

USER'S MANUAL

MOBILE SERIES

AMC-09C



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SUMMARY

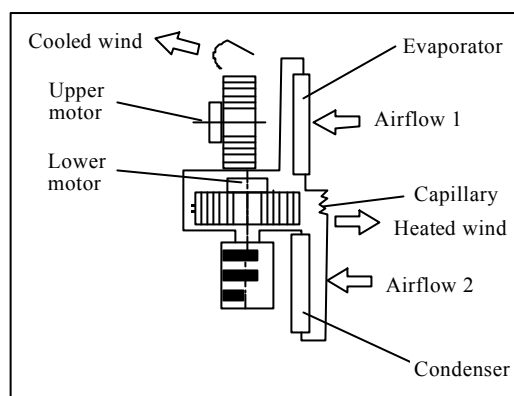
This MOBILE AIR CONDITIONER is a small, moveable air conditioner. It possessed the functions of COOL, HEAT, DRY and the Separate Ventilation, and depends on different places, it can be moved as will. It is fit for home and office use, especially fit for the house with many rooms. With the compact configuration, excellent workmanship, elegant appearance, it looks like a standing Benz car. It is convenient for moving, energy saving, and with low noise.

Note: Please read this manual carefully before operating the unit, the manual is used for reference, and the technical parameters are subject to change without notice.

WORKING PRINCIPLE

With the help of upper motor, the airflow of indoor pass through the evaporator becomes the cooled wind, but with the help of lower motor, the airflow of indoor pass through the condenser becomes the heated wind. There is two duct systems designed in its structure. The heated wind is discharged by the rear outlet, the cooled wind is discharged by the front outlet, flow-guided by the louver, and it brings the gentle cooling airflow, and the low temperature environment is maintained.

The Working Principle



MODELS AND SPECIFICATIONS

Model	AMC-09C
Cooling Capacity(W)	2600W
Power Source	220—240V ~ 50Hz
Rated Input Current(A)	5.3
Rated Power Input(W)	1200
Flow Volume(m ³ /h)	430
Sound Press Level dB(A)	55
Refrigerant	R407C
Net Weight (Kg)	31
Dimension(Body)(H × W × D) (mm)	840 × 450 × 370
Dimension(Package)(H × W × D) (mm)	880 × 685 × 425

Note:

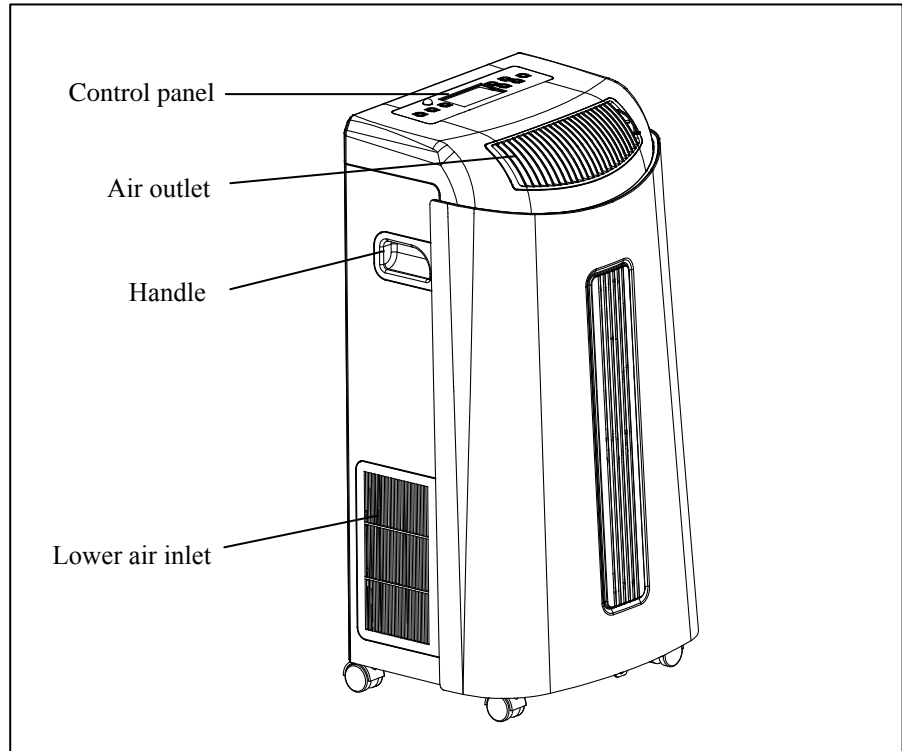
1. The noise was tested when the unit is running in cooling wind mode, 1 meter away from the front outlet, dehumidifying capacity.

2. The technical parameters are subject to be changed without notice. Please refer to those listed on nameplate of the unit.

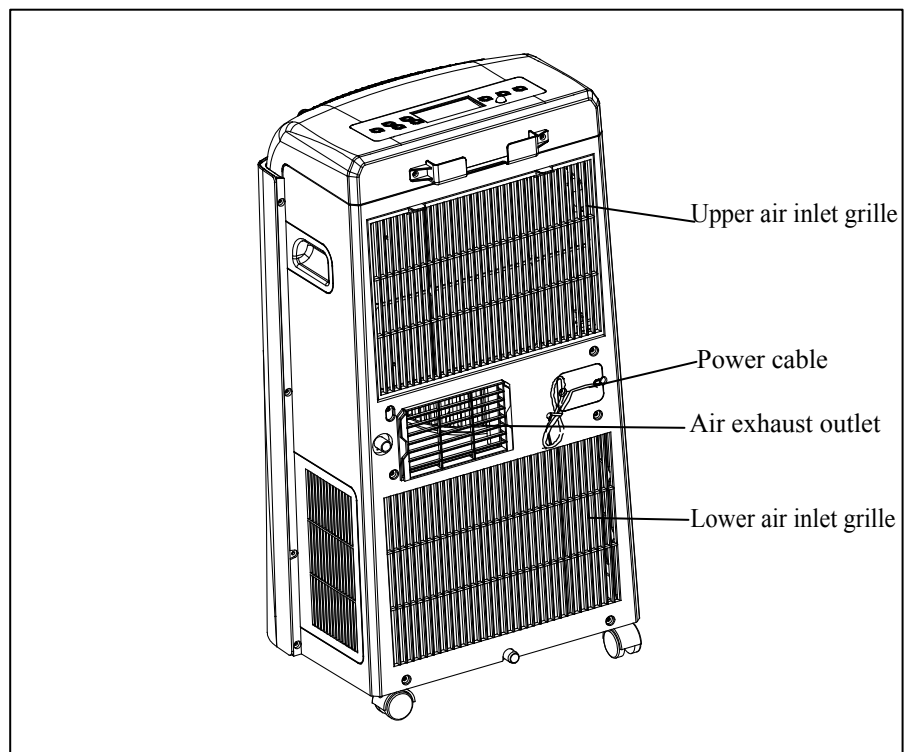
3. Device is not intended for continuous running

STRUCTURE

Front



Rear



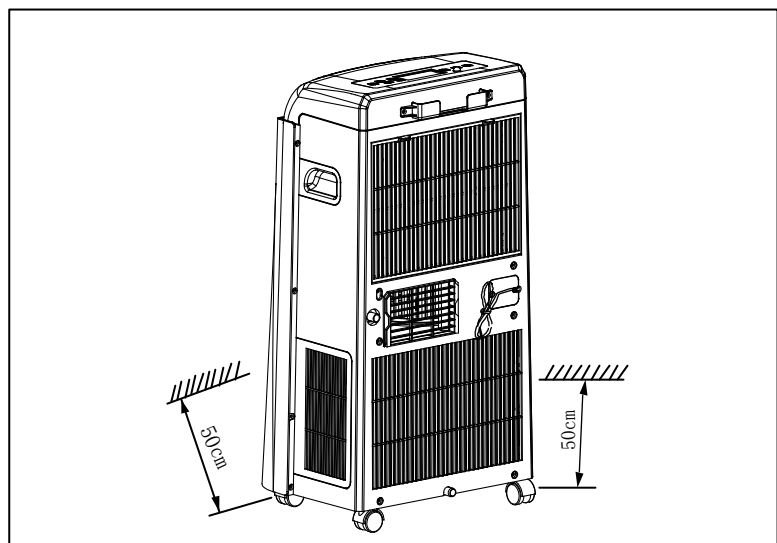
OPERATING METHODS

The working range of COOL mode and DRY mode

The working range of COOL mode is 16 ~ -35 ℃, the working range of DRY mode is 16 ~ -35 ℃.

Location conditions

When operating, the unit should be placed on the horizontal place and more than 50cm away from the wall or other obstructions.



Power supply

Before the unit is power-on, please check the following:

- The power supply voltage $\pm 6\%$.

The lead wire is suitable for the start-up current of more than 20A, to avoid the voltage decline when the unit starts suddenly.

The power plugs and the sockets can be supported by the current that is more than 16A.

The thread section of the lead wires and any continued use lead wire is no less than 2.5mm².

If the power supply cord is damaged, replace it by the special power supply cord.

If the power supply is needed to replace or maintain, please contact with the dealer and ask for the professional personnel to do the repairing work.

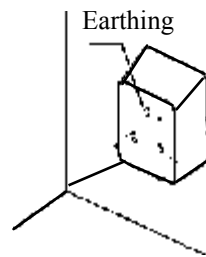
The air conditioner must be safety earthed. Earth wire must be connected to the special device of the building. That is for providing good earthing for the air conditioner.

OPERATING METHODS

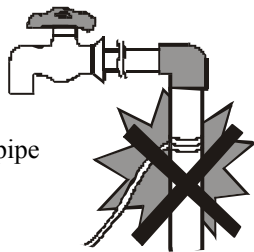
Can not use steel wire or brass wire to replace fuse, the capability of fuse must be appropriate. In order to avoid damage to power cord and electrical leakage, do not fix the power supply on the knife edge or sharp object.

The wiring must be operated by the professional and according to the national regulations. In fixed circuit, there must be electricity leakage protection switch of enough power capacity and 16A thermal-magnetic breaker air switch with enough space, the earth wire can't be connected to water pipe or gas pipe. When the air conditioner is not used, please pull out the power plug or cut off power supply.

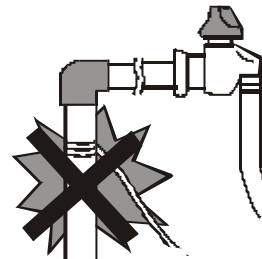
There must be reliable ground wire in the power supply



Water pipe

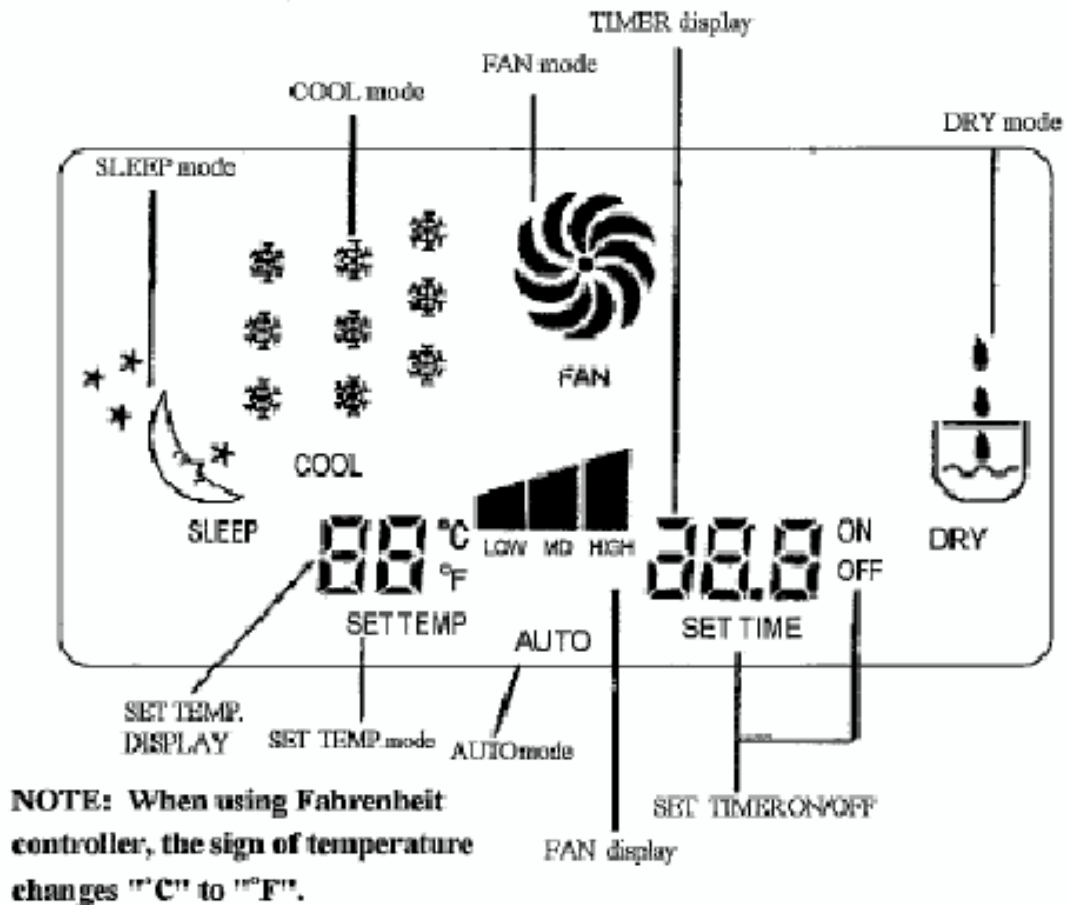


Gas pipe

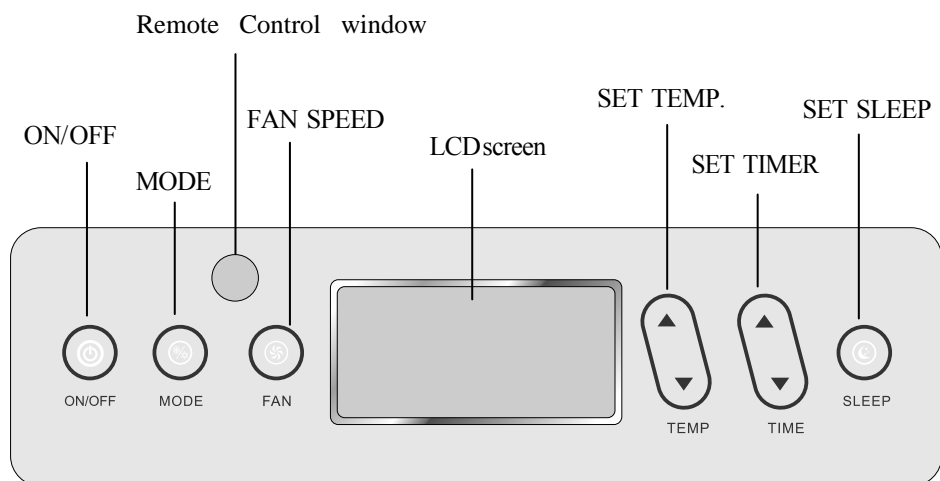


OPERATING METHODS

LCD instruction (dynamic display)



Names and Functions- Remote Controller



OPERATING METHODS

Control panel and the function

1. "ON/OFF" key

Press once to start and press once more to stop the unit.

2. "MODE" key

Press this button to change operation mode in order of:

FAN → COOL → DRY → AUTO → FAN

3 "FAN SPEED" key

When the unit is running in "FAN", "COOL" and "HEAT" mode, there are 3 kinds of fan speeds to be selected, press "FAN SPEED" key to choose between "LOW → MD → HIGH".

4. "SET TEMP" key

When turn on the air conditioner, in the "COOL", "HEAT" mode, the control panel will display the set temp. Press "▲" "▼" to increment or to decrement the set temperature.

5. "SET TIMER" key

Press "▲" "▼" key to set the time for timer on or timer off. When the unit is running, you could set the timer off, the unit will stop running; When the unit is stop running (not power off), set timer on, and the time interval that being set will be 0.5-24 hour(s), press "▲" "▼" key to adjust.

6. "SET SLEEP" key

When the unit is running, press once to set "SLEEP" operation, repress it, the unit will stop the "SLEEP" operation. There is no "SLEEP" operation in "AUTO" mode.

OPERATING METHODS

- COOL mode**
- 1). Select a place that near door and window, install the exhaust duct (the installation method please refer to P19), put the exhaust duct out of the door, do not close the door and window tightly, leave enough space for air flow, for example, open the window or door to keep a good ventilation.
 - 2). Press "MODE" key to select "COOL" mode.
 - 3). Press "TEMP" key to set the suitable temp. 16 ~ 30 . (61°F~86°F).
 - 4). Press "FAN" key to select the suitable fan speed, (HIGH, MD, LOW).

CAUTION When the unit is running in COOL mode, in order to keep a good cooling effect, please pay more attention to:

- 1). If there is the direct sunlight at the window, please use the curtain to shield .
- 2). Do not use other heat sources in the air conditioning room.

DRY mode Please close the door and window to obtain a better dehumidifying effect:
Press "MODE" key, select "DRY" mode, the unit will run in the "DRY" mode, at the same time, the upper motor is running at the low speed, it is not adjustable.

CAUTION When the air conditioner is used as dehumidifier, it is no need to install the exhaust duct.

FAN mode

- 1). Press "MODE" key, to select "FAN" mode.
- 2). Press "FANSPEED" key to choose from the HIGH, MD, LOW fan speed options.

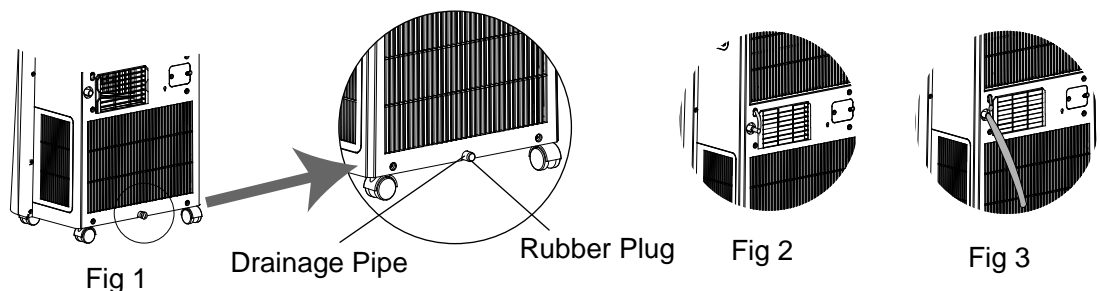
AUTO mode Press "MODE" key to select "AUTO" mode, the microcomputer process will automatically choose COOL, DRY, HEAT mode, for ensuring the indoor constant temperature efficiency.

HEAT mode Press "MODE" key to choose "HEAT" mode, at the same time, compressor and lower motor stop running, only PTC is running, the upper motor is running at the set fan speed.

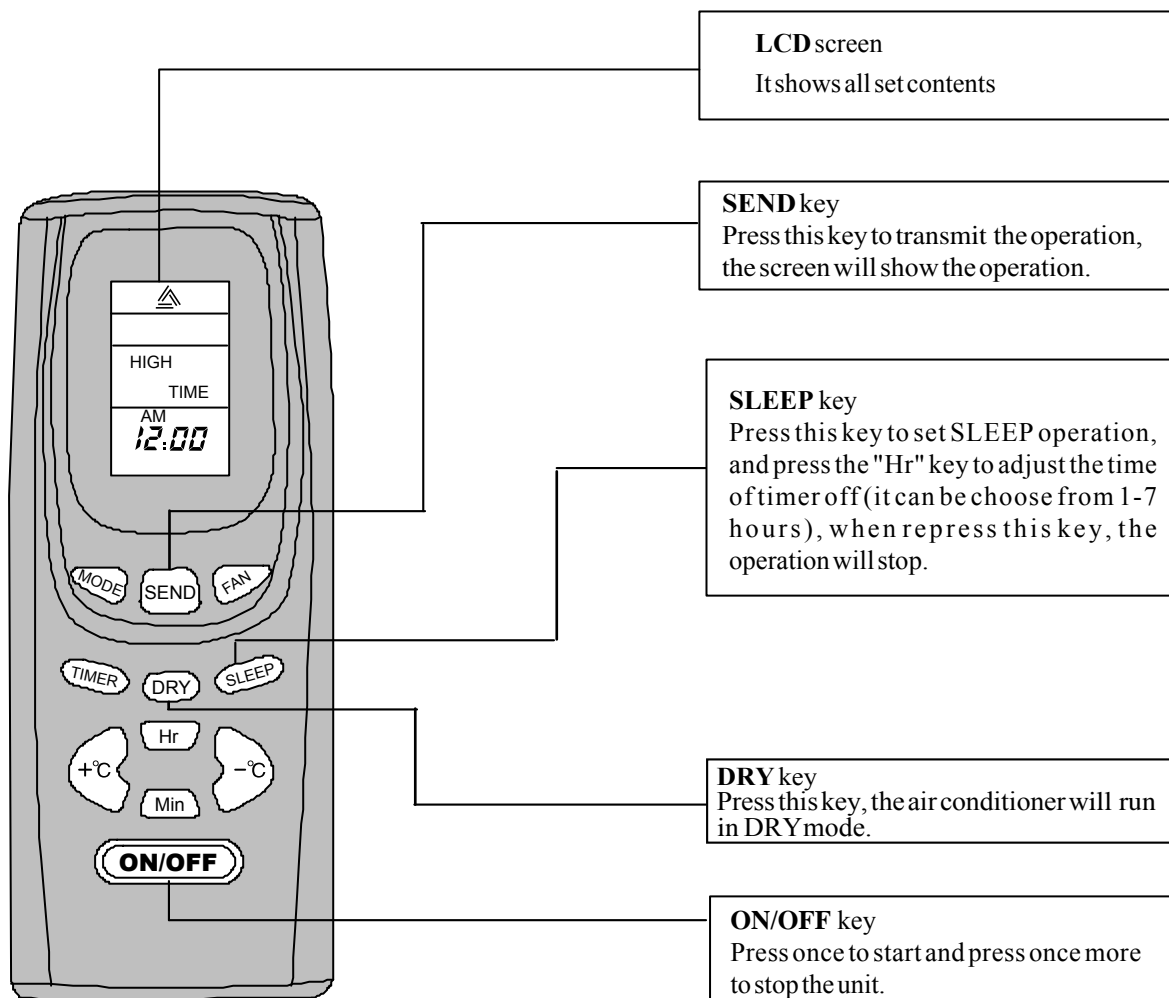
WATER DRAINAGE When in cooling or dehumidifying mode, the dew water will be drained into the tank.
When the tank gets full, the indicator will flash, and the buzzer will sound eight times, LCD window shows error code "H8" , at the same time the unit stops running.

METHOD OF DRAINAGE Cut off power supply, move the appliance to a suitable place to pull out the plug and pour out the water in tank. When water is drained out completely, re-insert the plug back into the drainage pipe to avoid dew water leakage. (As figure shown below Fig 1) When restarting the appliance, it must be set again.

If the appliance is placed in a position admitting to drain water, you also can connect the drain hose to the drain port to drain water. (As figure shown below Fig 2--Fig 3)



NAMES AND FUNCTIONS OF THE REMOTE CONTROLLER



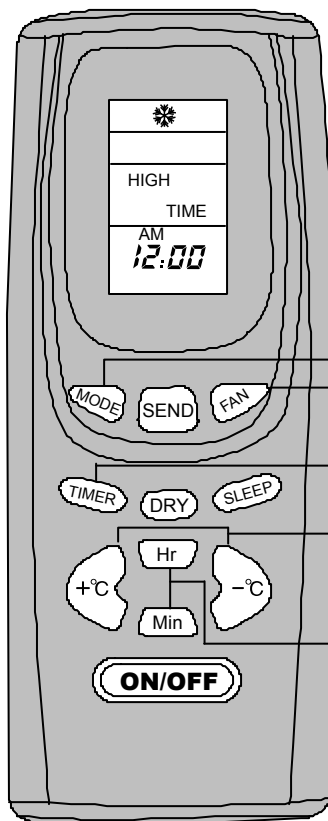
□ Make sure to aim the signal port of remote controller at the signal receiver indicator of front panel.

● Only the **AUTO, ON/OFF, SLEEP, SEND** keys could be used to send the current display operation, the other keys could be used to change the mode.

● The other functions please refer to the cooling only type air conditioner

NOTE: When using Fahrenheit remote controller the sign '°C', '+°C' or '-°C' will be corresponding changed to '°F', '+°F' or '-°F'.

NAMES AND FUNCTIONS OF THE REMOTE CONTROLLER



MODE key

Press the "MODE" key step by step, the LCD will display the COOL-FAN-HEAT-AUTO mode, circularly.

TEMP key

Press ▼ once, the SET TEMP. will decrease 1 . Press ▲ once, the SET TEMP. will increase 1 . The SET TEMP. can be selected from 16 -30 (61°F~86°F).

FAN key

The switchover of FAN mode are HIGH-MD-LOW.

TIMER key

Press the key to select the SET TIMER mode or the TIME mode. When select the "SET TIMER" mode, the LCD will display the time of the SET TIMER mode, while select the "TIME" mode, the LCD will display the current time.

Hr/Min key

When the unit is running in the "TIME" mode, press "Hr" once, the number will increase 1, press "Min" once, the number will increase 1. When the unit is running in the "SET TIMER" mode, press the key once between 0-7, the number of time will increase 0.5, press the key once above 8, the number of time will increase 1. When the unit is running in "SLEEP" mode, press the "Hr" key once, the time interval will increase 1 hour, and will circulate from 1 to 7 hour(s).

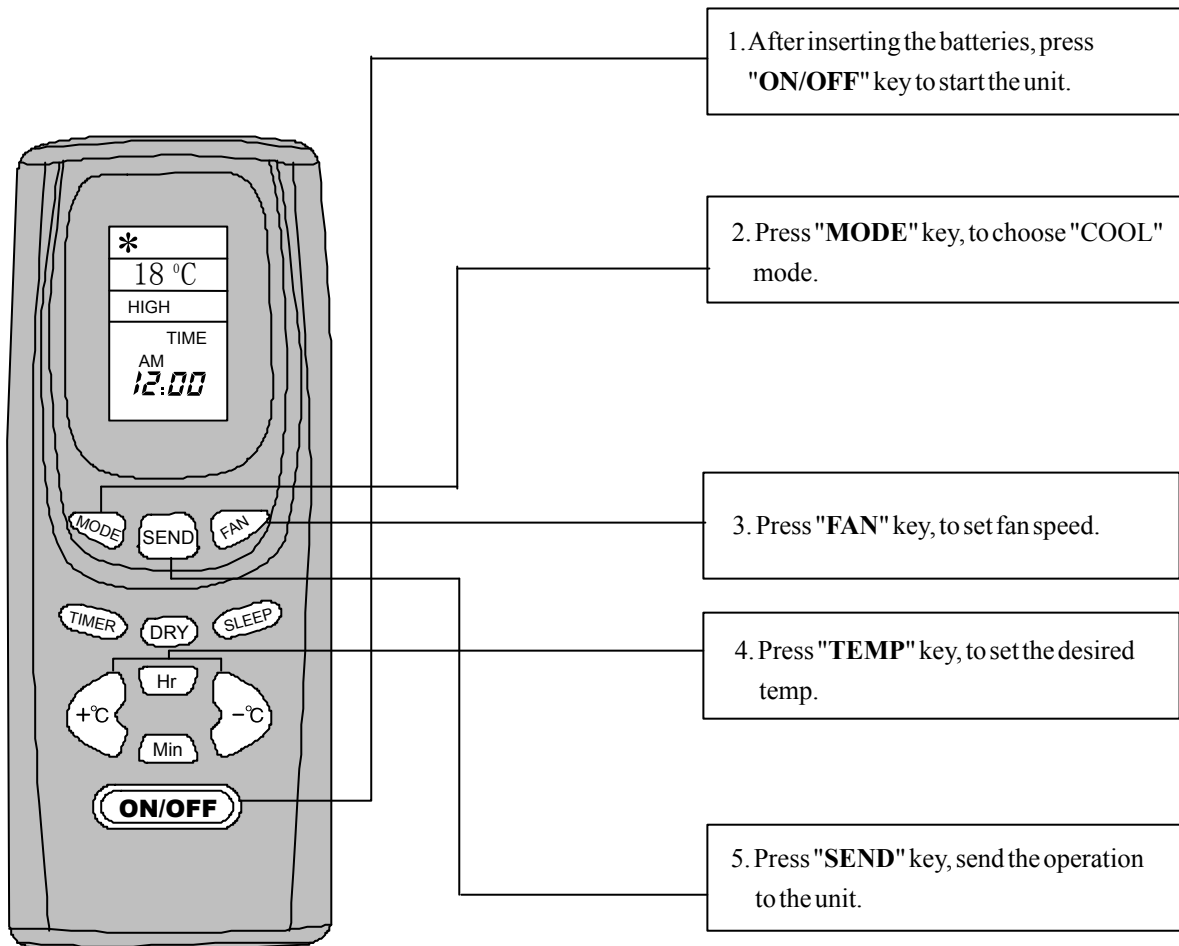
POWER OFF

In case of the power off during the operation, all options will be ceased.

If need to resume the operation, please repress the "SEND" key. If there is malfunction in the operation procedure, or wrong operation due to the thunder, please pull out the power plug, and reinsert it, then press the "SEND" key.

NOTE: When using Fahrenheit remote controller the sign '°C', '+°C' or '-°C' will be corresponding changed to '°F', '+°F' or '-°F'.

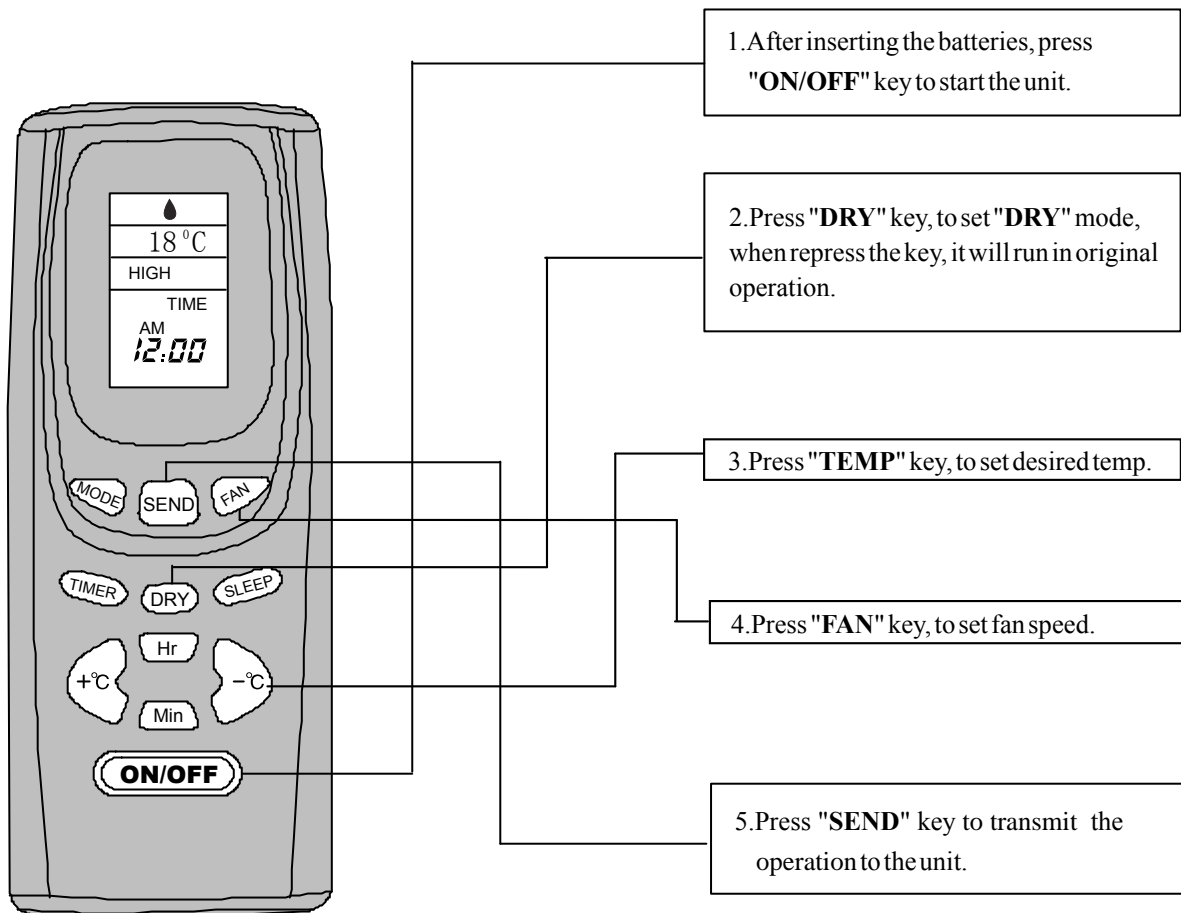
COOL MODE OPERATION



COOL	<p>When temperature of room sensor is higher than the set temp, compressor runs, the unit starts cooling operation.</p> <p>When temperature of room sensor is lower than the set temp, compressor stops, the unit runs in "FAN" mode.</p> <p>The set temp should be in range of 16 ~30 . (61°F~86°F).</p>
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NOTE: When using Fahrenheit remote controller the sign '°C', '+°C' or '-°C' will be corresponding changed to '°F', '+°F' or '-°F'.

DRY MODE OPERATION

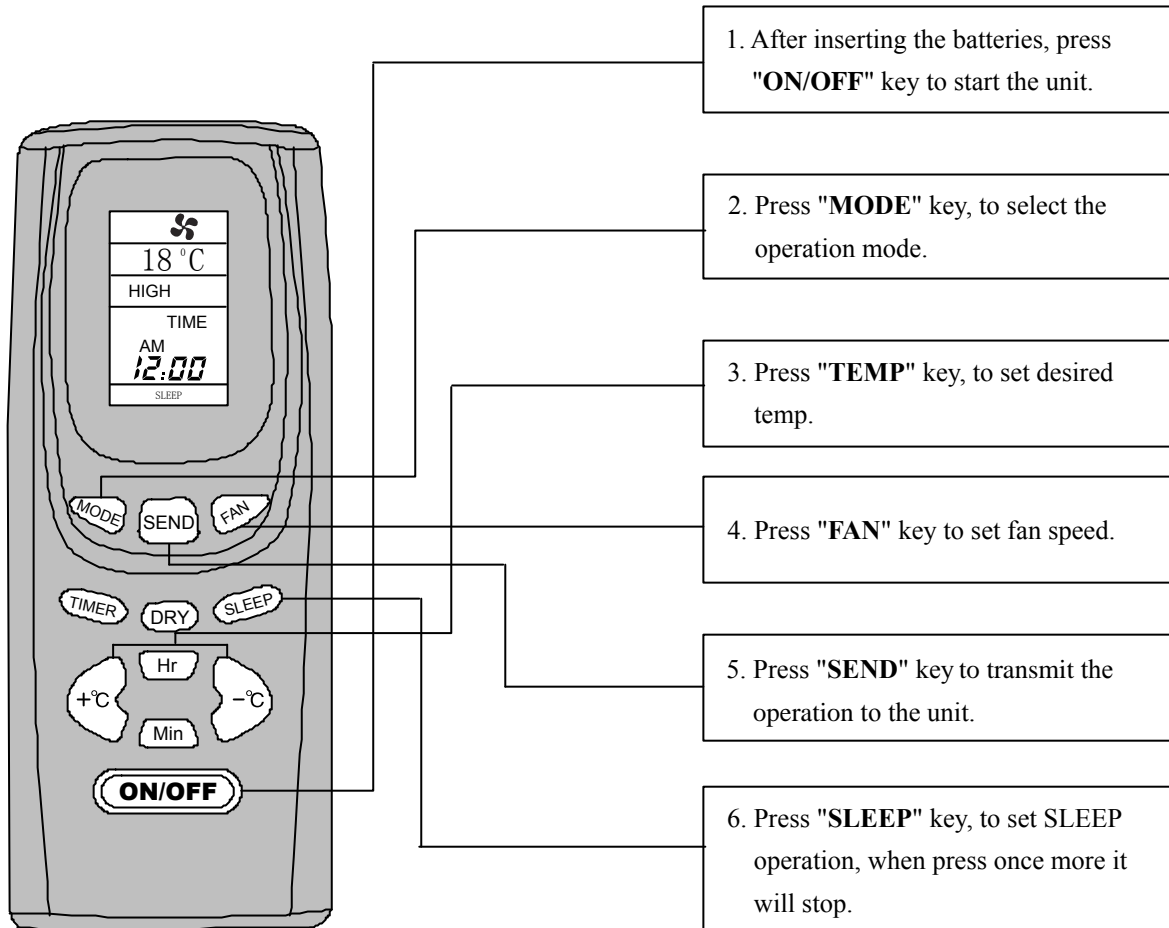


DRY

When the unit is in DRY mode, the compressor is protected, the fan motor runs at low fan speed.

NOTE: When using Fahrenheit remote controller the sign '°C', '+°C' or '-°C' will be corresponding changed to '°F', '+°F' or '-°F'.

SLEEP MODE OPERATION

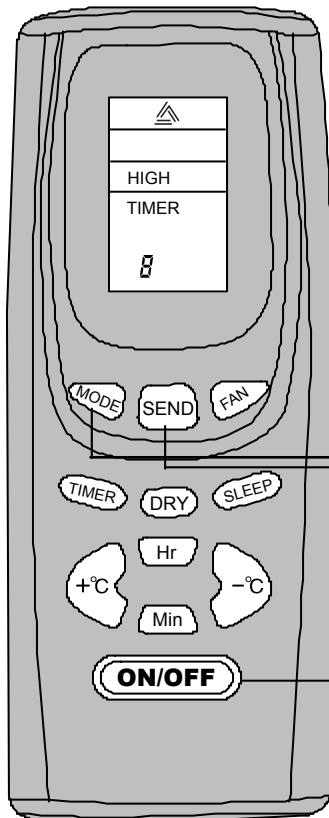


When the unit is running in SLEEP mode, press "Hr" key to set timer on, the interval is 1-7 hours.

When the unit is running in SLEEP mode, according to the time changes, it could adjust the original set temp automatically to save energy and make a comfortable sleeping.

NOTE: When using Fahrenheit remote controller the sign '°C', '+°C' or '-°C' will be corresponding changed to '°F', '+°F' or '-°F'.

AUTO MODE OPERATION



1. After inserting the batteries, press "ON/OFF" key to start the unit.

2. Press "MODE" key, select "AUTO" mode, according to the room temp, the microcomputer will adjust the turn on or turn off of the compressor and fan motor automatically to offer comfortable effect.

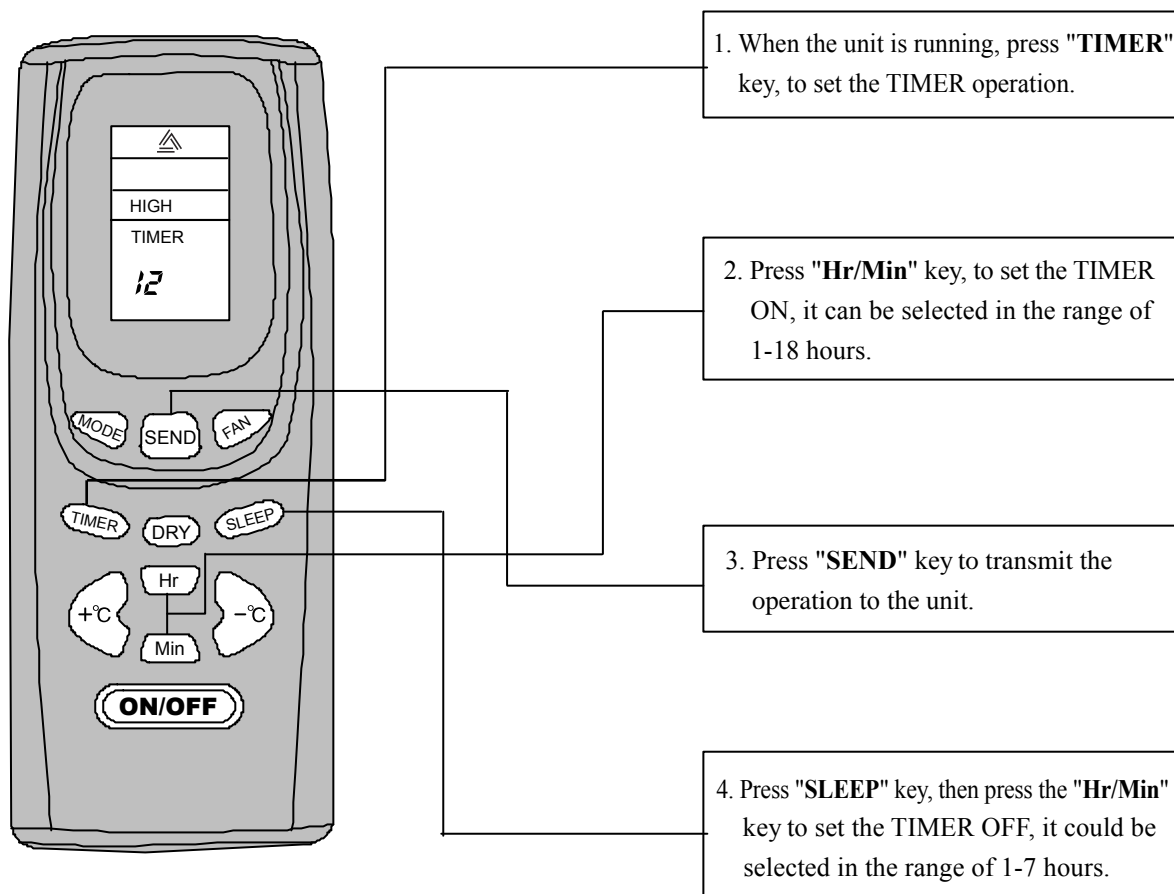
3. Press "SEND" key to transmit the operation to the unit.

AUTO MODE

According to the room temp, the microcomputer will adjust the turn on or turn off of the compressor automatically to offer comfortable effect.

NOTE: When using Fahrenheit remote controller the sign '°C', '+°C' or '-°C' will be corresponding changed to '°F', '+°F' or '-°F'.

TIMER MODE OPERATION



After the SET TIMER ON, the unit turns off at once, when the set time arrived, the unit will run in original mode.

Press "TIMER" key, to select "TIME", the screen will display the current time, press "Hr/Min" key to adjust the number of current hour or minute.

When pressing the "SLEEP" key to set the "SLEEP" mode, the "SET TIMER" mode will be canceled, when selecting the "SET TIMER" mode, the "SET SLEEP" mode will be canceled.

NOTE: When using Fahrenheit remote controller the sign '°C', '+°C' or '-°C' will be corresponding changed to '°F', '+°F' or '-°F'.

INSTALLATION GUIDE FOR CASTOR, DRAINAGE PIPE AND AIR EXHAUST ACCESSORY

THE AIR EXHAUST DUCT MOUNTING METHOD

1. Install the adjustable window silder kit or drill a hole at the nearest window.
2. Fix the square end of the exhaust duct to the exhaust terminal of the unit as depicted in Fig 4.
3. Put the other end (discharge) to the window as depicted in Fig 5 or Fig 6.

Attention:

The length of the air exhaust must be between 500mm--2000mm.

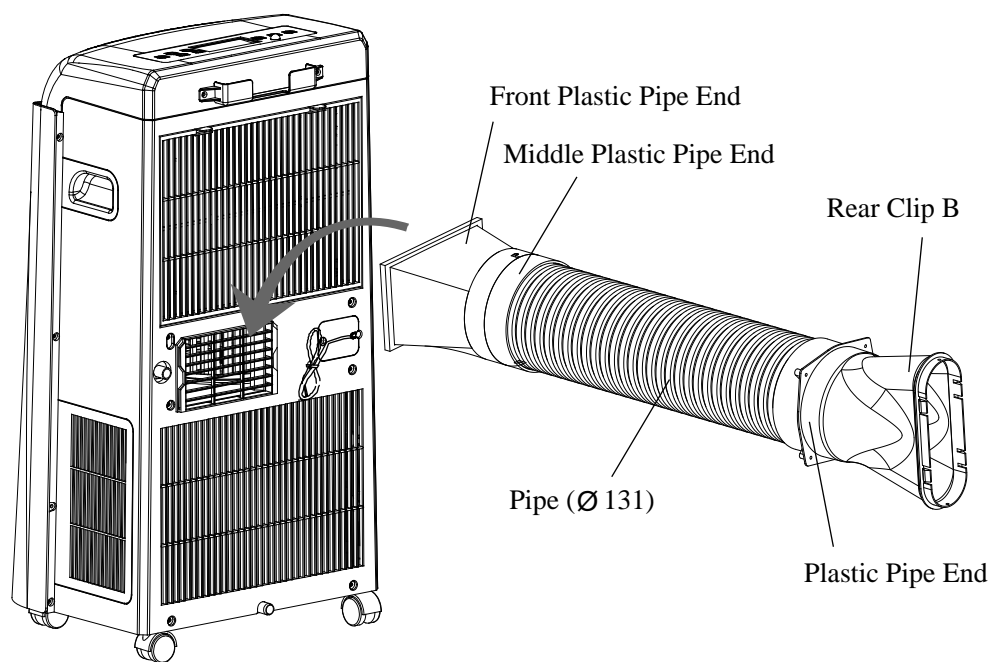
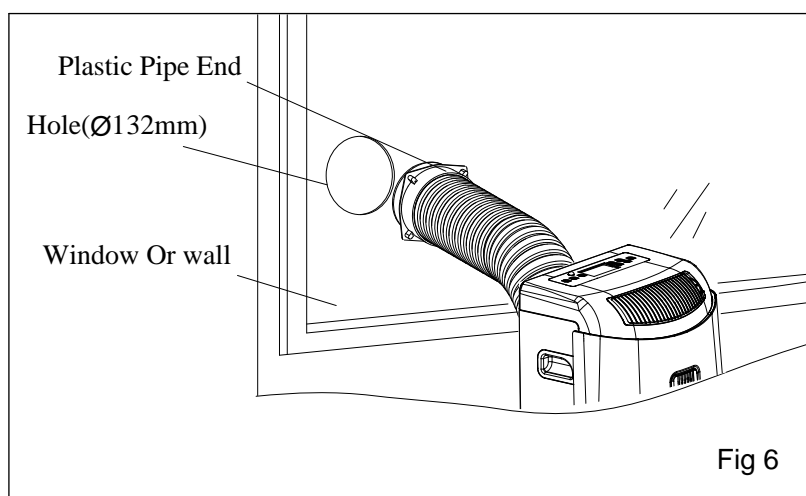
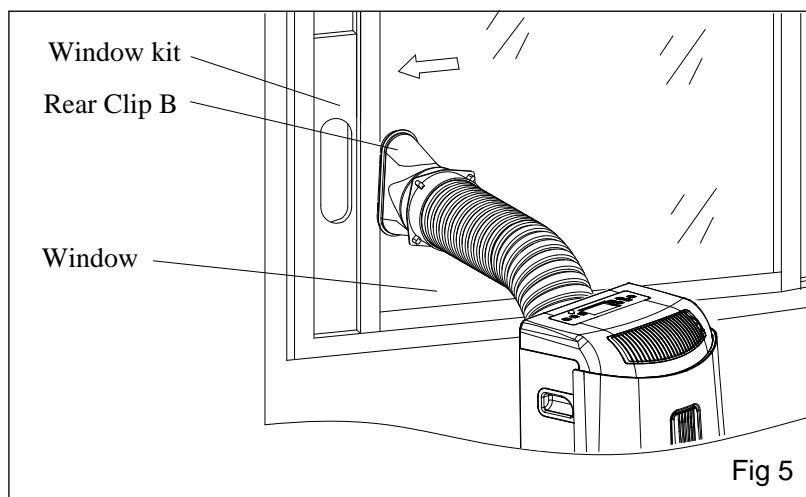


Fig 4

INSTALLATION GUIDE FOR CASTOR, DRAINAGE PIPE AND AIR EXHAUST ACCESSORY

CAUTION

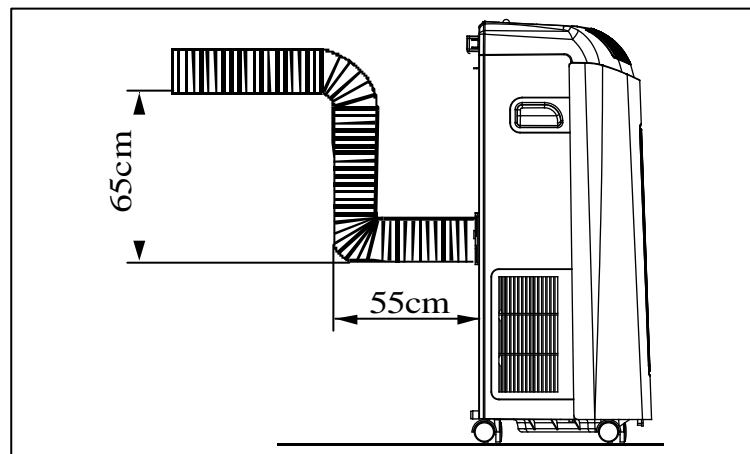
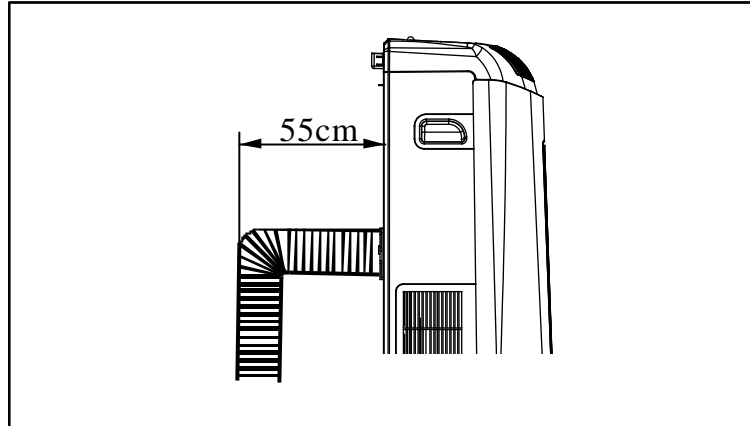
1. In order to correctly installing the air exhaust duct please contact your local dealer for the service.
2. When mounting, try to keep the square end of the exhaust duct horizontal.
3. Don't add or connect other pipes to it, otherwise it will cause mechanical malfunction.



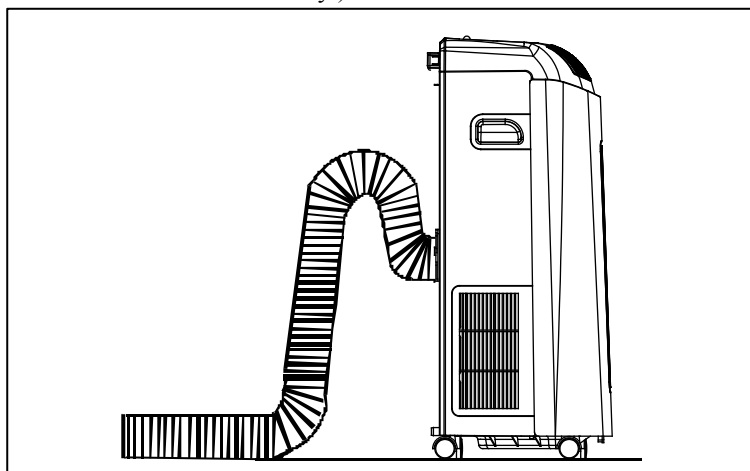
THE INSTALLATION GUIDE FOR ACCESSORY OF EXHAUST DUCT

If the exhaust duct requires bend, please refer to the following installation dimensions

CAUTION 



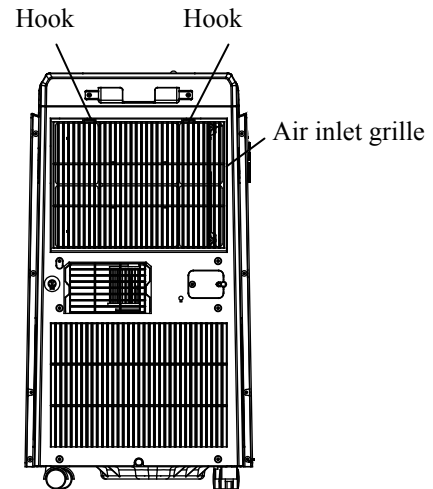
The wrong mounting diagram (if the exhaust duct is bent too great, it could cause malfunction easily.)



CARE AND MAINTENANCE

The mobile air conditioner

There are castors at the bottom of the unit, according to the demand, it can be moved in the room very conveniently.



WARNING

Before maintenance, please pull out the power plug and cut off power supply to avoid electric shock.

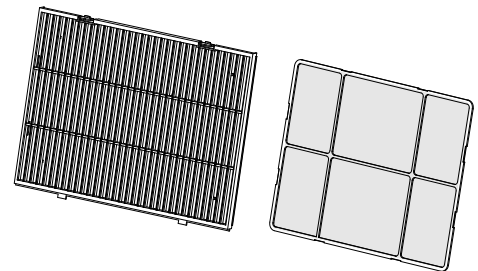
Clean the air filter (Recommended once every three weeks)

If the usage environment of the unit has lots of dust, the cleaning of air filter should be more frequently.

Disassembly and Cleaning:

Press two hooks of the grille, take off the cover of air inlet grille, then take out the air filter.

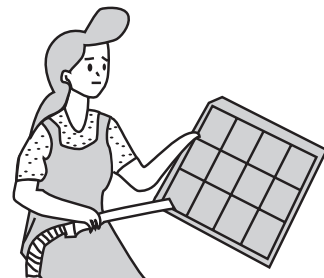
Wash the filter solely, to spray(like the spray in bath) and to shake the filter, or to immerse filter into the gentle soap water, then dry it in shade.



WARNING

NOTE:

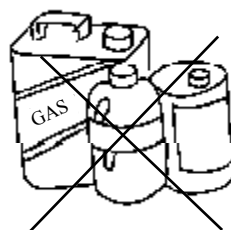
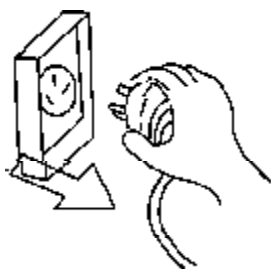
- Never use water above 45°C to wash the filters, or it could cause deformation or discoloration.



CARE AND MAINTENANCE

Clean the air conditioner

Please use a cloth that slightly moistened with water whose temperature is below 40°C (or the soap water or the water with cleanser) after wiping the dirt. Do not use gasoline, diesel oil or the congeneric substance to clean the unit. Before cleaning, please pull out the power plug.



TROUBLE SHOOTING

If malfunction occur, please check the following before maintenance:

Troubles	Possible Causes	Solutions
The air conditioner doesn't start.	The power supply is not connected well. The power plug is not inserted tightly. There is the malfunction of power plug or socket. The fuse is broken.	1. Insert the power plug tightly. 2. Replace the power plug or socket. 3. Ask for the maintenance man to replace the fuse.
The LCD displays the number of time, but it doesn't work.	Is the TIMER ON in operation?	Cancel the "SET TIMER" operation or to wait the auto running.
Although it was set to COOL mode, there is no cool wind.	1. The room temp. is lower than the set temp. 2. The evaporator frosts.	1. This is the normal phenomenon. 2. Unit is running in defrosting operation, it will resume running in original operation after defrosting.
Although it was set the DRY mode, there is no cool wind.	1. The evaporator frosts.	1. Unit is running in defrosting operation, it will resume running in original operation after defrosting.
The LCD displays "E1".	1. Power supply is unstable. 2. Malfunction occurs.	Cut off power supply, after 10 minutes, turn on the unit, if "E1" still be displays, please inform the maintenance man to maintain.
The LCD displays "H8".	The water tank gets full.	1. Pour out water in the tank (please see the fig in P8). 2. If the malfunction still exists, please inform the maintenance man to maintain.

USER NOTICES

Location

Do not install the unit in the hermetic place, and keep well ventilation, to avoid malfunction occurs.

Do not install the unit at where it will be exposed to direct sunlight, in order to avoid fading and efficiency reducing.

Do not install the unit in the moist place, it can cause electrical leakage.

Please do not install the unit to the following places:

The places with gas, fire, oil or where it will cause malfunction.

Others

Please pay attention to the people of following:

- 1). Young children, patient.
- 2). The people who are hard to express themselves.
- 3). The people who is very tired, drunk or the one who had taken soporifics.

Do not step on or put anything on the top of the unit, it will slop and can cause malfunction.

Do not apply the cold wind to the body for a long time, it can cause health problems.

The unit should be placed about 1m or more away from TV, or it will be effected by the electromagnetic wave.

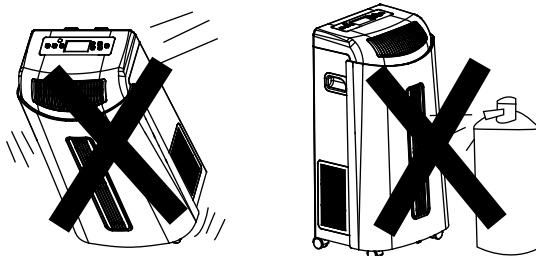
The air inlet/outlet can't be blocked by obstruction, or it will cause malfunction.

Do not insert hands or stick into the air inlet or outlet, especially pay more attention to young children, or it can cause the accident easily.

USER NOTICES

Do not incline or overturn. If the abnormal phenomenon occurred, please pull out the power plug at once, and inform the dealer to check and maintain.

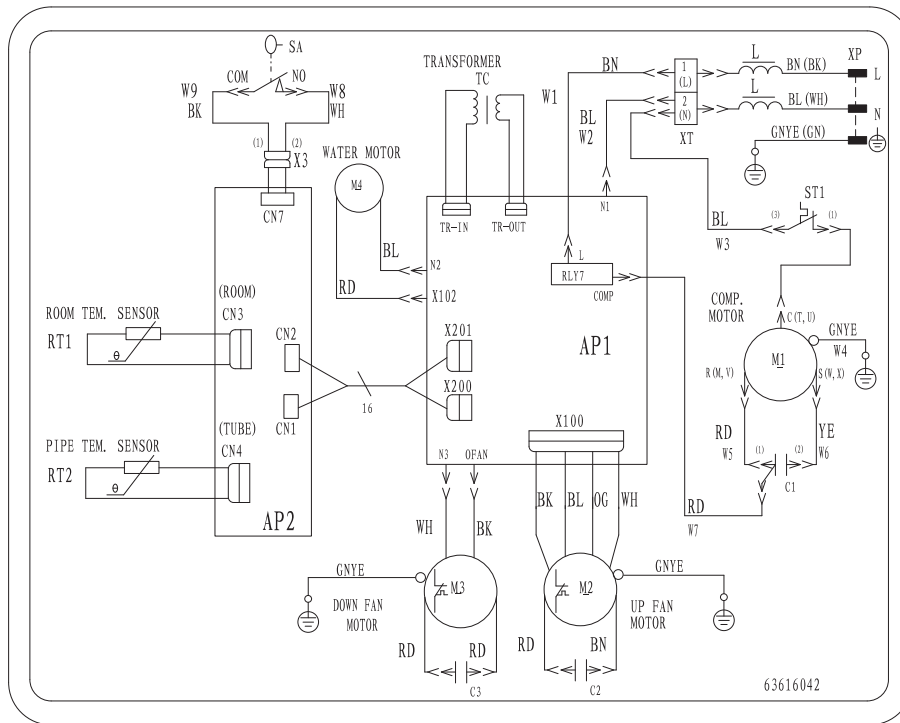
Do not use the insecticide or other sprays, it can cause deformation or crack..



AFTER SERVICE

If any quality problems or any other problems exist, please contact with the local dealer.

CIRCUIT DIAGRAM



AMC-09C

The circuit diagrams of all above are for reference, they are subject to be changed without notice.