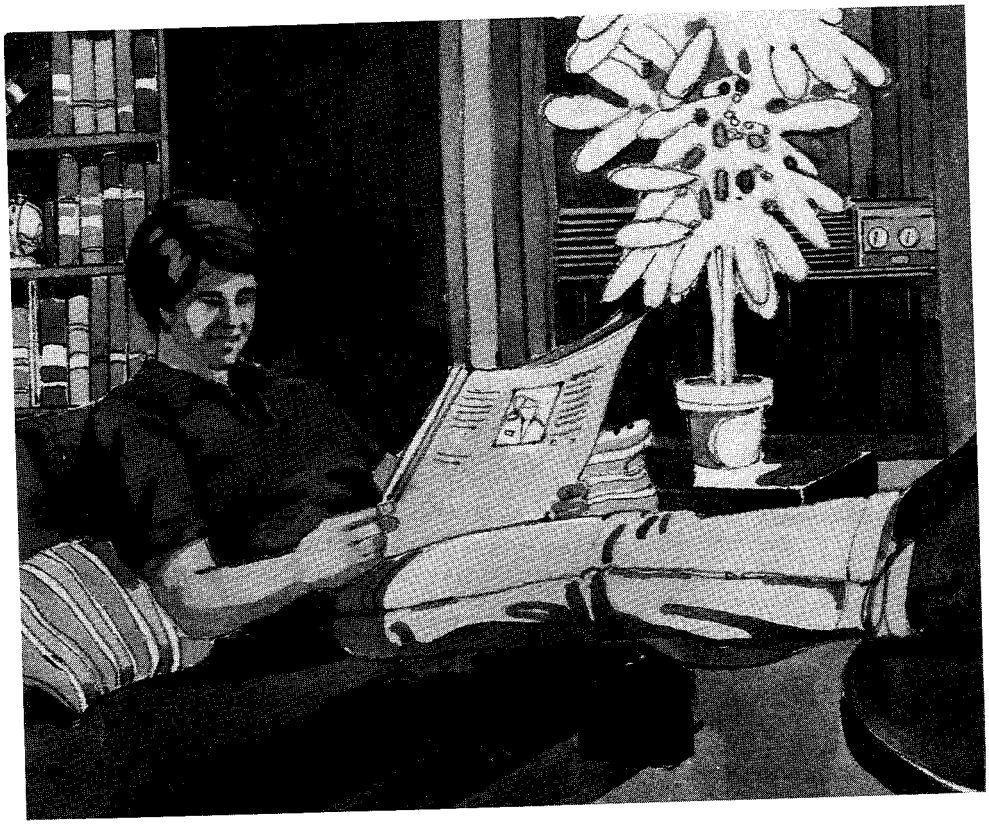
ES 692 MR
ES 6P2 MR

Amana®

Room Air Conditioner Owner's Manual



Read this manual carefully before operating your room air conditioner. Keep these instructions in a safe place for future reference.

1. INTRODUCTION Read carefully and completely

This room air conditioner will cool, dehumidify and filter the air inside your home. Many units will also exhaust stale air and provide fresh air. Heat/cool units will provide efficient heating in addition to cooling.

Sections 1 through 7 of this manual give you general operating instructions, installation and maintenance instructions for your room air conditioner. These general instructions apply to all models, please read them carefully. Sections 8 and 9 provide specific instructions, including special features and controls for each model. After reading sections 1 through 7, turn to section 8 or 9 to find instructions for the model with controls like the unit you have purchased.

2. UNPACKING

Unpack and visually inspect the unit. Report any damage to the delivering carrier immediately. Remove and discard all packing material. On some models the air conditioner front and a mounting kit may be packaged separately.

Record the model, serial and manufacturing numbers of your unit in the space provided on page 1. This information is found on a nameplate visible after the front of the air conditioner has been removed. The voltage, amperage, and capacity of the unit are also recorded 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 the date purchased and the selling dealer on page 1.

3. ELECTRICAL REQUIREMENTS

Be sure that the electrical power supplied to the unit matches the electrical requirements shown on the unit nameplate. A licensed electrician or qualified service person who is familiar with local electric codes should be consulted with regard appropriate electrical wiring for the conditioner. This will ensure that the w ing is of the proper size and that tl voltage is correct for operation of the conditioner. 230/208 volt models are ba ed on operation from 253 to 197 volt

Models marked "Use on Single Outl Circuit Only" should not be plugged in a circuit with another appliance or lig fixture. Fuse ratings must be accordi to the fuse instruction label on the un Time delay fuses are recommended. prevent blowing fuses, wait two minut after turning the unit off before turning on again.

This air conditioner is equipped with three-prong grounding plug for your pr tection against possible shock hazarc Where a two-prong receptacle is e countered, it is the personal responsibil and obligation of the owner to contact qualified electrician and have it replac with a properly grounded three-pro receptacle in accordance with the N tional Electrical Code and/or local code **The use of an extension cord is n recommended.**

Where a two-prong adaptor is requir temporarily, it is the personal responsib ty and obligation of the owner to conta a qualified electrician and have the ada tor properly grounded and polarized.

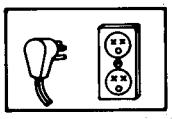
DO NOT UNDER ANY CI CUMSTANCES CUT OR REMOVE TH ROUND GROUNDING PRONG FRC THE PLUG.

Receptacle configuration:

Receptacle configuration:
125V. 15A.
Used on all 115V. models.

250V. 15A.
Used on 230/208V. models rated 12 amperes or less.

250V. 20A. Used on 230/208V. models rated over 12 Amperes but not more than 16 Amperes.



4. INSTALLATION

These room air conditioners are made for one of three types of installation.

Instant Mount Kit. Many units come with the Instant Mount kit attached to the unit. Fold out wings on these units make them quick and easy to install.

Standard Mount Kit. Larger units feature a separate standard mounting kit. These units are of slide-out chassis design. This means you can install the outercase in the window first, then slide the chassis in place. These units may also be installed through the wall, providing the side louvers are left unobstructed.

No Mount Kit. These units are designed to be permanently installed through the wall. They can be adapted to window installation by purchasing an optional mounting kit.

Complete installation instructions are furnished with each unit or mounting kit.

Drain plug. In areas where extreme high humidity is encountered, it may be desirable to attach a condensation drain to your unit. Most models contain a drain outlet which is sealed at the time of shipment. The rubber grommet which seals the drain may be punctured and a drain tube inserted.

During winter operation of heat pump units, the condensation drain will help ensure maximum operating efficiency. During winter heat pump operation, water enters the base pan as a result of defrosting of the outside coil. The drain will remove this water, helping the unit deliver rated heating capacity. A drain tube must be installed if the unit will be operated at temperatures below 32°F (0°C).

5. ROOM HEAT PUMPS

Heat pumps work by pumping heat instead of creating it. In the summer, the cool indoor coil absorbs heat from your room and pumps it outdoors, providing comfortable cooling. In the winter, heat pumps reverse operation. Even on cool days there is heat in the air. By lowering the temperature of the outdoor coil below the outdoor temperature, the heat pump absorbs heat from outdoors and pumps it inside your house. This heat transferring process is very efficient. For example, at 45°F outdoor temperature, a heat pump can provide 2-1/2 watts of heat for every watt of electricity it consumes.

In order to transfer heat, the outdoor coil must be colder than the outdoor temperature. As temperatures drop, the heating capacity and efficiency of the heat pump declines. At temperatures below 40°F, it is likely that ice will form on the outdoor coil. These heat pump units may have one of two different designs:

1. 115 volt models are designed with no auxiliary heat. Minimum operating temperature is 32°F.
2. 230 volt models with auxiliary electric heat operate as a heat pump above approximately 40°F. Below 40°F, the electric heater provides all heat. No defrost is required. There is no minimum operating temperature.

See Section 9 for specific details on the model you have purchased.

6. NORMAL CARE AND MAINTENANCE

Front grille. On portable units the front grille contains a removable insert that provides access to the air filter. On other units, the front grille is attached to the outercase by two coinhead screws, one at each end of the grille. The grille and cabinet may be cleaned with a mild soap or detergent. Cleaning or polishing compounds are not recommended, as they may damage plastic surfaces.

Air filter. Each unit is equipped with a permanent, removable air filter. Instructed in Sections 8 and 9. The filter should be inspected at regular intervals. It can be cleaned with a vacuum cleaner or washed in a mild detergent. The filter should be thoroughly dried before it is replaced. Do not operate the unit without a filter.

Tilting air discharge chamber. On many units the air discharge chamber tilts to provide a maximum 30° upward air discharge. In addition, some units have air flow deflectors which allow you to divert the air from a center flow to the left or right.

Fan motor. The fan motor is permanently lubricated. However, there are oiler ports on most models. Periodic oiling will extend the operating life. Caution: Do not over oil.

Annual Inspection. It is suggested that your unit be inspected by your dealer or servicer once a year. If it is operated in a dusty climate, it is advisable to have the outercase removed and the unit thoroughly cleaned.

Ocean-side or corrosive atmosphere. The life 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. The use of an algicide tablet is suggested in humid areas where algae formation is common.

7. OPERATION AND CONTROLS

The operation and controls of all units are very similar, however, they do vary slightly from model to model. Refer to the page in Section 8 or 9 that shows the control panel of the unit you have purchased.

Your unit will have some or all of the following controls and settings:

Fan Control

FAN ONLY—Fan circulates room air for comfort without cooling or heating.
COOL—Cools, dehumidifies, filters and circulates room air.
running continuously on high speed.
NORM COOL—Cools, dehumidifies, filters and circulates room air with the fan running continuously on normal speed.
LO or LO COOL—Cools, dehumdifies, filters and circulates room air with the fan running continuously on low speed.
HI HEAT—Heats, filters and circulates room air with the indoor fan on high speed.
LO HEAT—Heats, filters and circulates room air with the indoor fan on low speed.

Energy Saver Settings. Many models feature Energy Saver settings on the fan control. Normally, the indoor fan runs continuously when the unit is on. To reduce power consumption and save electricity, simply set the fan control in any of the Energy Saver settings. The indoor fan will then run only when the compressor runs. The Fan Control Energy Saver should not be confused with the Thermostat Economy Settings explained below.

Thermostat Control

Controls cooling or heating operation by cycling compressor or heater on and off. Easy-to-read dial is numbered from 1 to 8. Turn clockwise toward higher number for cooler temperature. Turn counter clockwise toward lower number for warmer temperature.

On two-speed heat pump models, the thermostat does not switch the unit from one function to the other. On these models the thermostat only cycles the unit on and off as needed to maintain the preset temperature. To switch two-speed units from cooling to heating, you must change the Fan Control setting.

Economy Settings. On some models, the thermostat has a range of settings indicated as Economy Settings. This range serves as a visual reminder that setting the thermostat at a lower number can reduce energy consumption. The Thermostat Economy Settings should not be confused with the Fan Control Energy Saver explained above. Setting the thermostat at the coldest or warmest extremes of the thermostat range will not cool or heat the room any faster.

When the unit is first turned on, set the thermostat at the center of its range.

Allow several hours for the room temperature to equalize, then adjust the thermostat as necessary.

Air Control

Many units feature some or all of these Air Controls:

EXHAUST—Exhausts and circulates room air. Fan Control can be placed at any setting.
NORMAL—Exhaust damper is closed. Unit circulates indoor air only.
FRESH AIR—Mixes outdoor air with indoor air. Fan Control can be placed at any setting.
OPEN—Exhausts and circulates room air. Fan Control can be placed at any setting.
CLOSE—Exhaust damper is closed. Unit circulates indoor air only.

8. COOLING UNITS

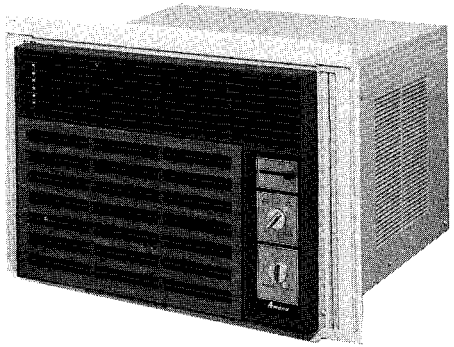
Amana Portable Series

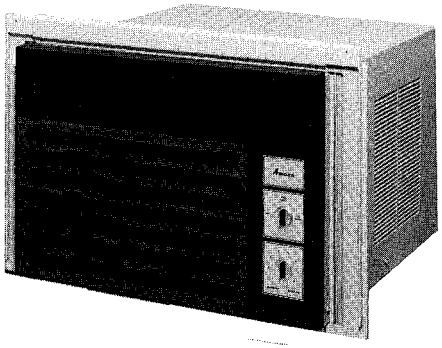
Operation. The upper dial is the Fan Control. The lower dial is the Thermostat Control. Portable units are available in both one and two-speed models. Some models have a sliding vent control at the top of the control panel. Depending on the model selected, one of the controls illustrated will match your unit. Refer to Section 7 for an explanation of control settings.

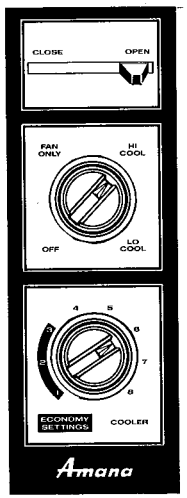
Front Grille and Air Filter. Portable units feature a front grille with a removable insert that permits access to the air filter. The insert can be removed by grasping the front grille at the bottom center, lifting and pulling the insert out. The permanent foam air filter may be removed for cleaning as explained in Section 5.

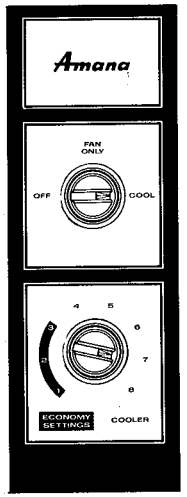
Electrical Connections. All portable models feature 115 volt operation. Models that draw 7.5 amps or less can be plugged into multiple outlet circuits where local electrical codes permit. Refer to the unit nameplate and Section 3 of this owner's manual for complete electrical requirements.

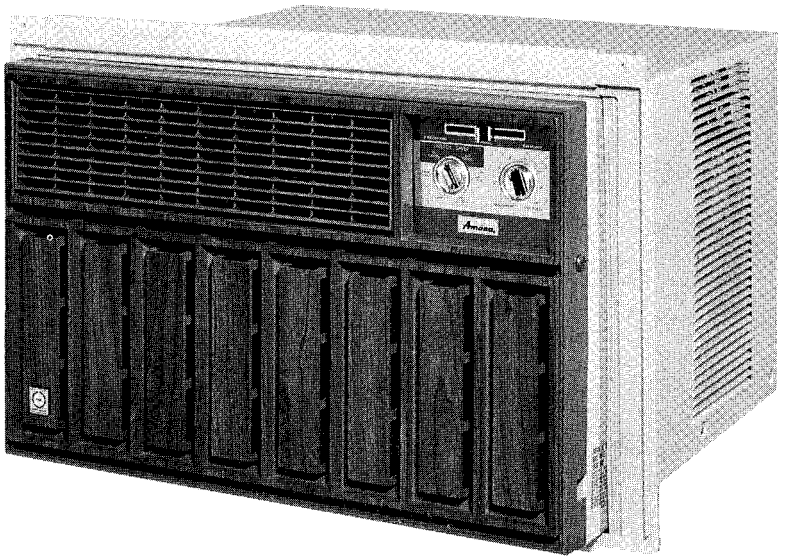
Mounting. Portable units come with the attached Instant Mount kit. See Section 4 and separate installation instructions for complete information.











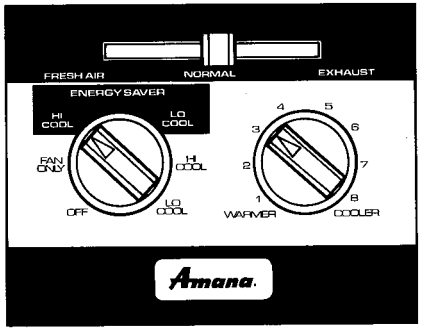
Amana Scot Series

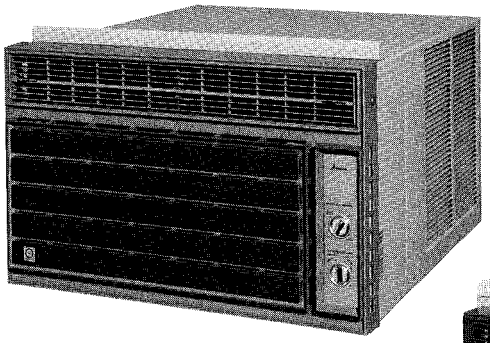
Operation. The dial on the left is the Fan Control. The dial on the right is the Thermostat Control. The sliding control above the dials is the Air Control. Refer to Section 7 for a complete explanation of control settings.

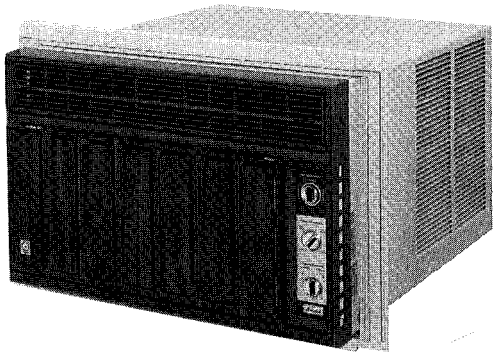
Front Grille and Air Filter. The front grille of these units is attached to the outercase by coinhead screws, one at each end of the grille. The front grille may be removed by removing these screws. The air filter is attached to the back of the front grille. It is held in place by a large elastic band that makes a figure "8" over the back of the filter. Clean filter as explained in Section 5.

Electrical Connections. These models feature 115 volt operation. Models that draw 7.5 amps or less can be plugged into multiple outlet circuits where local codes permit. Refer to the unit nameplate and Section 3 of this owner's manual for complete electrical requirements.

Mounting. These units feature the attached Instant Mount kit. See Section 4 and separate installation instructions for complete information.







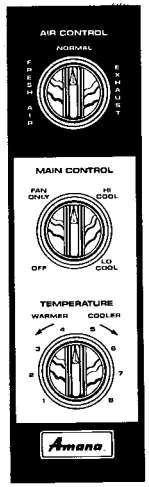
Amana 200 Series

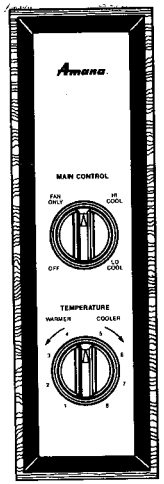
Operation. The upper dial is the air control. The center dial is the Fan Control. The lower dial is the thermostat. Refer to Section 7 for a complete explanation of control settings.

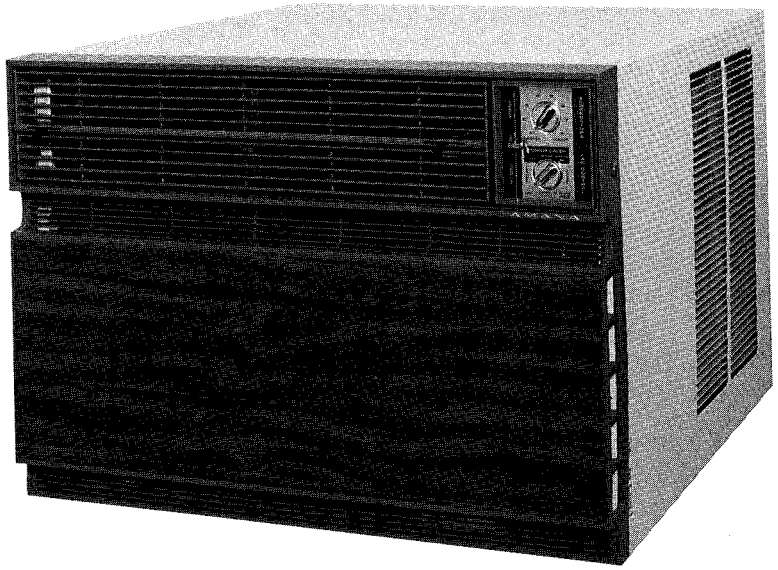
Front Grille and Air Filter. The front grille of these units is attached to the outercase by coinhead screws, one at each end of the grille. The front grille may be removed by removing these screws. The permanently framed filter fits in two vertical channels on the front of the air conditioner, behind the front grille. To remove, grasp the top and bottom edges near the middle of the filter and pull out. To replace, insert the left edge in the channel, bow slightly, and slip the right edge into the other channel. Clean as explained in Section 5.

Electrical Connections. These units are available in both 115 volt and 230/208 volt models. Refer to the unit nameplate and Section 3 of this owner's manual for complete electrical requirements.

Mounting. These units may have either the attached Instant Mount kit or separate standard mounting kit. See Section 4 and separate installation instructions for com-







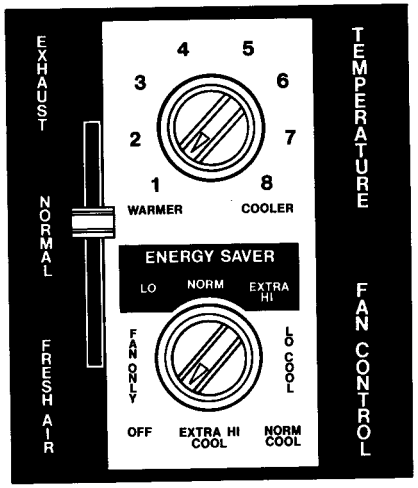
Amana 600 Series

Operation. The upper dial is the Thermostat Control. The lower dial is the Fan Control. The sliding control to the left is the Air Control. Refer to Section 7 for an explanation of control settings.

Front Grille and Air Filter. The front grille of these units is attached to the outercase by coinhead screws, one at each end of the grille. The front grille may be removed by removing these screws. The permanently framed filter fits in two vertical channels on the front of the air conditioner, behind the front grille. To remove, grasp the top and bottom edges near the middle of the filter and pull out. To replace, insert the left edge in the channel, bow slightly, and slip the right edge into the other channel. Clean as explained in Section 5.

Electrical Connections. These units operate on 230/208 volts. Refer to the unit nameplate and Section 3 of this owner's manual for complete electrical requirements.

Mounting. These units come with a separate standard mounting kit. See Section 4 and separate installation instructions for complete information.



9. HEAT/COOL UNITS

Amana 100 Series Heat Pumps

Read Section 5 about heat pumps.

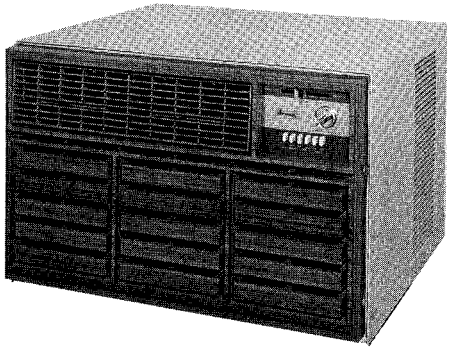
Operation. The push button switches are the Fan Control. The dial control is the Thermostat. The sliding control is the Air Control. Refer to Section 7 for a complete explanation of control settings.

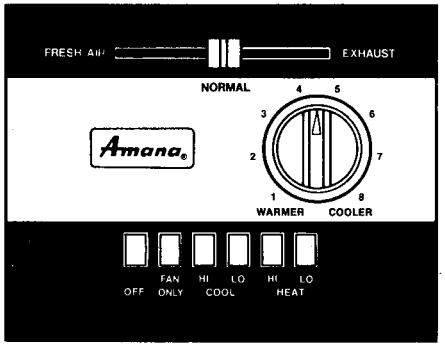
Front Grille and Air Filter. The front grille of these units is attached to the outercase by coinhead screws, one at each end of the grille. The front grille may be removed by removing these screws. The air filter is attached to the back of the front grille. It is held in place by a large elastic band that makes a figure "8" over the back of the filter. Clean filter as explained in Section 5.

Electrical Connections. These units are available in both 115 volt and 230/208 volt models. Refer to the unit nameplate and Section 3 of this owner's manual for complete electrical requirements.

Mounting. These models are designed for through the wall installation. They can be adapted to window installation by purchasing an optional mounting kit. See Section 4 and separate installation instructions for complete information.

Heating Operation. The 115 volt model is a reverse cycle heat pump only, without auxiliary electric heat or automatic defrosting. Therefore, it is recommended only for operation down to 32°F. The 230/208 volt model switches automatically from reverse cycle heat pump operation to auxillary electric heating at approximately 40°F. Therefore, there is no minimum operating temperature.





200 Series Heat Pumps

Read Section 5 about heat pumps.

Operation. The push button switches are the Fan Control. The upper dial control is the Air Control. The lower dial control is the Thermostat. Refer to Section 7 for a complete explanation of control settings.

Front Grille and Air Filter. The front grille of these units is attached to the outercase by coinhead screws, one at each end of the grille. The front grille may be removed by removing these screws. The permanently framed filter fits in two vertical channels on the front of the air conditioner, behind the front grille. To remove, grasp the top and bottom edges near the middle of the filter and pull out. To replace, insert the left edge in the channel, bow slightly, and slip the right edge into the other channel. Clean as explained in Section 5.

Electrical Connections. These units operate on 230/208 volts. Refer to the unit nameplate and Section 3 of this owner's manual for complete electrical requirements.

Mounting. These units can be built in through the wall or installed in the window with the standard mounting kit included with some models or available as an option on other models. See Section 4 and separate installation instructions for complete information.

Heating Operation. These models feature reverse cycle heat pump operation with auxiliary electric heat. At approximately 40°F they switch to electric heat and therefore have no minimum operating temperature. In order to provide heating, the Fan Control must be set on one of the heating settings.