NetworkAIR™ 1000

Portable Air Conditioner

AP7003
AP7004

User's Manual

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Important Safety Information

Warning

- Read these instructions carefully before using this air conditioner.
- This air conditioner is designed for indoor use only. The temperature range for the cooling mode is 61° F to 86° F.
- To reduce the risk of fire or electric shock, do not expose the unit to rain or moisture. Do not open the cabinet while the unit is connected a power source. Dangerous voltage is present. Have repairs performed by certified HVAC technicians.
- Never use or store gasoline or other flammable vapor or liquid near the unit.
- This air conditioner has no ventilator for taking in fresh air from outdoors. You must open doors or windows frequently when you use gas or oil heating appliances in the same room, which consume a lot of oxygen from the air. Otherwise, there is a risk of suffocation in extreme cases.
- Do not use an adapter plug or extension cord.
- Do not use near gas appliances, open flames (fireplaces) or in the vicinity of flammable liquids.

Caution

- Do not operate this unit if it has a damaged cord or plug, or if it is not working properly, or had been dropped or damaged in any manner.
- To protect against risk of electrical shock, do not immerse unit, cord or plug in water or any other liquid.
- Do not cut or remove the third (ground) prong from the power cord plug.
- If the plug gets hot, call a qualified electrician.
- Close supervision is required when the unit is used near children.
- Do not stick anything into the air outlet of the air conditioner.
- Do not use in a room with poor air circulation.
- Do not expose to direct sunlight.
- Do not use the unit near water.

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Contents

General Information 1

About NetworkAIR 1000 1
Inventory 1
Front View 2
Back View 2
Control Panel 3
LCD Indicators 4

Installation 5

Warnings 5
Set up the unit 5
Check components 6
Power the unit 6

Operation 7

Power 7
Cooling 7
Dehumidify 7
Fan 7
Louver 7
Timer 8

Installing the Exhaust Kit 9

Drainage 11

Methods of Draining 11
Condensate Tank 11
Emptying the tank 12
The drainage tube 13

Maintaining the Unit 14

Clean the air filter 14
Clean the cabinet 14
Clean the condensate tank regularly 15
Storing the Unit 16

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Contents *continued*

Troubleshooting **17**

Try this first 17

If problems persist 19

Warranty Information **20**

Limited warranty 20

Warranty limitations 20

Specifications **21**

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General Information

About NetworkAIR 1000

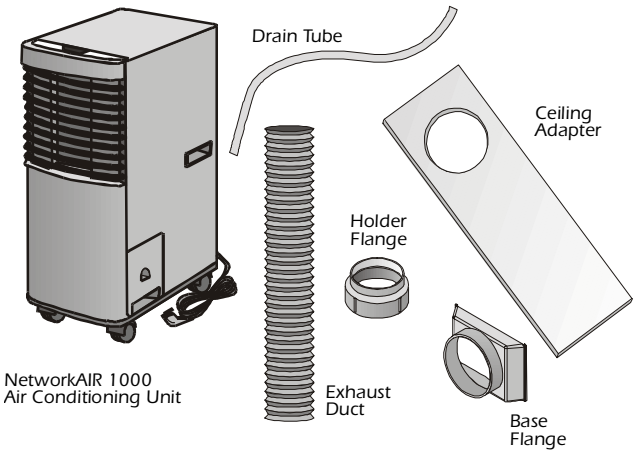
APC's NetworkAIR 1000 is a portable, compact, air-conditioner designed for spot-cooling, emergency-cooling, and after-hours cooling of server closets, data centers, conference rooms, home offices, or rooms housing heat-sensitive equipment.

The NetworkAIR 1000 provides 7,200 BTU (7,500 BTU for AP7004) of cooling power. It automatically adjusts room temperature, and reduces moisture while filtering the air. Additional features of NetworkAIR 1000 include:

- Electronic control panel with LCD display
- Automatic turn-on/shut-off timer
- Automatic swing louvers for even air distribution in the room
- Ceiling exhaust kit
- Quiet, high-efficiency rotary compressor

Inventory

NetworkAIR 1000 is shipped with the items shown below:



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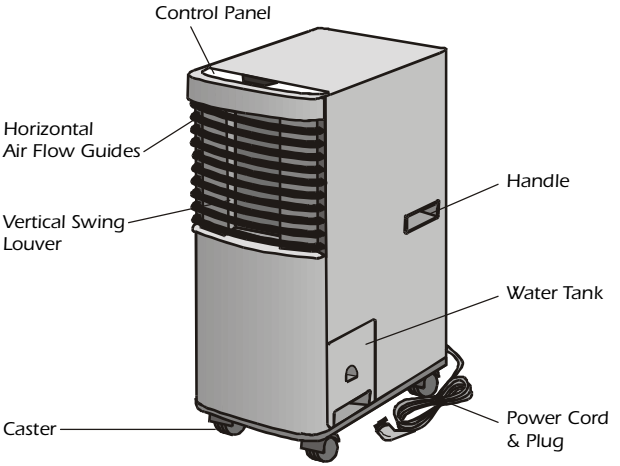
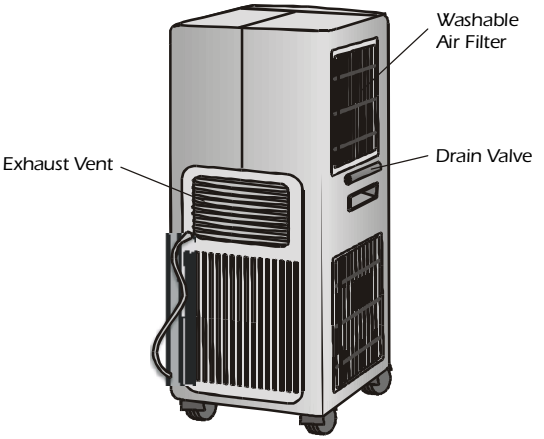
General Information *continued*

Front View



Back View



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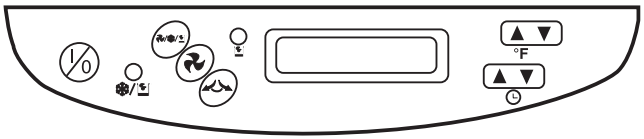
General Information *continued*

Control Panel



	Power	Turns the unit on and off.
	Mode	Sets the desired operating mode: fan, cooling, or dehumidifying.
	Fan Speed	Sets desired fan speed: high, medium or low.
	Louver	Directs the air distribution.
°F	**Temperature**	Sets the desired temperature (61°–86°F).
	Timer	Programs the timer for unattended shutoff (up to 18 hours for AP7003, 24 hours for AP7004).
	Compressor indicator	Indicates that the compressor is running when in cooling or dehumidifying mode.
	Tank Full indicator	Indicates with flashing light and buzzer that the condensate tank is full or has not been positioned correctly.
	LCD Display	Displays information about different modes and settings.

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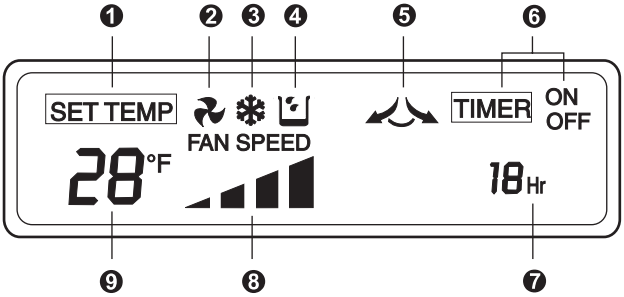
LCD Indicators



❶ Temperature

❷ Fan Mode

❸ Cooling Mode

❹ Dehumidify Mode

❺ Louver On

❻ Timer On/Off

❼ Timer Setting

❽ Fan Speed

❾ Set Temperature

Note: Temperature is shown in Celsius on the AP7004.

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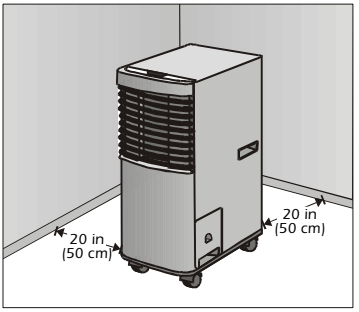
Installation

Warnings

Use the unit on a flat surface where the air outlets are unobstructed.

Do not place the unit less that 20 inches (50 cm) away from any wall or obstacle.

Do not install this air conditioner where there are fumes or flammable gases, or in an extremely humid space such as a green house.



Set up the unit

1. Unpack the unit and the accessory kit. Slip the bands off the unit—do not cut the bands.
2. Inspect the unit and the accessories for damage.

Caution: If you find shipping damage, do not operate the unit. If you have shipping damage, keep all packaging for inspection by the shipper and call APC Customer Support at a number listed on the back cover of this manual.

Note: This unit should not be placed on its side. If it does get tipped, place the unit upright on a flat, solid surface and keep it in this position for a minimum of two hours before operating.

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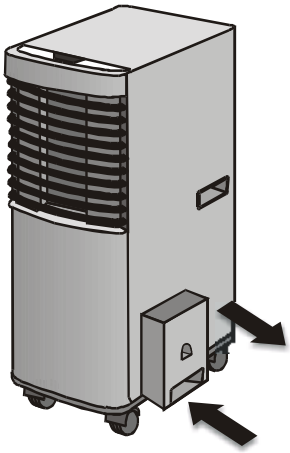
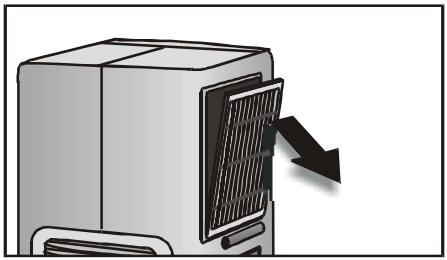
Check components

1. Check that the condensate tank on the side of the unit is in place and is properly seated. If the tank is not installed properly, the unit will not operate.



2. Open the air filter cover on the left side of the unit and check that the air filter is clean.



Power the unit

1. Plug the unit into a wall outlet. Wait two seconds for the unit to beep.

   Note: The unit has a 6-foot power cord. Do not plug the unit into an extension cord.

2. Turn the unit on by pressing the Power button on the control panel.

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Operation

Power

Turn the unit on or off by pressing the Power button.

Cooling

- To select the Cooling mode, press the Mode button until the cooling mode indicator appears in the LCD window.
- Set the fan speed by pressing the Fan Speed button. The fan speed indicator in the LCD window will display what speed has been selected - high, medium or low.
- Set the temperature by pressing the Temperature button up or down arrow . The LCD window will display the current temperature selected.

Dehumidify

- To select the Dehumidify mode, press the Mode button until the dehumidify mode indicator appears in the LCD window.
- Check that the condensate tank is empty and is properly seated.
- Do not use the exhaust duct.

Note: Fan speed cannot be adjusted when in Dehumidify mode.

Fan

- To select the Fan Mode, press the Mode button until the fan icon appears in the LCD window.
- Set the fan speed by pressing the Fan Speed button. The fan speed indicator in the LCD window will display what speed has been selected - high, medium or low.

Louver

Press the Louver button to automatically provide even air distribution. The louver on indicator will appear in the LCD window when this mode is on.

Note: You can direct the airflow to an even more specific area by adjusting the manual louvers.

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Timer

Your portable air conditioner has a timer feature that allows the unit to shut off or turn on automatically in a preset number of hours.

1. Set Timer On mode
    a. Make sure mode (cool, dehumidify or fan), temperature, and fan options are on the desired setting.
    b. Turn the unit off.
    c. Press the Timer button and the LCD window will display Timer On.
    d. Press the time up or down buttons to increase or decrease the amount of time. The timer will automatically turn the unit on after the number of hours shown in the LCD window.
2. Set Timer Off mode
    a. Make sure the power is on.
    b. Press the Timer button and the LCD window will display Timer Off.
    c. Use the time up or down buttons to increase or decrease the amount of time. The timer will automatically turn the unit off after the number of hours shown in the LCD window.

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Installing the Exhaust Kit

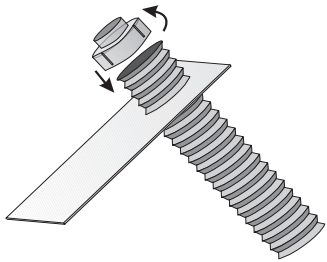
Installing into ceiling plenum

For this installation you will need the following:

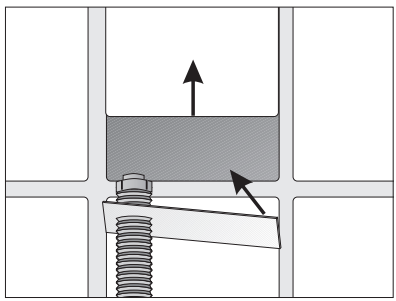
- The ceiling adapter
- The holder flange
- The exhaust duct
- The base flange

Note: There should be about 12 to 15 inches of open space above the ceiling adapter opening so that exhaust air is not blocked

1. The exhaust duct is 8.5 feet long. Insert about 6 inches of one end of the exhaust duct into the round hole in the ceiling adapter.
2. Extend the 6 inches of the exhaust duct you have just inserted and screw the holder flange as far as it will go onto the exhaust duct.



3. Slide the ceiling tile out of the way about 10 to 12 inches.
4. Put the ceiling adapter into the ceiling tile grid.



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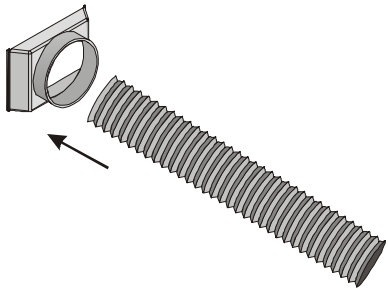
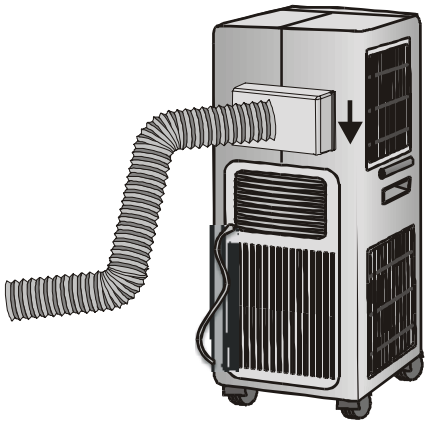
Installing the Exhaust Kit *continued*

Installing into ceiling plenum, continued

5. For permanent installation, cut five inches off the ceiling tile so that the tile will lay flat in the grid.
6. For temporary installations, slide the ceiling tile tight against the ceiling adapter.
7. Screw the other end of the exhaust duct into the base flange



8. Slide the base flange onto the exhaust vent on the back of the unit



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Drainage

Methods of Draining

The NetworkAIR 1000 has two methods of disposing of the condensation. The first is a condensate tank that can be manually emptied. The second method is to attach a drain hose to the unit so the water will run to a floor drain.

Condensate Tank

The condensation will drain into the condensate tank when the unit is in the Cooling or Dehumidifying mode. The Tank Full indicator will flash on the control panel and the unit will beep several times when the tank is full or has been removed from the unit.

For safety reasons, the compressor stops at this time. The fan will continue to operate at the same speed. However, if the tank is not emptied or reinserted within three minutes, the fan will stop.

Caution: Do not remove the tank when the unit is in use. Always turn off the unit before removing the tank. Periodically inspect and clean the drain valve to prevent clogging.

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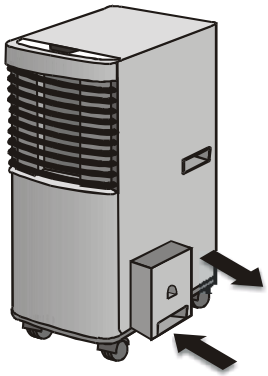
Drainage *continued*

Emptying the tank

To manually drain the tank:

1. Turn off the unit.
2. Using the handle, slowly remove the tank from the side of the unit.



3. Pour out any condensation accumulated in the tank.
4. Wipe up any condensation that may have drained off the evaporator coil.
5. Replace the tank in the unit.
6. Turn the power on and make sure tank is properly seated (the unit will beep and Tank Full indicator will flash if tank is not properly positioned).
7. Allow the fan to run for an additional three minutes after emptying the tank to dry out the moisture in the evaporator coil.

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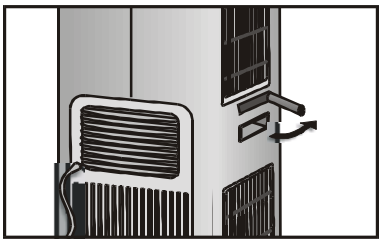
Drainage *continued*

The drainage tube

1. Slide out the drain valve from the left side of the unit.



2. Attach the drainage tube to the drain valve.

3. Route the tubing downward so that condensate flows properly into a floor drain or condensate line below the unit.

Note: Condensation will drip through the drain valve if it is open. Make sure there is a hose attached to the it and a floor drain or condensate line below the unit whenever the drain valve is open.

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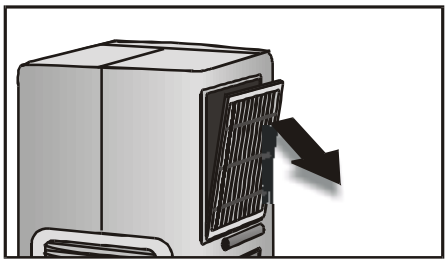
Maintaining the Unit

Clean the air filter

APC recommends cleaning your air filter at least after every two weeks of use. Keeping your air filter clean will maximize the performance and life of this product.

1. Turn off the unit and unplug it from its electrical outlet.
2. Open the air filter on the left side of the unit.



3. Remove the air filter from the cover.
4. Wash air filter with a neutral detergent and warm water and let it air dry.
5. Reinsert the filter into the cover.

Clean the cabinet

Turn off the unit and unplug it from its electrical outlet. Clean the surface of the cabinet with warm water and a neutral, non-abrasive detergent. Ensure all detergent is wiped from the surface and rinse with clear water to remove residue.

Caution: Do not clean the surface with thinners, alcohol, polishing powder, alkaline detergent, acid, or an abrasive brush. Using these items will damage the cabinet.

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Maintaining the Unit *continued*

Clean the condensate tank regularly

1. Turn off the unit and unplug it from its electrical outlet
2. Using the handle, slowly remove the condensate tank from the side of the unit.
3. Pour out any condensation accumulated in the tank.
4. Clean the inside of the tank with a solution of warm water and mild detergent to avoid the growth of mold and mildew.
5. Replace the tank in the unit.
6. Turn the power on and make sure tank is properly seated (unit will beep and Tank Full indicator will flash if tank is not properly positioned).
7. Allow the fan to run for an additional three minutes after emptying the tank to dry out the moisture in the evaporator coil.

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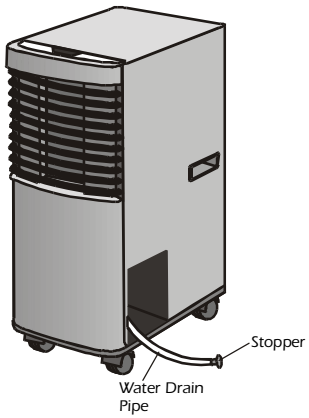
Storing the Unit

The following precautions must be taken when storing the unit for extended periods of time:

1. Turn off unit.
2. Clean the air filter and allow to air dry before replacing in unit.
3. Empty the condensate tank.
4. Remove the stopper from the water drain pipe and drain until empty. Reinsert the water drain pipe into the unit.



5. Replace the tank.
6. Turn the unit on and allow the fan to run three minutes after emptying the tank to dry out the moisture in the evaporator coil.
7. Turn power off. Power cable must be disconnected from power outlet and neatly rolled.
8. Store the unit in a dry place.

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Troubleshooting

Try this first

Problem	Cause	Suggestion
Unit does not work	Unit is not plugged in.	Securely plug receptacle into the wall.
	Main power is off.	Check fuse or circuit breaker
	Condensate tank is full. Indicator light is on.	Empty tank.
Poor cooling performance.	Air exhaust or intake blocked.	Clear all objects away from air grills, move away from wall.
	Air filter is dirty.	Clean air filter.
	Temperature is set too high.	Lower set temperature.
	Fan speed is too low.	Increase fan speed.
Noise or vibration.	Surface is not level.	Place unit on a level surface, away from obstructions.
Unit starts and stops.	Air exhaust is not attached properly or is curved too much.	Check installation of air exhaust hose.

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Try this first, continued

Problem	Cause	Suggestion
Water is leaking from unit.	Drain tube is clogged.	Remove blockage.
	Condensate tank is improperly seated.	Reposition tank.
	Surface not level.	Place unit on a level surface away from obstructions.
	Damaged condensate tank.	Replace tank.
	Stopper on water drain pipe is loose.	Make sure the stopper on the water drain pipe is securely in place.
	Unit has been moved.	When moving the unit, empty the condensate tank first and keep unit upright at all times.

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If problems persist

For problems not covered in the troubleshooting chart, or if the problem persists, follow this procedure:

1. Note the serial number and date of purchase of the NetworkAIR 1000. Contact Customer Support at a phone number or address on the back cover of this manual.
2. Be prepared to provide a description of the problem. A technician will help solve the problem over the phone, if possible, or will give you a return material authorization (RMA) number.
3. If the unit is under warranty, repairs or replacement is free of charge. If the warranty has expired, there will be a charge for repair or replacement.
4. Pack the unit carefully to avoid damage in transit. Damage sustained in transit is not covered under the warranty. Enclose a letter in the package with your name, address, RMA number, a copy of the sales receipt, daytime phone number, and check (if applicable).
5. Mark the RMA number clearly on the outside of the shipping carton. The factory will not accept any materials without this marking.
6. Return the unit by insured, prepaid carrier to the address provided by the Customer Support technician.

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Warranty Information

Limited warranty

American Power Conversion (APC) warrants the NetworkAir 1000 to be free from defects in materials and workmanship for a period of one year from the date of purchase. Its obligation under this warranty is limited to repairing or replacing, at its own sole option, any such defective products. This warranty does not apply to equipment that has been damaged by accident, negligence, or misapplication or has been altered or modified in any way. This warranty applies only to the original purchaser.

Warranty limitations

Except as provided herein, American Power Conversion makes no warranties, express or implied, including warranties of merchantability and fitness for a particular purpose.

Some jurisdictions do not permit limitation or exclusion of implied warranties; therefore, the aforesaid limitation(s) or exclusion(s) may not apply to the purchaser.

Except as provided above, in no event will APC be liable for direct, indirect, special, incidental, or consequential damages arising out of the use of this product, even if advised of the possibility of such damage.

Specifically, APC is not liable for any costs, such as lost profits or revenue, loss of equipment, loss of use of equipment, loss of software, loss of data, costs of substitutes, claims by third parties, or otherwise. This warranty gives you specific legal rights and you may also have other rights, which vary according to jurisdiction.

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Specifications

Item	Specification	
	AP7003	**AP7004**
Electrical		
Power source	115 V; 60 Hz	230 V; 50 Hz
Rated current	6.2 A	3.6 A
Rated input	Cooling 692 W Dehumidify 660 W	Cooling 860 W Dehumidify 820 W
Physical		
Condensate Tank capacity	3.5 qt (3.3 L)	3.5 qt (3.3 L)
Physical dimensions	12.85×16.250×30.75 in (326×415×788 mm)	12.85×16.25×30.75 in (326×415×788 mm)
Net weight (unit only)	74 lbs (34 kg)	74 lbs (34 kg)
Shipping weight	99 lb (45 kg)	99 lb (45 kg)
HVAC		
Compressor type	Rotary	Rotary
Refrigerant	HCFC R22	R407c
Output		
Cooling capacity	7,200 BTU/h	7,500 BTU/h
Airflow	170 CFM	290 CFM
Sound level	51.5 dB	52.2 dB
Dehumidifier value	.26 gal/hr max (1.3 L/hr)	.34 gal/hr max (1.25 L/hr)

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- Visit the APC Web site to find answers to frequently asked questions (FAQs), to access documents in the APC knowledge base, and to submit customer support requests.
  - **http://www.apc.com** (Corporate Headquarters)
    Connect by links to APC Web pages for specific countries and regions, each of which provides customer support information.
  - **http://www.apc.com/support/**
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- Contact an APC Customer Support center by telephone or e-mail.
  - Regional centers:

APC Headquarters (U.S. and Canada)	(1) (800) 800-4272 (toll free)
Latin America	(1) (401) 789-5735 (United States) apctchla@apc.com
Europe, Middle East, Africa	(353) (91) 702020 (Ireland) apceurtech@apc.com
Japan	(03) 5434-2021 jsupport@apc.com

  - Local, country-specific centers: go to **http://www.apc.com/support/contact** for contact information.
- Contact the APC representative or other distributor from whom you purchased your APC product for information on how to obtain local customer support.

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