OWNER'S MANUAL

ARP-2412
PORTABLE AIR CONDITIONER

ARP-2412

PORTABLE AIR CONDITIONER
ACONDICIONADOR DE AIRE PORTÁTIL
CONDITIONNEUR D’AIR PORTABLE

Read and retain these instructions for future reference.

For any Customer Support needs, please choose the Support tab on www.royalsovereign.com

Royal Centurian Inc.
PORTABLE AIR CONDITIONER
Model ARP-2412

INTRODUCTION
Thank you for choosing Royal Sovereign to provide you and your family with all of the "Home Comfort" requirements for your home, apartment, or office. This Portable Air Conditioner can be set-up in just minutes and can be easily moved from room to room. It is a multi-functional room air comfort system that offers you Air Conditioning, Dehumidification and Air Circulation modes. This manual will provide you with valuable information necessary for the proper care and maintenance for your new appliance. Please take a few moments and read the instructions thoroughly. If properly maintained, your appliance will give you many years of troublefree operation.
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PRECAUTIONS FOR USE

IMPORTANT SAFETY INSTRUCTIONS
This equipment must not be used in an area where combustible material are stored. Never operate or store gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

PRECAUTIONS
To reduce the risk of fire, electrical shock, or injury to persons when using your air conditioner, follow basic precaution, including the following:
• Be sure the electrical power source is adequate for the model. This information can be found on the rating label which is located on the back of the unit.
• Be sure the air conditioner has been securely and correctly installed according to the installation instructions provided with this manual. Save this manual for possible future use in removing, storing or reinstalling this unit.
• When handling the air conditioner, be careful to avoid cuts from sharp metal fins on front and rear coils.
• Avoid air inlet and outlet grills from being covered or closed off.
• Never insert your fingers or any foreign objects into the air outlet. Take special care to warn children of these dangers.
• Use the unit in rooms of a suitable size and always remember that areas of high heat gain such as conservatories and sun lounges require up to four times the cooling power of conventional rooms.
• Close the fireplace damper floor and wall registers to avoid cool air escape up the chimney and into the duct work.
• Clean the air filter as recommended in the section "Care and Cleaning".

ELECTRICAL INFORMATION
The complete electrical rating of your new room air conditioner is stated on the nameplate. Refer to the rating when checking the electrical requirements.
• Be sure the air conditioner is properly grounded. To minimize shock and fire hazard, proper grounding is important.
• LCDI (Leakage Current Detection Interrupters) are built into the power cord cap of our room air conditioners.
• If the power cord is damaged and the power conductors touch the shield, the LCDI will interrupt power if even a small amount of current leaks to the shield. In such case, it must be replaced by the manufacturer, service agent or a similarly qualified electrician to avoid hazard.
• Your air conditioner must be plugged into proper power outlet. If the power outlet you intend to use is not adequately grounded or protected by a time delay fuse or circuit breaker, please contact qualified electrician to install the proper power outlet.
• Do not use an extension cord or an adapter plug.
• Be sure the maximum amps of all devices on that fuse or circuit breaker can not exceed the amps of the fuse or circuit breaker.
IDENTIFICATION OF PARTS

1. Display Panel
2. Air Outlet
3. Exhaust Hose Cover
4. Exhaust Hose
5. Air Filters
6. Rear Casters
7. Front Casters
8. Water Tank
9. Water Tank Hanger
10. Nozzle
11. Drain
12. Power Cord
INSTALLATION

Unpack your new Portable Air conditioner and let the machine stand upright for at least 2 hours before starting.

1) Extend Hose from Unit
2) Position Window plate with the unfinished edge facing away from the hose
3) Insert Screws (included) from the unfinished edge into the hose adapter
C. Install the Window Slider Kit : Fig 3.
1. Open the window and place the Window Slider Kit on the inside edge of the window.
2. Adjust the Window Slider by adjusting it to the width of the window.
3. Close the window to secure.
4. Tighten the two screws to lock the window slider in place.

FUNCTION OF THE WATER TANK
This Portable Air Conditioner can run with or without water tank.

The water tank is an auxiliary function to the unit and can run with or without it. Its purpose is to use fresh water to cool the condenser so the machine will have maximum performance. In normal conditions, it will recycle the humidity that is collected to cool the condenser and evaporate the water out the exhaust. In areas where humidity levels are low, this tank will assist the unit in cooling effectively.

When used, you can achieve maximum BTU performance and the air conditioner will run more efficiently.

NOTE: This feature will not add humidity back into the room.
Step 1: Lift up and pull to remove the tank
Step 2: Remove the nozzle by turning counter clockwise
Step 3: Fill the tank with water to approximately the half way level and replace the nozzle snug.
Step 4: Place the tank back into place by lining up the tank with the tab on the back of the air conditioner
OPERATING INSTRUCTIONS

Read the Important safety instructions before operating this appliance.

(To prevent electrical hazards, do not use an extension cord or an adapter plug.)

1. Plug in the air conditioner.
2. Install the exhaust duct as illustrated in page 7.
3. Plug the unit into a 115—120v~60Hz grounded electrical outlet.
4. Press the "ON/OFF" button to turn on the unit.

NOTE: If the air conditioners is turned off, wait 3 minutes before restarting. This allows pressure inside the compressor to equalize.

Failure to follow these instructions may cause inefficient operation.

CONTROL PANEL

1. Auto
2. Air Conditioning
3. Dehumidifier
4. Fan
5. Timer Indicator
6. Sleep
7. Low Fan
8. High Fan
ON /OFF
The power control button turns the unit on and off. When you press the button, the unit begins to operate.

MODE
Select the functions of the unit for: AUTO control, COOL, DRY, and FAN.
The appliance will start on AUTO function the first time it is turned on and remains in this mode until other type of programming is chosen.

AUTO (Automatic functioning key)
Press MODE key to select AUTO, your portable air conditioner will select an ideal temperature for the room while running at an optimal level. °C is shown on the display and the indicator light will come on. The fan speed will be determined by the machine.

COOL
Press the Mode Control button to select Cool mode. The °C light will show on the display.
The unit displays "present room temperature." The temperature range settings are between 64—88 °F.
In Cool mode, use the < or > button to adjust and set the desired temperature for the room. After 3 seconds the display will return back to the present room temperature.
NOTE: The air exchange hoses must be vented through the window kit when it is in this mode. The compressor will start after 3 minutes (during which only the fan function is active). If the room temperature is lower than selected, the appliance activates the fan function until the temperature rises above the the temperature that was set.

DRY
Press the Mode Control button to select Dry (dehumidify) mode. The °C light will show on the display.
When the Dehumidify mode is on, the temperature buttons do not function. The fan speed can be adjusted only if the temperature in the room is higher than 77 °F. If it is below this temperature, the fan speed is automatically fixed to "low" and cannot be adjusted. The compressor will be on for 10 minutes and then turn off for 4 minutes in this mode. This prevents the coils from freezing and protects the air conditioner. When the humidity in the room is 50% or lower, the compressor will not run and the unit will not dehumidify.
NOTE: The exhaust hose must be connected to remove the humidity.

FAN
Press the Mode Control button to select Fan mode. The °C light will show on the display. The air is circulated throughout the room with no cooling.
NOTE: The exhaust hose is not needed in fan mode as it is circulating the air that is in the room.

SPEED
Press "SPEED" key to adjust fan speed (High/ Low).
TIMER
There are 2 different timer programs. You can set the number of hours before the air conditioner automatically turns OFF so that you can set the number of hours that will elapse before the unit turns ON.

When the air conditioner is turned off, you can choose to turn it on in one hour intervals.
1. Press the Timer button on the Control Panel (the timer indicator light will be lit).
2. Continue to press the Timer button until you reach the number of hours you want to elapse before the unit turns on. Example: If you want the air conditioner to turn on in eight hours, press the button until you see 8 on the display.
3. The unit will turn on when the set time elapses.

When the air conditioner is turned on, you can choose to turn it off in one hour intervals.
1. Press the Timer button on the Control Panel (the timer indicator light will be lit).
2. Continue to press the Timer button until you reach the number of hours you want to elapse before the unit turns off. Example: If you want the air conditioner to turn off in eight hours, press the button until you see 8 on the display.
3. The unit will turn off when the set time elapses.

SLEEP
Sleep Mode is used to keep the room comfortable while saving energy. When the Sleep Mode button is pressed, the set temperature will increase by 2 °F in the first hour and increase another 2° the second hour. It will then remain at that temperature for the remainder of the night.

TANK FULL
The appliance has built-in evaporating system. The water is turned into humid air and evaporated through the exhaust hose. If the humidity level is high, it is possible to have to empty the internal water tank manually. If this happens, an alarm will beep for 15 times and the unit will stop running. The appliance can be restarted after draining the condensate water through drain port located at the bottom of the back of the PAC.

AUTOMATIC RESTART
In the event of a power failure: The settings will return to the previously set operating modes once the power is restored.
REMOTE CONTROL FUNCTION

All functions can be accessed from the remote control.

- Timer button
- Fan speed control
- Sleep mode
- Temperature UP button
- Mode button
- Temperature DOWN button
- Power control
CARE AND CLEANING

Every two weeks: Clean the filter

- Turn the unit OFF and remove the plug from the outlet.
- Grasp the formed handle of filter and pull it up, removing it from the evaporator.
- Use a brush attachment with a vacuum cleaner.

**NOTE**: Failure to keep air filter clean will result in poor air circulation.
DO NOT operate without filter. This can render the unit inoperative.

Storage:
1. Remove water from drain port
2. Cover it with plastic or return it to the original carton.
**SPECIFICATIONS**

- Figures noted in the contents are for reference only; variation may result due to the application in different countries or regions, and shall be based on practical operation.

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<thead>
<tr>
<th>Description of product</th>
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<tr>
<td>POWER SOURCE</td>
<td>115V/60Hz</td>
</tr>
<tr>
<td>RATED POWER INPUT</td>
<td>1150W</td>
</tr>
<tr>
<td>Current (AMPS)</td>
<td>10A</td>
</tr>
<tr>
<td>EER</td>
<td>10.43</td>
</tr>
<tr>
<td>AIR VOLUME (CFM)</td>
<td>185</td>
</tr>
<tr>
<td>NOISE LEVEL</td>
<td>53db(A)</td>
</tr>
<tr>
<td>MOISTURE REMOVAL</td>
<td>2.462L/h</td>
</tr>
<tr>
<td>TEMPERATURE SETTING</td>
<td>64~88°F</td>
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<tr>
<td>REFRIGERANT</td>
<td>R410</td>
</tr>
<tr>
<td>MAXIMUM PRESSURE</td>
<td>2.8MPA</td>
</tr>
<tr>
<td>GROSS WEIGHT</td>
<td>75lbs</td>
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"Electrical waste products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice."
REFURBISHED PORTABLE AIR CONDITIONER – 90 DAY WARANTY

Royal Sovereign warrants each Portable Air Conditioner to be free from defects in material and workmanship. Our obligation under this warranty is limited to the repair or replacement, free of charge, when delivered to an authorized Royal Sovereign service center, of any defective part(s) thereof, other than parts damaged in transit. This warranty is in effect to the original purchaser, for a period of 90 days from the date of purchase and is not transferable. This warranty shall apply only if the air conditioner is used on Alternating Current (AC) circuit, in accordance with the factory provided instructions which accompany it.

To request services, please go to www.royalsovereign.com - Customer Support to submit a request or call 1-800-397-1025

EXCLUSIONS

This warranty excludes and does not cover defects, malfunctions or failures of your Royal Sovereign Portable Air Conditioner, caused by repairs by unauthorized persons or service centers, mishandling, improper installation, modification or unreasonable use including incorrect voltage, acts of God, or failure to provide reasonable and necessary maintenance. This warranty is in lieu of any and all expressed warranties. In no event shall Royal Sovereign be liable for consequential or incidental damages. This limitation would not apply if you live in a location that does not permit the exclusion of limitation of incidental or consequential damages. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

Please visit www.royalsovereign.com - USA - Customer Support for out of warranty service or to view frequently asked questions.