Storm window frame installed in window	Some models require removal of storm window frame before installation.
FROST ON INDOOR COIL	Dirty air filter Normal for low outdoor temperatures	Clean air filter by vacuuming or washing with water and mild soap. Turning Temperature Control to warmer setting reduces occurrence and duration of frost.
FROST ON OUTDOOR COIL (heat pump models only)	Normal for outdoor temperatures at or below 45°F	Call for service <i>only</i> if unit does not heat room and you have checked all problems and remedies listed under LITTLE OR NO HEATING.
ODORS IN COOLING	Mold, mildew, or algae formation on wet surfaces	To reduce algae growth, use algacide tablet in base pan; remove drain plug; add condensate drain cup and hose. Thoroughly clean unit.
ODORS IN HEATING	Normal for first time electric heater is used each season	Caused by dust accumulation during unused months. Odor dissipates quickly with heater use.

## When Service Is Required

Your room air conditioner dealer can give you the name of your nearest Authorized Service Center. Help them give you prompt service by providing:

- An accurate description of problem.
- Complete model, serial, and manufacturing numbers from serial plate.
- Proof of purchase (sales receipt) upon request.

Repair by unauthorized servicer that results in subsequent failure of unit voids warranty. Warranty details are contained in warranty certificate enclosed with unit.

Keep accurate records of service calls, including what was done, servicer's name, and date of service.

## Any Questions?

Most questions can be answered by your local dealer. If you have other matters that cannot be resolved locally, or you need additional information regarding other heating and cooling products offered by us - please call:

### CONSUMER INFORMATION LINE

#### AMANA TOLL FREE

1-877-376-0214 (U.S. and Canada only)

email us at: [customerservice@goodmanmfg.com](mailto:customerservice@goodmanmfg.com)

fax us at: (713) 856-1821

(Not a technical assistance line for dealers.)

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Outside the U.S. and Canada, call 1-713-861-2500.

(Not a technical assistance line for dealers.)

Your telephone company will bill you for the call.

**RAC WINDOW TYPE H & C (AE, AH, PBC, PBE, PBH)**

Who Is Providing The Warranty?

This warranty is provided to you by Goodman Company, L.P. ("Goodman"), which warrants all parts of this heating or air conditioning unit, as described below.

To What Type Of Installations Does This Warranty Apply?

This warranty applies to heating and air conditioning units installed in owner-occupied residences. Different warranties apply to units installed in residences not occupied by the owner and in commercial properties.

What Units Does This Warranty Not Cover?

This warranty does not apply to:

- Units that are installed outside the United States, its territories, or Canada.
- Units that are operated in incomplete structures.
- Units that are installed in buildings other than owner-occupied residences, such as non-residential buildings or residences not occupied by the owner.

What Problems Does This Warranty Cover?

This warranty covers defects in materials and workmanship that appear under normal use and maintenance.

Other Warranties

This warranty is in lieu of all other express warranties. **ANY IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE, ARE LIMITED TO THE DURATION OF THIS WARRANTY.** Some states and provinces do not allow the exclusion of express warranties and/or limitations on how long an implied warranty lasts, so the above exclusion and/or limitation may not apply to you.

What Problems Does This Warranty Not Cover?

Goodman is not responsible for:

- Damage caused by transportation or handling (any such damage must be immediately reported to the delivering carrier).

- Damage or repairs required as a consequence of faulty installation or application.
- Damage as a result of floods, fires, winds, lightning, accidents, corrosive atmosphere, installation in an environment containing corrosive chemical agents, or other conditions beyond Goodman's control.
- Damage or failure due to corrosion resulting from installation in a corrosive coastal environment, except for specific parts (condensor coils) which have been treated with factory applied corrosion protection on specified factory treated models sold as "Seacoast" models.
- Damage or the need for repairs arising from the use of components or accessories not compatible with this unit.
- Normal maintenance as described in the installation and operating manual.
- Parts or accessories not supplied or designated by the manufacturer.
- Damage or the need for repairs resulting from any improper use, maintenance, operation, or servicing.
- Damage or failure of the unit to start due to interruption in electrical service or inadequate electrical service.
- Any damage caused by frozen or broken water pipes in the event of equipment failure.
- Changes in the appearance of the unit that do not affect its performance.
- Replacement of fuses and replacement or resetting of circuit breakers or power cords.
- Damage or the need for repairs resulting from the use of unapproved refrigerant types or used or recycled refrigerant.
- Expedited freight charges, unless pre-approved in writing by Goodman.
- Handling charges to make a unit reasonably accessible for normal service.

**www.amana-ptac.com**

For further information about this warranty, contact  
Technical Services at (877) 376-0214 (option 2)  
inside U.S.A. and Canada  
1-931-433-6101 outside U.S.A. and Canada  
or by mail to 1810 Wilson Parkway, Fayetteville, TN 37334



Part No. PW-342D  
1/2017

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**AMANA® BRAND... Lasts and Lasts and Lasts®**

## RAC WINDOW TYPE H & C (AE, AH, PBC, PBE, PBH)

### When Does Warranty Coverage Begin?

Warranty coverage begins on the "date of purchase". If the date the unit was purchased cannot be verified, the date of purchase is three months after the manufacture date. The first four digits of the serial number (YYMM) on the unit indicate the manufacture date. For example, a serial number beginning with "1306" indicates the unit was manufactured in June 2013.

### How Long Does Warranty Coverage Last and What Will Goodman Do To Correct Problems?

**FIRST-YEAR COVERAGE (ENTIRE UNIT):** We will repair or replace, free of charge (to include labor), any part of a unit that proves to be defective due to workmanship or materials within the first year after the date of purchase.

### **SECOND THROUGH FIFTH YEARS SEALED SYSTEM COVERAGE:**

During the 2nd through 5th years after the date of purchase, we will repair (to include labor) any refrigerant leaks caused by defects in workmanship or material of a unit, and will repair or replace (to include labor) any portion of the evaporator coil, condenser coil, compressor, reversing valves or connecting tubing that proves to be defective in workmanship or materials.

The repair or replacement of a part under this warranty does not extend the warranty period. In other words, Goodman warrants a repaired or replacement part only for the period remaining in the applicable warranty that commenced on the date of purchase.

THE OWNER AGREES THAT THESE REMEDIES ARE THE OWNER'S EXCLUSIVE REMEDIES FOR BREACH OF ALL WARRANTIES, EXPRESS OR IMPLIED.

### What Won't Goodman Do To Correct Problems?

Goodman will not pay for:

Except as specifically described in the "How Long Does Warranty Coverage Last and What Will Goodman Do To Correct Problems?" section above, labor, freight, or any other cost associated with the service, repair, or operation of the unit.

- Electricity or fuel costs, or increases in electricity or fuel costs, for any reason, including additional or unusual use of supplemental electric heat.
- Lodging or transportation charges.

**WHETHER ANY CLAIM IS BASED ON NEGLIGENCE OR OTHER TORT, BREACH OF WARRANTY OR OTHER BREACH OF CONTRACT, OR ANY OTHER THEORY, NEITHER GOODMAN NOR ANY OF IT AFFILIATES SHALL IN ANY EVENT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO LOST PROFITS, LOSS OF USE OF A UNIT, EXTRA UTILITY EXPENSES, OR DAMAGES TO PROPERTY.** Some states and provinces do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion may not apply to you.

### How Can The Owner Receive Warranty Service?

If there is a problem with the unit, contact an authorized Amana brand servicer. For warranty credit for labor covered by this warranty, the labor must be performed by an authorized Amana brand servicer. Proven defective parts (if required to be returned) must be returned to point of purchase. For more information about the warranty or to locate an authorized Amana brand servicer, contact Technical Services at 1-877-376-0214 (option 2) inside U.S.A. and Canada or 1-931-433-6101 outside U.S.A. and Canada or write to Technical Services, 1810 Wilson Parkway, Fayetteville, TN 37334.

This warranty gives you specific legal rights, and you may also have other rights that vary from state to state or province to province.

### Quebec Residents

The arbitration provisions of this warranty shall not apply to residents of Quebec.

### Where Can Any Legal Remedies Be Pursued?

**ARBITRATION CLAUSE. IMPORTANT. PLEASE REVIEW THIS ARBITRATION CLAUSE. IT AFFECTS YOUR LEGAL RIGHTS.**

1. **Parties:** This arbitration clause affects your rights against Goodman and any of its affiliates or employees or agents, successors, or assigns, all of whom together are referred to below as "we" or "us" for ease of reference.


**RAC WINDOW TYPE H & C (AE, AH, PBC, PBE, PBH)**

2. **ARBITRATION REQUIREMENT:** EXCEPT AS STATED BELOW, ANY DISPUTE BETWEEN YOU AND ANY OF US SHALL BE DECIDED BY NEUTRAL, BINDING ARBITRATION RATHER THAN IN COURT OR BY JURY TRIAL. "Dispute" will be given the broadest possible meaning allowable by law. It includes any dispute, claim, or controversy arising from or relating to your purchase of this heating or air conditioning unit, any warranty upon the unit, or the unit's condition. It also includes determination of the scope or applicability of this Arbitration Clause. The arbitration requirement applies to claims in contract and tort, pursuant to statute, or otherwise.
3. **CLASS-ARBITRATION WAIVER:** ARBITRATION IS HANDLED ON AN INDIVIDUAL BASIS. IF A DISPUTE IS ARBITRATED, YOU AND WE EXPRESSLY WAIVE ANY RIGHT TO PARTICIPATE AS A CLASS REPRESENTATIVE OR CLASS MEMBER ON ANY CLASS CLAIM YOU MAY HAVE AGAINST US OR WE AGAINST YOU, OR AS A PRIVATE ATTORNEY GENERAL OR IN ANY OTHER REPRESENTATIVE CAPACITY. YOU AND WE ALSO WAIVE ANY RIGHT TO CLASS ARBITRATION OR ANY CONSOLIDATION OF INDIVIDUAL ARBITRATIONS.
4. **Discovery and Other Rights:** Discovery and rights to appeal in arbitration are generally more limited than in a lawsuit. This applies to both you and us. Other rights that you or we would have in court may not be available in arbitration. Please read this Arbitration Clause and consult the rules of the arbitration organizations listed below for more information.
5. **SMALL CLAIMS COURT OPTION:** YOU MAY CHOOSE TO LITIGATE ANY DISPUTE BETWEEN YOU AND ANY OF US IN SMALL CLAIMS COURT, RATHER THAN IN ARBITRATION, IF THE DISPUTE MEETS ALL REQUIREMENTS TO BE HEARD IN SMALL CLAIMS COURT.
6. **Governing Law:** For residents of the United States, the procedures and effect of the arbitration will be governed by the Federal Arbitration Act (9 U.S.C. § 1 et seq.) rather than by state law concerning arbitration. For residents of Canada, the procedures and effect of the arbitration will be governed by the applicable arbitration law of the province in which you purchased your unit. The law governing your substantive warranty rights and other claims will be the law of the state or province in which you purchased your unit. Any court having jurisdiction may enter judgment on the arbitration award.
7. **Rules of the Arbitration:** If the amount in controversy is less than \$250,000, the arbitration will be decided by a single arbitrator. If the amount in controversy is greater than or equal to \$250,000, the arbitration will be decided by a panel of three arbitrators. The arbitrator(s) will be chosen pursuant to the rules of the administering arbitration organization. United States residents may choose the American Arbitration Association (1633 Broadway, 10<sup>th</sup> Floor, New York, NY 10019, [www.adr.org](http://www.adr.org)), JAMS (1920 Main Street, Ste. 300, Irvine, CA 92614, [www.jamsadr.com](http://www.jamsadr.com)), or, subject to our approval, any other arbitration organization. In addition, Canadian residents may choose the ADR Institute of Canada (234 Eglinton Ave. East, Suite 405, Toronto, Ontario, M4P 1K5, [www.amic.org](http://www.amic.org)). These organizations' rules can be obtained by contacting the organization or visiting its website. If the chosen arbitration organization's rules conflict with this Arbitration Clause, the provisions of this Arbitration Clause control. The award of the arbitrator(s) shall be final and binding on all parties.
8. **Location of the Arbitration Hearing:** Unless applicable law provides otherwise, the arbitration hearing for United States residents will be conducted in the federal judicial district in which you reside or, for Canadian residents, in the province in which you reside.
9. **Costs of the Arbitration:** Each party is responsible for its own attorney, expert, and other fees unless applicable law requires otherwise. Goodman will pay your share of the fees charged by the arbitration organization and arbitrator(s) beyond the first \$200. Where permissible by law, you may be required to reimburse Goodman for the fees of the arbitration organization and arbitrator(s) in whole or in part by decision of the arbitrator(s) at the discretion of the arbitrator(s).

Part No. PW-342D

1/2017

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**RAC WINDOW TYPE H & C (AE, AH, PBC, PBE, PBH)**

10. *Survival and Enforceability of this Arbitration Clause:* This Arbitration Clause shall survive the expiration or termination, or any transfer, of the warranty on your unit. If any part of this Arbitration Clause, except waivers of class-action rights, is found to be unenforceable for any reason, the remainder of this clause and the warranty shall remain enforceable. If, in a case in which class-action allegations have been made, the waiver of class-action rights under this warranty is found to be unenforceable

with respect to any part of the dispute, the parts of the dispute as to which the waiver of class-action rights have been found unenforceable will be severed and will proceed in court without reference or application of this Arbitration Clause. Any remaining parts will proceed in arbitration.

OWNER NAME

ADDRESS OF INSTALLATION

CITY / STATE-PROVINCE / ZIP-POSTAL CODE

INSTALLER NAME

CITY / STATE-PROVINCE / ZIP-POSTAL CODE

PHONE # / FAX #

DISTRIBUTOR NAME

CITY / STATE-PROVINCE / ZIP-POSTAL CODE

PHONE # / FAX #

UNIT MODEL # & SERIAL #

UNIT DATE OF PURCHASE

Part No. PW-342D

1/2017

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AMANA® BRAND... Lasts and Lasts and Lasts

**RAC WINDOW TYPE H & C (AE, AH, PBC, PBE, PBH)**Who Is Providing The Warranty?

This warranty is provided to you by Goodman Company, L.P. ("Goodman"), which warrants all parts of this heating or air conditioning unit, as described below.

To What Type Of Installations Does This Warranty Apply?

This warranty applies to heating and air conditioning units installed in residences not occupied by the owner. Different warranties apply to units installed in owner-occupied residences and in commercial properties.

What Units Does This Warranty Not Cover?

This warranty does not apply to:

- Units that are installed outside the United States, its territories, or Canada.
- Units that are operated in incomplete structures.
- Units that are installed in buildings other than residences not occupied by the owner, such as non-residential buildings or owner-occupied residences.

What Problems Does This Warranty Cover?

This warranty covers defects in materials and workmanship that appear under normal use and maintenance.

What Problems Does This Warranty Not Cover?

Goodman is not responsible for:

- Damage caused by transportation or handling (any such damage must be immediately reported to the delivering carrier).
- Damage or repairs required as a consequence of faulty installation or application.
- Damage as a result of floods, fires, winds, lightning, accidents, corrosive atmosphere, installation in an environment containing corrosive chemical agents, or other conditions beyond Goodman's control.
- Damage or failure due to corrosion resulting from installation in a corrosive coastal environment, except for specific parts (condensor coils) which have been treated with factory applied corrosion protection on specified factory treated models sold as "Seacoast" models.
- Damage or the need for repairs arising from the use of components or accessories not compatible with this unit.

- Normal maintenance as described in the installation and operating manual.
- Parts or accessories not supplied or designated by the manufacturer.
- Damage or the need for repairs resulting from any improper use, maintenance, operation, or servicing.
- Damage or failure of the unit to start due to interruption in electrical service or inadequate electrical service.
- Any damage caused by frozen or broken water pipes in the event of equipment failure.
- Changes in the appearance of the unit that do not affect its performance.
- Replacement of fuses and replacement or resetting of circuit breakers or power cords.
- Damage or the need for repairs resulting from the use of unapproved refrigerant types or used or recycled refrigerant.
- Expedited freight charges, unless pre-approved in writing by Goodman.
- Handling charges to make a unit reasonably accessible for normal service.

**THIS WARRANTY IS PROVIDED IN LIEU OF ANY OTHER WARRANTIES, WHETHER BY GOODMAN OR ANY OF ITS AFFILIATES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.**

When Does Warranty Coverage Begin?

Warranty coverage begins on the "date of purchase". If the date the unit was purchased cannot be verified, the date of purchase is three months after the manufacture date. The first four digits of the serial number (YYMM) on the unit indicate the manufacture date. For example, a serial number beginning with "1306" indicates the unit was manufactured in June 2013.

How Long Does Warranty Coverage Last and What Will Goodman Do To Correct Problems?

**FIRST-YEAR COVERAGE (ENTIRE UNIT):** We will repair or replace, free of charge (to include labor), any part of a unit that proves to be defective due to workmanship or materials within the first year after the date of purchase.

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AMANA® BRAND... Lasts and Lasts and Lasts®

## RAC WINDOW TYPE H & C (AE, AH, PBC, PBE, PBH)

### SECOND THROUGH FIFTH YEARS SEALED SYSTEM COVERAGE:

During the 2nd through 5th years after the date of purchase, we will repair (to include labor) any refrigerant leaks caused by defects in workmanship or material of a unit, and will repair or replace (to include labor) any portion of the evaporator coil, condenser coil, compressor, reversing valves or connecting tubing that proves to be defective in workmanship or materials.

The repair or replacement of a part under this warranty does not extend the warranty period. In other words, Goodman warrants a repaired or replacement part only for the period remaining in the applicable warranty that commenced on the date of purchase.

THE OWNER AGREES THAT THESE REMEDIES ARE THE OWNER'S EXCLUSIVE REMEDIES FOR BREACH OF ALL WARRANTIES.

### What Won't Goodman Do To Correct Problems?

Goodman will not pay for:

- Except as specifically described in the "How Long Does Warranty Coverage Last and What Will Goodman Do To Correct Problems?" section above, labor, freight, or any other cost associated with the service, repair, or operation of the unit.
- Electricity or fuel costs, or increases in electricity or fuel costs, for any reason, including additional or unusual use of supplemental electric heat.
- Lodging or transportation charges.

**WHETHER ANY CLAIM IS BASED ON NEGLIGENCE OR OTHER TORT, BREACH OF WARRANTY OR OTHER BREACH OF CONTRACT, OR ANY OTHER THEORY, NEITHER GOODMAN NOR ANY OF ITS AFFILIATES SHALL IN ANY EVENT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO LOST PROFITS, LOSS OF USE OF A UNIT, EXTRA UTILITY EXPENSES, OR DAMAGES TO PROPERTY.**

### How Can The Owner Receive Warranty Service?

If there is a problem with the unit, contact an authorized Amana brand servicer. For warranty credit for labor covered by this warranty, the labor must be performed by an authorized Amana brand servicer. Proven defective parts (if required to be returned) must be returned to point of purchase. For more information about the warranty or to locate an autho-

rized Amana brand servicer, contact Technical Services at 1-877-376-0214 (option 2) inside U.S.A. and Canada or 1-931-433-6101 outside U.S.A. and Canada or write to Technical Services, 1810 Wilson Parkway, Fayetteville, TN 37334.

### Where Can Any Legal Remedies Be Pursued?


ARBITRATION CLAUSE. IMPORTANT. PLEASE REVIEW THIS ARBITRATION CLAUSE. IT AFFECTS YOUR LEGAL RIGHTS.

1. *Parties:* This arbitration clause affects your rights against Goodman and any of its affiliates or employees or agents, successors, or assigns, all of whom together are referred to below as "we" or "us" for ease of reference.
2. **ARBITRATION REQUIREMENT:** EXCEPT AS STATED BELOW, ANY DISPUTE BETWEEN YOU AND ANY OF US SHALL BE DECIDED BY NEUTRAL, BINDING ARBITRATION RATHER THAN IN COURT OR BY JURY TRIAL. "Dispute" will be given the broadest possible meaning allowable by law. It includes any dispute, claim, or controversy arising from or relating to your purchase of this heating or air conditioning unit, any warranty upon the unit, or the unit's condition. It also includes determination of the scope or applicability of this Arbitration Clause. The arbitration requirement applies to claims in contract and tort, pursuant to statute, or otherwise.
3. **CLASS-ARBITRATION WAIVER:** ARBITRATION IS HANDLED ON AN INDIVIDUAL BASIS. IF A DISPUTE IS ARBITRATED, YOU AND WE EXPRESSLY WAIVE ANY RIGHT TO PARTICIPATE AS A CLASS REPRESENTATIVE OR CLASS MEMBER ON ANY CLASS CLAIM YOU MAY HAVE AGAINST US OR WE AGAINST YOU, OR AS A PRIVATE ATTORNEY GENERAL OR IN ANY OTHER REPRESENTATIVE CAPACITY. YOU AND WE ALSO WAIVE ANY RIGHT TO CLASS ARBITRATION OR ANY CONSOLIDATION OF INDIVIDUAL ARBITRATIONS.
4. *Discovery and Other Rights:* Discovery and rights to appeal in arbitration are generally more limited than in a lawsuit. This applies to both you and us. Other rights that you or we would have in court may not be available in arbitration. Please read this Arbitration Clause and consult the rules of the arbitration organizations listed below for more information.

Part No. PW-342D

1/2017

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AMANA® BRAND... Lasts and Lasts and Lasts

## RAC WINDOW TYPE H & C (AE, AH, PBC, PBE, PBH)

5. **SMALL CLAIMS COURT OPTION:** YOU MAY CHOOSE TO LITIGATE ANY DISPUTE BETWEEN YOU AND ANY OF US IN SMALL CLAIMS COURT, RATHER THAN IN ARBITRATION, IF THE DISPUTE MEETS ALL REQUIREMENTS TO BE HEARD IN SMALL CLAIMS COURT.
6. **Governing Law:** For residents of the United States, the procedures and effect of the arbitration will be governed by the Federal Arbitration Act (9 U.S.C. § 1 et seq.) rather than by state law concerning arbitration. For residents of Canada, the procedures and effect of the arbitration will be governed by the applicable arbitration law of the province in which you purchased your unit. The law governing your substantive warranty rights and other claims will be the law of the state or province in which you purchased your unit. Any court having jurisdiction may enter judgment on the arbitration award.
7. **Rules of the Arbitration:** If the amount in controversy is less than \$250,000, the arbitration will be decided by a single arbitrator. If the amount in controversy is greater than or equal to \$250,000, the arbitration will be decided by a panel of three arbitrators. The arbitrator(s) will be chosen pursuant to the rules of the administering arbitration organization. United States residents may choose the American Arbitration Association (1633 Broadway, 10<sup>th</sup> Floor, New York, NY 10019, [www.adr.org](http://www.adr.org)), JAMS (1920 Main Street, Ste. 300, Irvine, CA 92614, [www.jamsadr.com](http://www.jamsadr.com)), or, subject to our approval, any other arbitration organization. In addition, Canadian residents may choose the ADR Institute of Canada (234 Eglinton Ave. East, Suite 405, Toronto, Ontario, M4P 1K5, [www.amic.org](http://www.amic.org)). These organizations' rules can be obtained by contacting the organization or visiting its website. If the chosen arbitration organization's rules conflict with this Arbitration Clause, the provisions of this Arbitration Clause control. The award of the arbitrator(s) shall be final and binding on all parties.
8. **Location of the Arbitration Hearing:** Unless applicable law provides otherwise, the arbitration hearing for United States residents will be conducted in the federal judicial district in which you reside or, for Canadian residents, in the province in which you reside.
9. **Costs of the Arbitration:** Each party is responsible for its own attorney, expert, and other fees unless applicable law requires otherwise. Goodman will pay your share of the fees charged by the arbitration organization and arbitrator(s) beyond the first \$200. Where permissible

by law, you may be required to reimburse Goodman for the fees of the arbitration organization and arbitrator(s) in whole or in part by decision of the arbitrator(s) at the discretion of the arbitrator(s).

10. **Survival and Enforceability of this Arbitration Clause:** This Arbitration Clause shall survive the expiration or termination, or any transfer, of the warranty on your unit. If any part of this Arbitration Clause, except waivers of class-action rights, is found to be unenforceable for any reason, the remainder of this clause and the warranty shall remain enforceable. If, in a case in which class-action allegations have been made, the waiver of class-action rights under this warranty is found to be unenforceable with respect to any part of the dispute, the parts of the dispute as to which the waiver of class-action rights have been found unenforceable will be severed and will proceed in court without reference or application of this Arbitration.

OWNER NAME

ADDRESS OF INSTALLATION

CITY / STATE-PROVINCE / ZIP-POSTAL CODE

INSTALLER NAME

CITY / STATE-PROVINCE / ZIP-POSTAL CODE

PHONE # / FAX #

DISTRIBUTOR NAME

CITY / STATE-PROVINCE / ZIP-POSTAL CODE

PHONE # / FAX #

UNIT MODEL # & SERIAL #

UNIT DATE OF PURCHASE

Part No. PW-342D

1/2017

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## RAC WINDOW TYPE H & C (AE, AH, PBC, PBE, PBH)

### Who Is Providing The Warranty?

This warranty is provided to you by Goodman Company, L.P. ("Goodman"), which warrants all parts of this heating or air conditioning unit, as described below.

### To What Type Of Installations Does This Warranty Apply?

This warranty applies to heating and air conditioning units installed in buildings other than residences. Different warranties apply to units installed in owner-occupied residences and in residences not occupied by the owner.

### What Units Does This Warranty Not Cover?

This warranty does not apply to:

- Units that are installed outside the United States, its territories, or Canada.
- Units that are operated in incomplete structures.
- Units that are installed in residential buildings.

### What Problems Does This Warranty Cover?

This warranty covers defects in materials and workmanship that appear under normal use and maintenance.

### What Problems Does This Warranty Not Cover?

Goodman is not responsible for:

- Damage caused by transportation or handling (any such damage must be immediately reported to the delivering carrier).
- Damage or repairs required as a consequence of faulty installation or application.
- Damage as a result of floods, fires, winds, lightning, accidents, corrosive atmosphere, installation in an environment containing corrosive chemical agents, or other conditions beyond Goodman's control.
- Damage or failure due to corrosion resulting from installation in a corrosive coastal environment, except for specific parts (condensor coils) which have been treated with factory applied corrosion protection on specified factory treated models sold as "Seacoast" models.
- Damage or the need for repairs arising from the use of components or accessories not compatible with this unit.
- Normal maintenance as described in the installation and operating manual.

- Parts or accessories not supplied or designated by the manufacturer.
- Damage or the need for repairs resulting from any improper use, maintenance, operation, or servicing.
- Damage or failure of the unit to start due to interruption in electrical service or inadequate electrical service.
- Any damage caused by frozen or broken water pipes in the event of equipment failure.
- Changes in the appearance of the unit that do not affect its performance.
- Replacement of fuses and replacement or resetting of circuit breakers or power cords.
- Damage or the need for repairs resulting from the use of unapproved refrigerant types or used or recycled refrigerant.
- Expedited freight charges, unless pre-approved in writing by Goodman.
- Handling charges to make a unit reasonably accessible for normal service.

**THIS WARRANTY IS PROVIDED IN LIEU OF ANY OTHER WARRANTIES, WHETHER BY GOODMAN OR ANY OF ITS AFFILIATES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.**

### When Does Warranty Coverage Begin?

Warranty coverage begins on the "date of purchase". If the date the unit was purchased cannot be verified, the date of purchase is three months after the manufacture date. The first four digits of the serial number (YYMM) on the unit indicate the manufacture date. For example, a serial number beginning with "1306" indicates the unit was manufactured in June 2013.


### How Long Does Warranty Coverage Last and What Will Goodman Do To Correct Problems?

**FIRST-YEAR COVERAGE (ENTIRE UNIT):** We will repair or replace, free of charge (to include labor), any part of a unit that proves to be defective due to workmanship or materials within the first year after the date of purchase.

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AMANA® BRAND... Lasts and Lasts and Lasts



## RAC WINDOW TYPE H & C (AE, AH, PBC, PBE, PBH)

### SECOND THROUGH FIFTH YEARS SEALED SYSTEM COVERAGE:

During the 2nd through 5th years after the date of purchase, we will repair (to include labor) any refrigerant leaks caused by defects in workmanship or material of a unit, and will repair or replace (to include labor) any portion of the evaporator coil, condenser coil, compressor, reversing valves or connecting tubing that proves to be defective in workmanship or materials.

The repair or replacement of a part under this warranty does not extend the warranty period. In other words, Goodman warrants a repaired or replacement part only for the period remaining in the applicable warranty that commenced on the date of purchase.

THE OWNER AGREES THAT THESE REMEDIES ARE THE OWNER'S EXCLUSIVE REMEDIES FOR BREACH OF ALL WARRANTIES.

### What Won't Goodman Do To Correct Problems?

Goodman will not pay for:

- Except as specifically described in the "How Long Does Warranty Coverage Last and What Will Goodman Do To Correct Problems?" section above, labor, freight, or any other cost associated with the service, repair, or operation of the unit.
- Electricity or fuel costs, or increases in electricity or fuel costs, for any reason, including additional or unusual use of supplemental electric heat.
- Lodging or transportation charges.

WHETHER ANY CLAIM IS BASED ON NEGLIGENCE OR OTHER TORT, BREACH OF WARRANTY OR OTHER BREACH OF CONTRACT, OR ANY OTHER THEORY, NEITHER GOODMAN NOR ANY OF ITS AFFILIATES SHALL IN ANY EVENT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO LOST PROFITS, LOSS OF USE OF A UNIT, EXTRA UTILITY EXPENSES, OR DAMAGES TO PROPERTY.

### How Can The Owner Receive Warranty Service?

If there is a problem with the unit, contact an authorized Amana brand servicer. For warranty credit for labor covered by this warranty, the labor must be performed by an authorized Amana brand servicer. Proven defective parts (if required to be returned) must be returned to point of purchase. For

more information about the warranty or to locate an authorized Amana brand servicer, contact Technical Services at 1-877-376-0214 (option 2) inside U.S.A. and Canada or 1-931-433-6101 outside U.S.A. and Canada or write to Technical Services, 1810 Wilson Parkway, Fayetteville, TN 37334.

### Where Can Any Legal Remedies Be Pursued?

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1. *Parties:* This arbitration clause affects your rights against Goodman and any of its affiliates or employees or agents, successors, or assigns, all of whom together are referred to below as "we" or "us" for ease of reference.
2. **ARBITRATION REQUIREMENT: EXCEPT AS STATED BELOW, ANY DISPUTE BETWEEN YOU AND ANY OF US SHALL BE DECIDED BY NEUTRAL, BINDING ARBITRATION RATHER THAN IN COURT OR BY JURY TRIAL.** "Dispute" will be given the broadest possible meaning allowable by law. It includes any dispute, claim, or controversy arising from or relating to your purchase of this heating or air conditioning unit, any warranty upon the unit, or the unit's condition. It also includes determination of the scope or applicability of this Arbitration Clause. The arbitration requirement applies to claims in contract and tort, pursuant to statute, or otherwise.
3. **CLASS-ARBITRATION WAIVER: ARBITRATION IS HANDLED ON AN INDIVIDUAL BASIS. IF A DISPUTE IS ARBITRATED, YOU AND WE EXPRESSLY WAIVE ANY RIGHT TO PARTICIPATE AS A CLASS REPRESENTATIVE OR CLASS MEMBER ON ANY CLASS CLAIM YOU MAY HAVE AGAINST US OR WE AGAINST YOU, OR AS A PRIVATE ATTORNEY GENERAL OR IN ANY OTHER REPRESENTATIVE CAPACITY. YOU AND WE ALSO WAIVE ANY RIGHT TO CLASS ARBITRATION OR ANY CONSOLIDATION OF INDIVIDUAL ARBITRATIONS.**
4. *Discovery and Other Rights:* Discovery and rights to appeal in arbitration are generally more limited than in a lawsuit. This applies to both you and us. Other rights that you or we would have in court may not be available in arbitration. Please read this Arbitration Clause and consult the rules of the arbitration organizations listed below for more information.

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## RAC WINDOW TYPE H & C (AE, AH, PBC, PBE, PBH)

5. **SMALL CLAIMS COURT OPTION:** YOU MAY CHOOSE TO LITIGATE ANY DISPUTE BETWEEN YOU AND ANY OF US IN SMALL CLAIMS COURT, RATHER THAN IN ARBITRATION, IF THE DISPUTE MEETS ALL REQUIREMENTS TO BE HEARD IN SMALL CLAIMS COURT.
6. **Governing Law:** For residents of the United States, the procedures and effect of the arbitration will be governed by the Federal Arbitration Act (9 U.S.C. § 1 et seq.) rather than by state law concerning arbitration. For residents of Canada, the procedures and effect of the arbitration will be governed by the applicable arbitration law of the province in which you purchased your unit. The law governing your substantive warranty rights and other claims will be the law of the state or province in which you purchased your unit. Any court having jurisdiction may enter judgment on the arbitration award.
7. **Rules of the Arbitration:** If the amount in controversy is less than \$250,000, the arbitration will be decided by a single arbitrator. If the amount in controversy is greater than or equal to \$250,000, the arbitration will be decided by a panel of three arbitrators. The arbitrator(s) will be chosen pursuant to the rules of the administering arbitration organization. United States residents may choose the American Arbitration Association (1633 Broadway, 10<sup>th</sup> Floor, New York, NY 10019, [www.adr.org](http://www.adr.org)), JAMS (1920 Main Street, Ste. 300, Irvine, CA 92614, [www.jamsadr.com](http://www.jamsadr.com)), or, subject to our approval, any other arbitration organization. In addition, Canadian residents may choose the ADR Institute of Canada (234 Eglinton Ave. East, Suite 405, Toronto, Ontario, M4P 1K5, [www.amic.org](http://www.amic.org)). These organizations' rules can be obtained by contacting the organization or visiting its website. If the chosen arbitration organization's rules conflict with this Arbitration Clause, the provisions of this Arbitration Clause control. The award of the arbitrator(s) shall be final and binding on all parties.
8. **Location of the Arbitration Hearing:** Unless applicable law provides otherwise, the arbitration hearing for United States residents will be conducted in the federal judicial district in which you reside or, for Canadian residents, in the province in which you reside.
9. **Costs of the Arbitration:** Each party is responsible for its own attorney, expert, and other fees unless applicable law requires otherwise. Goodman will pay your share of the fees charged by the arbitration organization and

arbitrator(s) beyond the first \$200. Where permissible by law, you may be required to reimburse Goodman for the fees of the arbitration organization and arbitrator(s) in whole or in part by decision of the arbitrator(s) at the discretion of the arbitrator(s).

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OWNER NAME

ADDRESS OF INSTALLATION

CITY / STATE-PROVINCE / ZIP-POSTAL CODE

INSTALLER NAME

CITY / STATE-PROVINCE / ZIP-POSTAL CODE

PHONE # / FAX #

DISTRIBUTOR NAME

CITY / STATE-PROVINCE / ZIP-POSTAL CODE

PHONE # / FAX #

UNIT MODEL # & SERIAL #

UNIT DATE OF PURCHASE

Part No. PW-342D  
1/2017

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