Portable Air Conditioner

ACAN12

Dual Mode: Air Conditioner or Fan
INTRODUCTION

Thank you for purchasing the ActiveAir analog portable air-conditioner (item# ACAN12) for use in your home or garden. This unit provides cooling, fan functions, operates quietly, and requires minimal installation effort.

When operating as an air conditioner, this unit is designed for spot cooling, optimal for a room no larger than 100 square feet with a standard ceiling height of 8 feet. Use in gardening applications should NOT exceed (2) 1000 watt, AIR-COOLED lighting systems. Please note the evaporator air intake on the back of the unit will exchange a small amount of air from the room in which it sits, through the exhaust outlet. For optimal CO2 supplementation, this unit should cycle off during times of induction activity.

The unit incorporates a power outage auto reset function and will automatically restore the last setting of operation selected prior to the power outage. If using a cycle timer please allow a minimum 3 minute interval of OFF time before cycling the compressor back on. Failure to do so may damage the operation.

PACKAGE CONTENTS

1 - Mobile Air Conditioner Unit
2 - Exhaust Ducting Pipes
2 - Window Kit Adapter
1 - Window Insert Kit, consisting of –
   1 Vent Panel (28 ¼”)
   1 Extension Assembly (outer solid panel with inner sliding extender-- 28 ¼” up to 80”)
2 - Air Flow Terminal Covers.
2 - Ducting Covers.
1 - Instruction Manual.

IMPORTANT SAFEGUARDS

Before using your portable air conditioner, please read all parts of this manual thoroughly.

1. Do NOT place the unit in any position besides vertical, even temporarily or for storage. If placed in any position other than upright, the unit must be left to sit right side up for approximately (2) hours.
2. If the unit is turned off or if power is lost, wait 3 full minutes before restarting the cooling mode.
3. Flammable vapor and liquids should never be placed near this unit.
4. Maintain at least 10” (25cm) of clearance around this unit. Do not cover or block air flow through the inlet or outlet grills, doing so may result in internal damage to the unit.
5. The power supply must be properly grounded into a 120V outlet.
6. Do NOT use an adapter plug or extension cord on the unit.
7. Be careful not to spray or pour water directly on the unit, into the inlet or outlet grilles. Keep the unit at a safe distance from open water supplies and sources.
8. Do not allow children to access this unit.

FEATURES
1) Window and Wall Venting Methods
   a) Window Venting Method

   i) Locate the Window Insert Kit and Window Kit Adaptors.

   ii) Select an appropriate window or door and place the air conditioning unit as close to it as possible.

   iii) Attach the Window Kit Adaptors to the open ends of the intake and exhaust ducting pipes. To do this first pull the open end of the ducting so that approximately 6” of it is fully extended. Screw the Window Kit Adaptor clockwise onto the ends of the ducting pipes to secure the attachment.

   iv) The Window Insert Kit consists of one Vent Panel with two large rectangular openings and an Extension Assembly with two solid sliding panels. The inner extender panel slides into the C-channel at the back of both outer panels to double the length of the insert or extend it to fit a sliding door.

   v) If necessary, you may find it easier to cut the Extension Assembly to get a more exact fit.

   vi) Make sure that both openings on the Vent Panel are not covered by other pieces. Restricting the airflow may damage the internal components.

   vii) Secure the Window Insert Kit in the selected window or door opening and close the window or door on it tightly. The flat side of the outer panels faces inward into the room. The back side with the C-channel faces out the window/door to the outside.

   viii) The Window Kit Adaptors snap into the openings of the Vent Panel. Each Adaptor connects one Ducting pipe to one opening in the Vent Panel. Extend the ducting as far as necessary to reach the Vent Panel.

   b) Wall Venting Method

   i) Wall Venting Method requires competent individual building skills.

   ii) Do not use the Window Kit Adapters or Window Insert Kit.

   iii) Prepare two 5” diameter holes in the outer wall of the room for exhaust and air intake.
iv) Position the two ends of the Exhaust Ducting pipes in these holes in the wall. Seal with duct tape or other appropriate materials.

v) You may be able to use the Exhaust Outlet Covers to help seal the openings in the wall when the unit is not in use.

vi) Although the Exhaust Ducting may be extended up to about 6 feet, for increased efficiency keep the exhaust ducting as short and straight as possible.

NOTE:
• Do NOT attach further extensions or booster fans to the exhaust ducting. Doing so beyond that provided by the manufacturer may impede the operation of the unit, cause damage to it, and will void the warranty.

2) To Detach Intake/Exhaust Ducting:

a) Turn the attachment collars clockwise and lift them to remove the duct assemblies from the intake and outtake Air Flow Terminals on the unit.

b) Duct covers will screw down into place over the intake/exhaust ports to protect them for periods of extended storage.

OPERATING INSTRUCTIONS
1. Ensure that the Selector is set to OFF.
2. Plug the unit into a 120V, grounded outlet.
3. After turning on the power, use the SELECTOR to select the desired mode of operation: LOW FAN, HI FAN, LOW COOL, or HI COOL.
4. Use the THERMOSTAT dial to select the desired ideal temperature.

NOTE: IN ORDER TO AVOID COMPRESSOR OVERLOAD, PLEASE WAIT 3 MINUTES AFTER THE COMPRESSOR STOPS BEFORE RESTARTING.

MAINTENANCE
NOTE: MAKE SURE MODE SELECTOR IS SET TO OFF AND THE PLUG IS PULLED OUT OF THE POWER OUTLET BEFORE PERFORMING ANY MAINTENANCE ACTIVITIES.

1) CLEANING OR REPLACING THE FILTER
a) If the air filter becomes dirty or dusty, airflow will be reduced. It is recommended to clean the filter at least once every two weeks or more often as needed.

b) The filter compartment is located in the upper part on the back of the unit.

c) Lift the filter frame upward to remove it from the filter compartment.

d) Wash the air filter by immersing it gently into warm (about 104 F) water with a mild detergent.

e) Rinse the filter thoroughly and allow it to dry out completely before replacing it in the unit. Do not expose the filter to direct sunlight.

f) When it is ready, slide the filter frame back down into the filter compartment.

g) If the filter is torn or unusable order a new filter through your retailer.

2) CLEANING THE OUTER CASE
a) Keep the unit from being exposed to direct sunlight to avoid possible color fading.

b) Clean the surface with a damp cloth and dry with a soft towel.
3) TRANSPORT/ EXTENDED STORAGE
a) Empty the water by unplugging the water drainage stop at the back towards the bottom of the unit. Use a drain tube to a floor drain for automatic and continuous depletion.
b) Unplug the unit from the electrical outlet.
c) Store the unit in a cool dry place, preferably covered with plastic sheeting.

4) RECHARGING THE UNIT
a) We do not recommend that the operator attempt to recharge or replace the coolant in this unit. Failure to do so could result in a fine as stated by the EPA.
b) If there is a leak, return the unit to the place of purchase, along with a receipt for warranty work.

NOTE:
1) The above cooling capacity is measured at ambient temperatures of DB 86 F, WB 78 F.
2) Noise level is measured at 3.28 ft away from the front of the unit, in cooling mode.
3) Power consumption rating is measured with the fan running at the highest speed.
4) If the ambient temperature is higher than the maximum operating temperature or lower than the minimum operating temperature, the air conditioner may not work properly.
5) A power cut off sensor will activate if excessive water accumulates from the condenser. It is wise to check the unit and ensure water is properly disposing if humidity levels are above 50 percent in the area.
6) Specifications above are for reference only. Please see the actual data printed on the nameplate.

TECHNICAL SPECIFICATIONS

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<tr>
<td>MODEL</td>
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<tr>
<td>COOLING CAPACITY</td>
<td>12,000 BTU/h</td>
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<td>DEHUMIDIFYING CAPACITY</td>
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<tr>
<td>POWER RATING</td>
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<td>AIR FLOW VOLUME</td>
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<td>POWER SUPPLY</td>
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