

Celsius air conditioning

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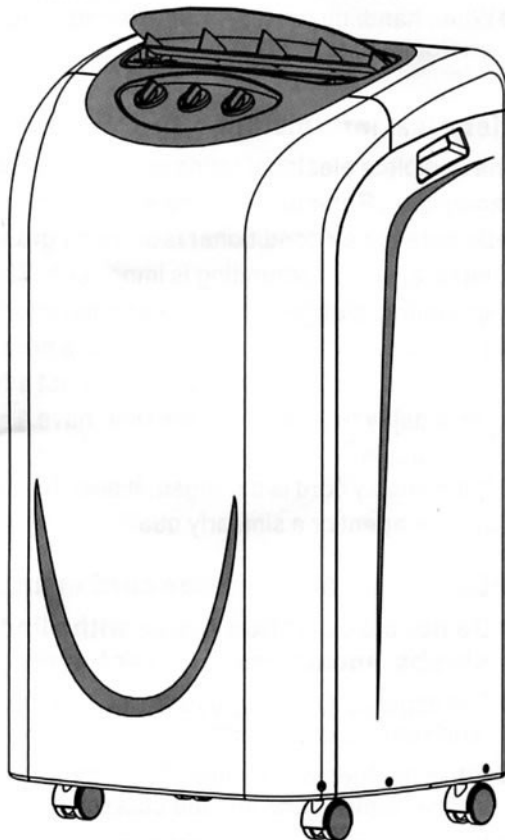
INSTRUCTION & OPERATION MANUAL

PORTABLE AIR CONDITIONER

Model: PM38CM

PROMAC

Professional Mobile Air Conditioning



IMPORTANT NOTICE

TO PREVENT DAMAGE AND VOIDING YOUR WARRANTY. PLACE THE UNIT IN ITS RIGHT POSITION FOR A MINIMUM OF TWO HOURS BEFORE OPERATING.

FOR BEST RESULT FROM YOUR PROMAC PORTABLE AIR CONDITIONER. PLEASE READ THIS INSTRUCTION MANUAL CAREFULLY AND SAVE IT FOR FUTURE REFERENCE.



Read all instructions before using this air conditioner

Important Safety Instructions

For your safety

Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance. Read product labels for flammability or other warning.

Prevent accidents

To reduce the risk of fire, electrical shock, or injury to persons when using your air conditioner, follow basic precaution, including the following:

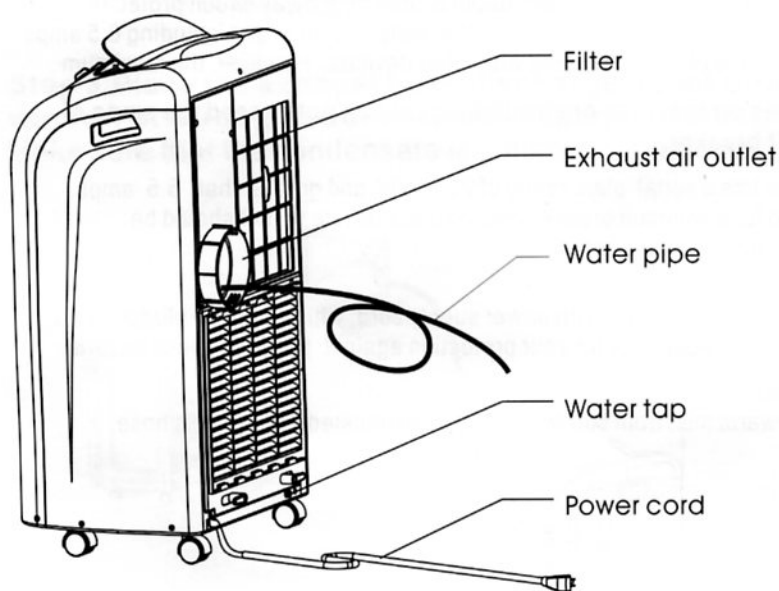
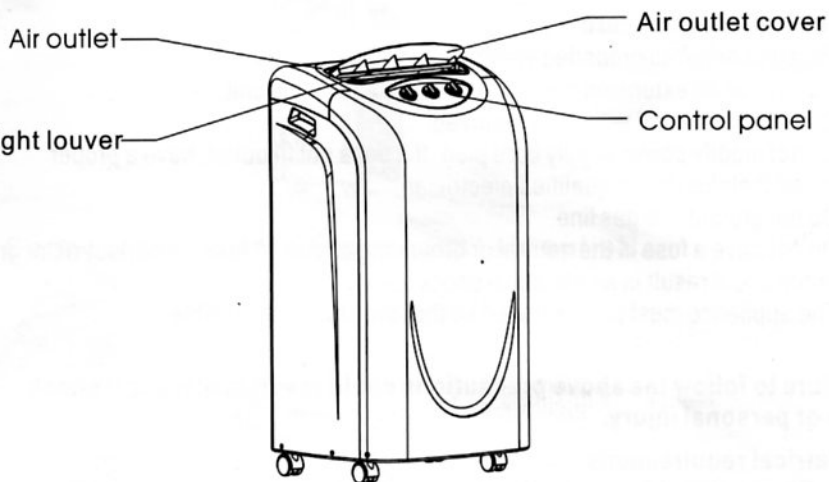
- ◆ Be sure the electrical power is adequate for model you have chosen. This information can be found on the nameplate, which is located either behind the louvers or on the left side of cabinet.
- ◆ Be sure the air conditioner has been securely and correctly installed according to the installation instructions provided with this manual. Save this manual for possible future use in removing or reinstalling this unit.
- ◆ When handling the air conditioner, be careful to avoid cuts from sharp metal fins on front and rear coils.

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. The power cord is equipped with a grounding plug for protection against shock hazard.
- ◆ Your air conditioner must be used in a properly grounded wall receptacle. If the wall receptacle you intend to use is not adequately grounded or protected by a time delay fuse or circuit breaker, have a qualified electrician install the proper receptacle.
- ◆ If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.
- ◆ **Do not use an extension cord or an adapter plug.**
- ◆ **Do not block air flow inside with blinds, curtains or furniture: or outside shrubs, enclosures, or other buildings.**
- ◆ The capacity of air conditioner must fit the room size for efficient and satisfactory operation.
- ◆ Close the fireplace damper floor and wall registers so cool air does not escape up the chimney and into the duct work.
- ◆ Clean the air filter as recommended in the section "Care and Cleaning".

General Description



Exhaust air hose



INSTALLATION

WARNING

Electrical Shock Hazard

- ★ Plug unit only into grounded electrical outlet.
- ★ Do not use an extension cord or plug adaptor with this unit.
- ★ Do not operate unit with front removed.
- ★ Do not modify power supply cord plug. If it does not fit outlet, have a proper outlet installed by an qualified electrician.
- ★ Do not ground to a gas line.
- ★ Do not have a fuse in the neutral or grounding circuit. A fuse in the neutral, or grounding circuit could result in an electrical shock.
- ★ The appliance must be positioned so that the plug is accessible

Failure to follow the above precautions could result in electrical shock, fire or personal injury.

Electrical requirements

Electrical ground is required on this appliance.

Notice: Do not operate this air conditioner without proper time delay circuit protection. If the air conditioner has a serial plate rating of 230 volts and up to and including 6.5 amps the unit may be on a fuse or circuit breaker with other devices. However, the maximum .

amps of all devices on that fuse or circuit breaker can not exceed the amps of the fuse or circuit breaker.

If the air conditioner has a serial plate rating of 230 volts and greater than 6.5 amps. It must have its own fuse or circuit breaker, and no other device or unit should be operated on that fuse or circuit breaker.

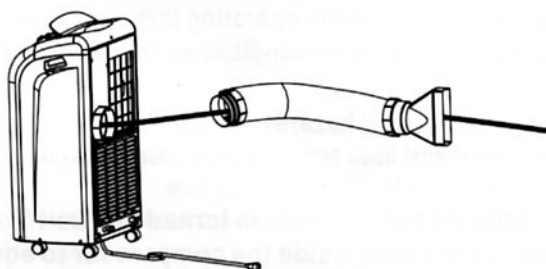
Air conditioner has a grounding plug on power supply cord, which must be plugged into properly grounded wall receptacle for your protection against possible shock hazard.

Exhaust Air Hose:

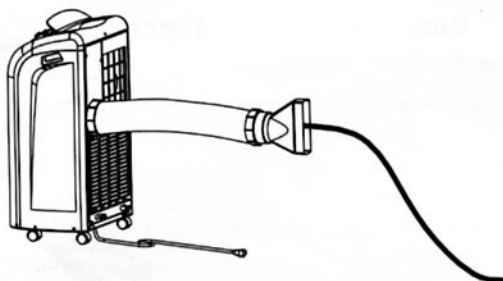
Hot air with warm mist from condenser will be exhausted through this hose.

HOW TO INSTALL THE EXHAUST HOSE

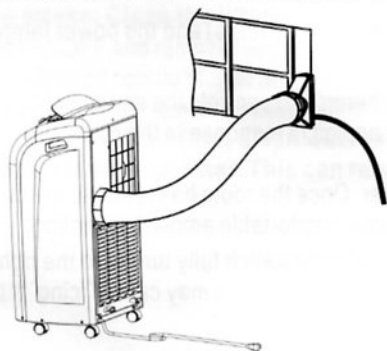
Step 1. Insert the condensate pipe into the exhaust hose as show.



Step 2. Connect the hose to the exhaust air outlet..

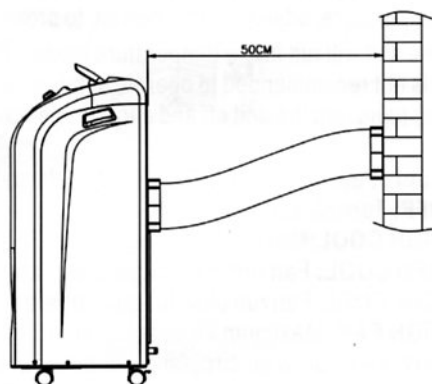


Step 3. Place the exhaust hose discharge outlet through the window or through a suitable wall fitting to atmosphere. Make sure that the condensate is collected or able to flow away freely.



Location of unit

Minimum distance to wall: 50cm



Operating instructions

To reduce the risk of fire, electric shock, or injury to persons, read the Important Safety instructions before operating this appliance.

To begin operating the air conditioner, follow these steps:

1. Plug in the air conditioner.

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

2. Install the exhaust hose and exchange hose to the proper position.

3. Adjust the louvers for comfortable air flow.

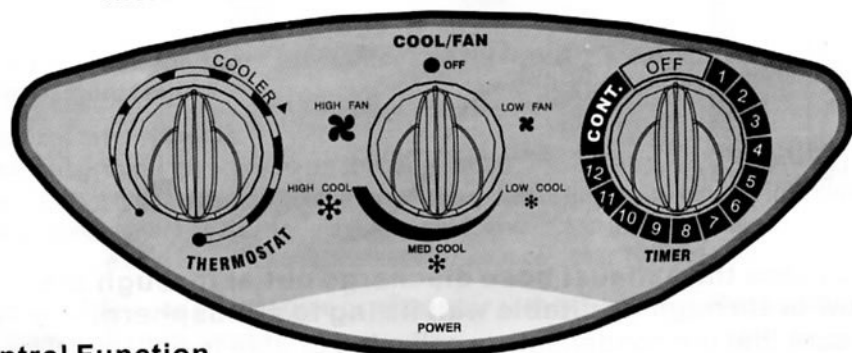
Note: If the air conditioner is turned off, wait 3 minutes before restarting. This allows pressure inside the compressor to equalize. Failure to allow these instructions may cause inefficient operation.

Control Panel

Thermostat

Cool / Fan

Timer



Control Function

Timer: Turn timer to "CONT" position or desired time (1 to 12 hours) and the power lamp is on. Turn the "Cool/Fan" to desired position.

Thermostat: When a COOL setting is selected, the thermostat controls the amount of cooling by automatically turning the cooling compressor on and off in response to the room temperature.

The more you turn the thermostat clockwise the colder. Once the room has reached the desired temperature, adjust the thermostat to provide the most comfortable amount of cooling.

The unit will run in low temperature mode with the thermostat switch fully turned to the right. It is not recommended to operate in this mode for long periods as this may cause 'icing'. If this happens turn the unit off and allow to 'de-ice'.

Cool / Fan: Operate COOL/FAN models according to the following suggestion:

OFF: Turn air conditioner off.

HIGH COOL: Maximum cooling speed. Begin operation of the air conditioner in this mode.

MED COOL: Fan run in average speed and the unit provide medium cooling.

LOW COOL: Fan run slow for quiet operation when maximum cooling is not need.

HIGH FAN: Maximum air circulation without cooling.

LOW FAN: Slow air circulation without cooling.

Normal Sounds

Sound of rushing air:

At the front of the unit, you may hear the sound of rushing air being moved by the fan.

Thermostat clicking sound:

As cooling system cycle on and off, you may hear a "clicking" sound.

Gurgles/Hiss

"Gurgling or hissing" noise may be heard due to refrigerant passing through evaporation during normal operation.

Ping or swishing:

Droplet of water hitting condenser during normal operation may cause pinging or swing sound.

Vibration:

Unit may vibrate and make noise because of poor floor or incorrect installation.

High pitched chatter:

Today's high efficient compressors may have a high pitched chatter during the cooling cycle.

Multi-direction air louvers

The air directional louvers allow you to direct the air flow up front, left or right throughout the room as needed. To adjust the air directional louvers side- to- side , use the top cover or louver itself.

Cooling system

With our devices however the condensate water is efficiently re-used for evaporative cooling thus enhancing the cooling effect and at the same time pumped out through the exhaust air hose pollution-free of course.

Water Drainage

● With an automatic water drainage system ,excess water can be drained automatically to the outdoor through water pipe.

● Draining the water completely by removing the water tap before removing or storing the unit

Every two weeks: Clean the filter

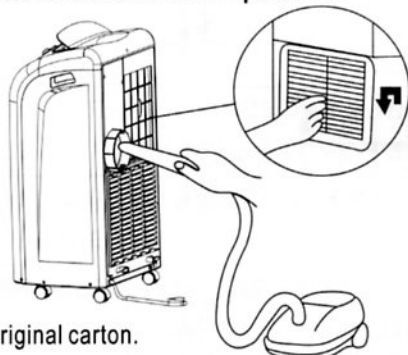
● Turn the unit OFF and remove the plug from the outlet.

● 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.

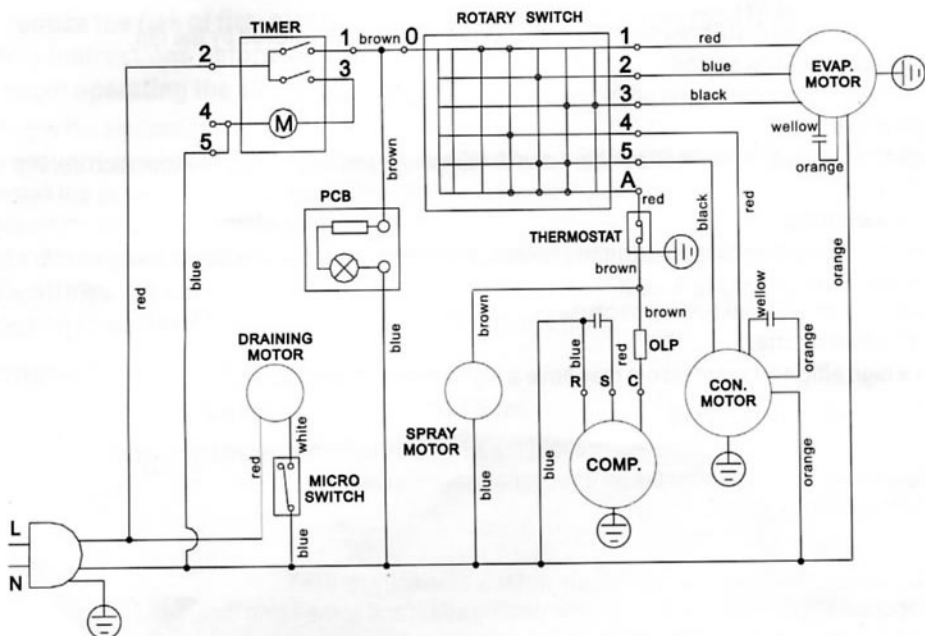


Storage:

1. Remove water from water tap
2. Cover it with plastic or return it to the original carton.

Note: To prevent rust or electrical connections from being damaged, store air conditioner in an upright position and dry place.

Wire diagram.



Specification

MODEL	PM38CM
VOLTAGE	230V~ 50Hz
RATED POWER INPUT	1400W
RATED CURRENT	6.5A
COOLING CAPACITY	13000BTU/h
MOISTURE REMOVED	50l/Day
AMBIENT	17~35℃
REFRIGERANT	R407C 530g
PERMISSIBLE EXCESSIVE OPERATING PRESSURE FOR THE DISCHARGE SIDE	2.8MPa
PERMISSIBLE EXCESSIVE OPERATING PRESSURE FOR THE SUCTION SIDE	0.8MPa
THE MAXIMUM OPERATING PRESSURE FOR THE HEATING EXCHANGER	2.7MPa
DIMENSION (mm)	470Wx385Dx855H

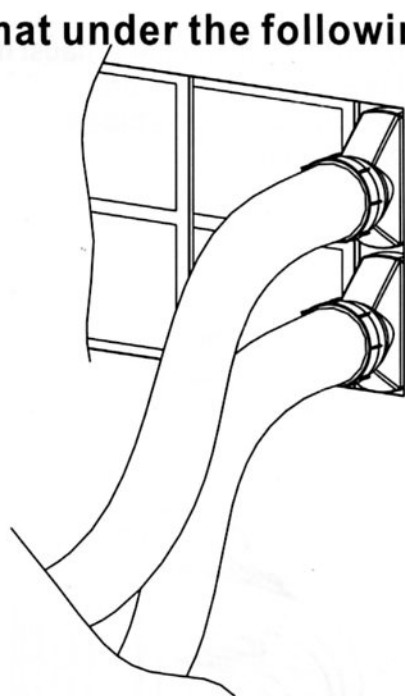
Use the unit in dual hose format under the following conditions:

The air exchange hose (2nd hose) can be used, only when the room temperature is below 32° C.

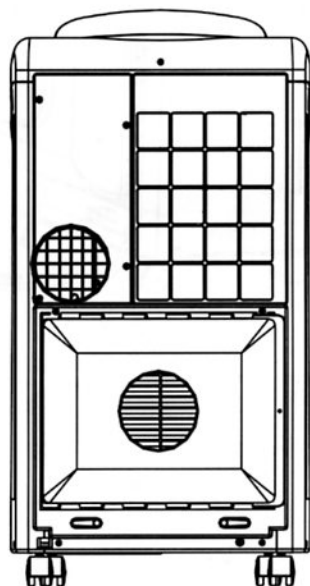
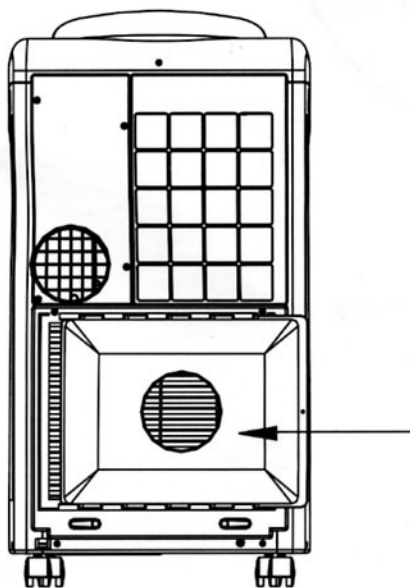
WARNING:

DO NOT USE THE SECOND HOSE, WHILE ROOM TEMPERATURE is OVER 32° C.

Step 1. Install the air exchange hose to the second hole on the window.



Step 2. Install the air-exchange duct cover into the groove of the condenser's cover (please follow the direction of the arrow in the drawing.)



Step 3. Connect the exhaust hose and second hose between the window and the unit.
(Before connecting the second hose, please fix the air exchange duct cover on the unit.)

