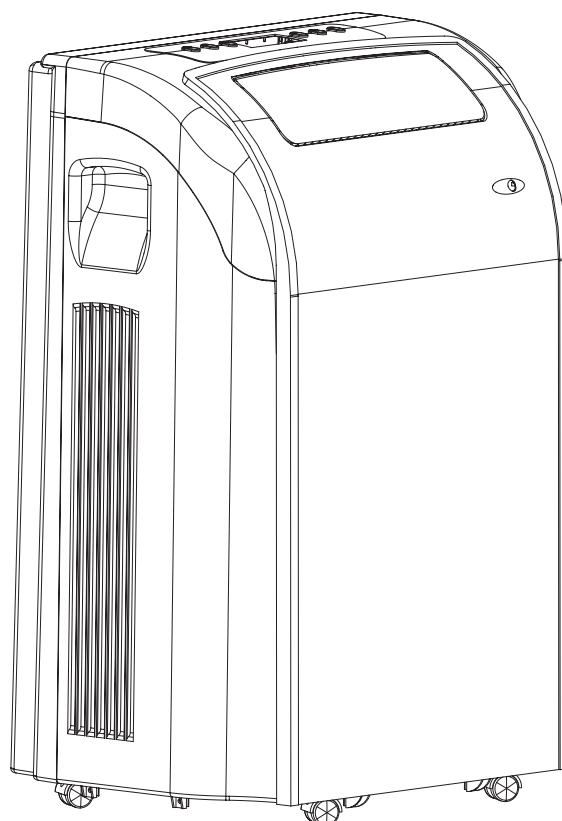




Owners' manual  
PORTABLE AIR CONDITIONER  
**Serie MUPO-11-RE**  
CODE: CL 20 095



Please read this manual carefully before operating the unit

## SUMMARY

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## SUMMARY

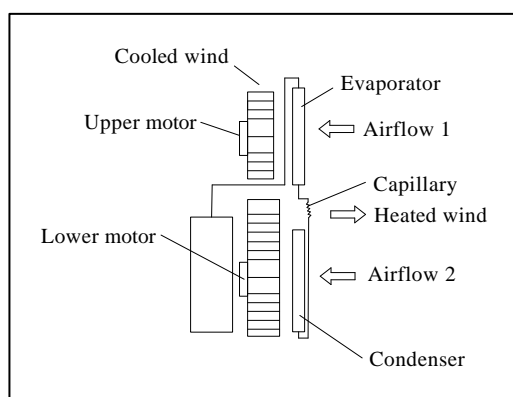
This MOBILE AIR CONDITIONER is a small, moveable air conditioner. It possessed the functions of COOL, HEAT, DRY and the Separate Ventilation, and depends on different places, it can be moved as will. It is fit for home and office use, especially fit for the house with many rooms. With the compact configuration, 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



## SAFETY LABELS OF THE UNIT

Your safety and the safety of others are very important.

We have provided many important safety messages in this manual and on your appliance. Always read and obey all safety messages.



This is the safety alert symbol.

This symbol warns you to the potential hazards that can kill or hurt you and others.

All safety messages will follow the safety alert symbol and either the word "DANGER" or "WARNING." These words mean:

 **DANGER**

You can be killed or seriously injured if you don't immediately follow instructions.

 **WARNING**

You can be killed or seriously injured if you don't follow instructions .

All safety messages will tell you what the potential hazard is, how to reduce the chance of injury, and what will happen if the instructions are not followed.

## SPECIFICATION

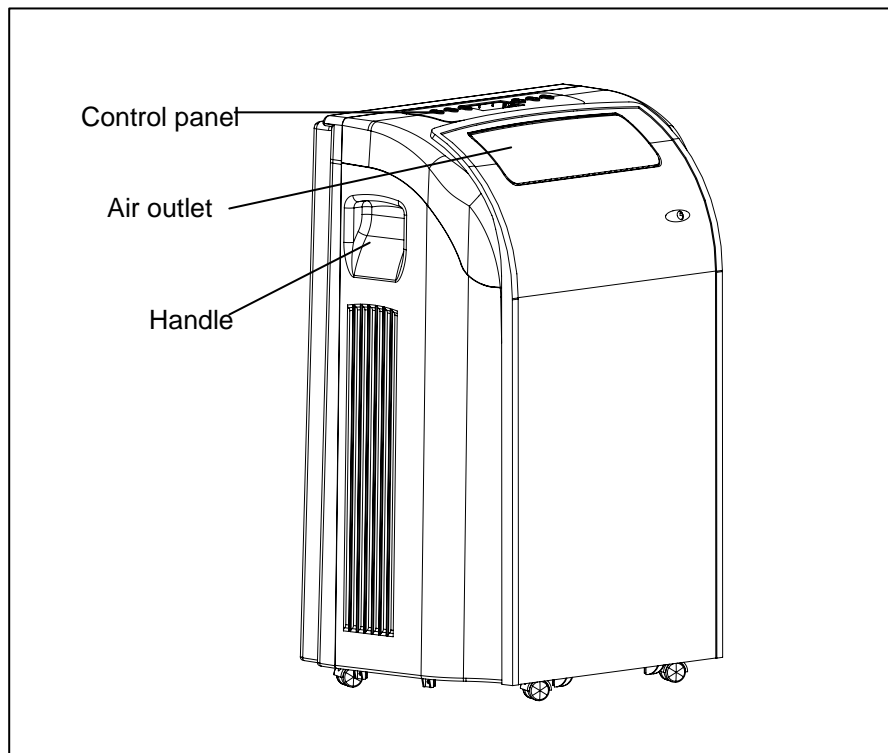
Models	GPEN12A5NK3BA
Cooling capacity (BTU)	12000
Heating capacity (W)	2400
Rated voltage	230V
Rated frequency	50Hz
Cooling rated current (A)	6.0
Max. cooling/Heating input current (A)	7.0/12.8
Cooling rated power (W)	1380
Heating rated power (W)	2450
Max. input power (W)	1610
Airflow (m <sup>3</sup> /h)	570
Refrigerant and charge amount	R410A 1050g
Noise (sound press)(cool air outlet)(dB)	59
Weight (N.W.)	47kg
Dimension (H×W×D) (mm)	840×546×405
Package dimension (H×W×D) (mm)	885×761×460

Note: 1. Cooling capacity is tested when indoor temp. dry bulb 27℃ and wet bulb 19℃(indoor outside is the same) without air outlet pipe.

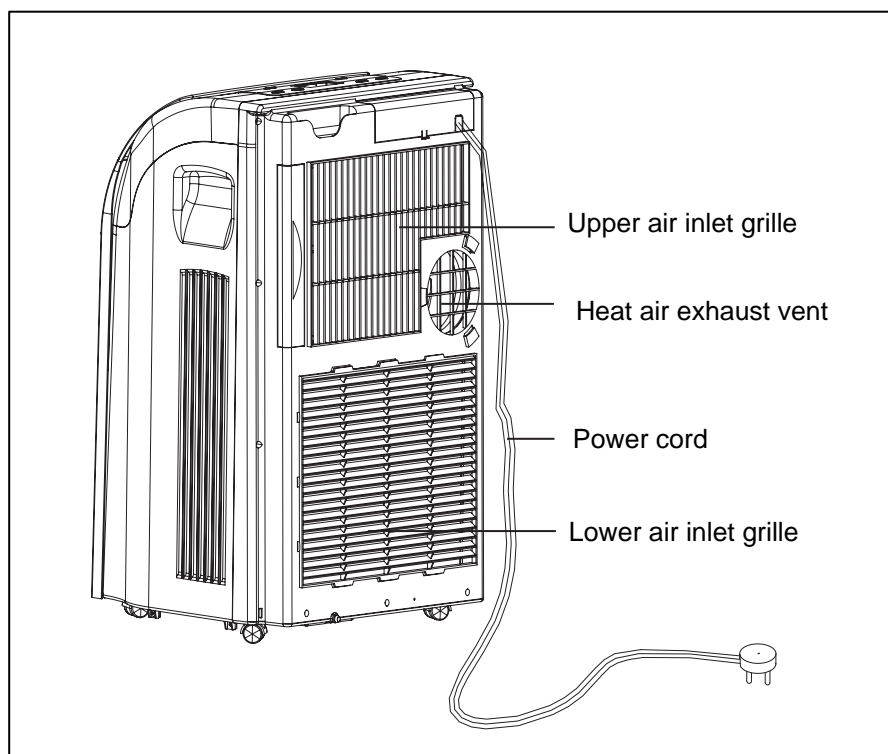
2. Heating capacity is tested when indoor temp. dry bulb 20℃ and wet bulb 12℃.
3. Max. input power is tested under cooling mode when indoor temp. dry bulb 35℃ and wet bulb 24℃.
4. Noise is tested 1m in front of front air outlet vent under cool air state, it is sound press grade.
5. Please refer performance parameter on nameplate as standard. The design are subject to be changed without notice.

## STRUCTURE

Front



Rear



## OPERATING METHODS

### ※. Usage notice

The working range of COOL mode and DRY mode      The working range of COOL mode is 16°C–35°C.

### Unpack the Air Conditioner

#### WARNING

##### Excessive Weight Hazard

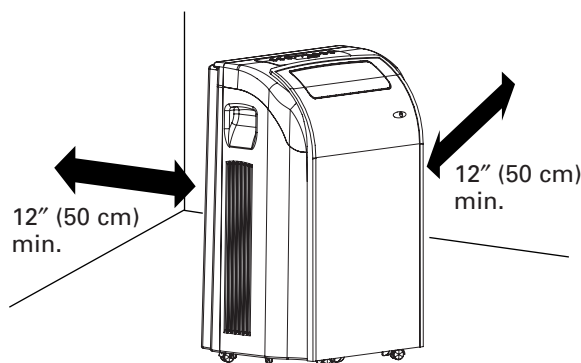
- Use two or more people to move and install the air conditioner.
- Failure to do so can result in back or other injury.

### Remove packaging materials

- Remove and properly dispose the packaging materials. Remove tape and glue residue from surfaces before turning on the air conditioner. Rub a small amount of liquid dish soap over the adhesive with your fingers. Wipe with warm water and dry it.
- Do not use sharp instruments, rubbing alcohol, flammable fluids, or abrasive cleaners to remove tape or glue. These products can damage the surface of your air conditioner.

### Place requirements:

- Place the air conditioner on a smooth level floor that strong enough to support the unit.
- Allow at least 12 inches (50 cm) of air space on all sides of the unit for good air ventilation.



- Place the unit in an area where the temperature will not fall below 18°C. The coils will be covered with frost at temperatures below 18°C, and this may reduce performance.

NOTE: The portable air conditioner has wheels for easy movement, but it should only be rolled on smooth and flat surfaces. Do not attempt to roll the portable air conditioner on carpet or over objects.

## OPERATING METHODS

### ※. Usage notice

#### Electrical Requirements

#### WARNING

##### Electrical Shock Hazard

- Plug into a grounded 3-prong outlet.
- Do not use an extension cord.
- Do not remove ground prong.
- Do not use an adapter.
- Failure to follow these instructions can result in death, fire, or electrical shock.

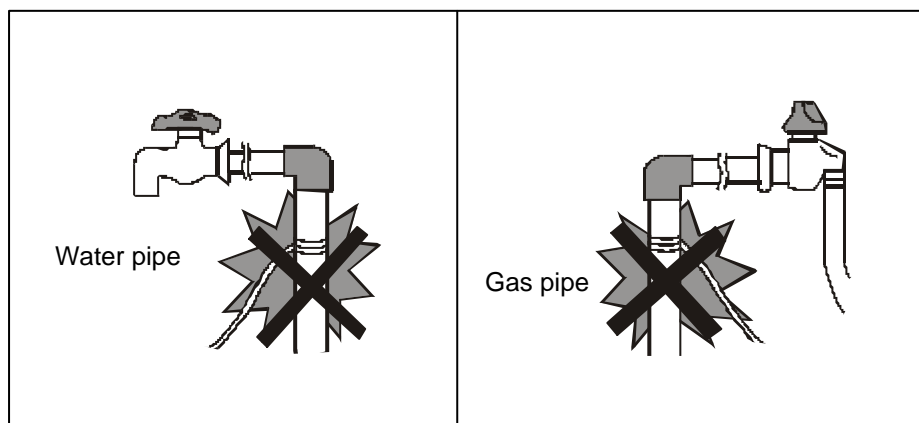
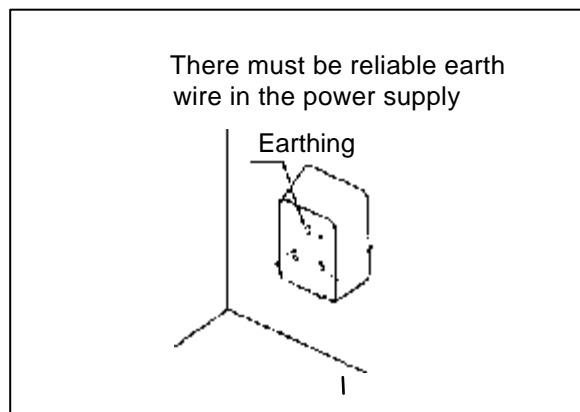
- Power must adopt the rated voltage and special circuit for AC. And diameter of power cord should be big enough.
  - The portable air conditioner should be connected to a 230V 50Hz, 15 fused 3 prong grounded outlet.
  - Time-delay fuse or time-delay circuit breaker is recommended to be used.
  - All wiring must comply with local and national electrical codes and should be installed by a qualified electrician.
- If you have any questions, contact a qualified electrician.



## OPERATION METHOD

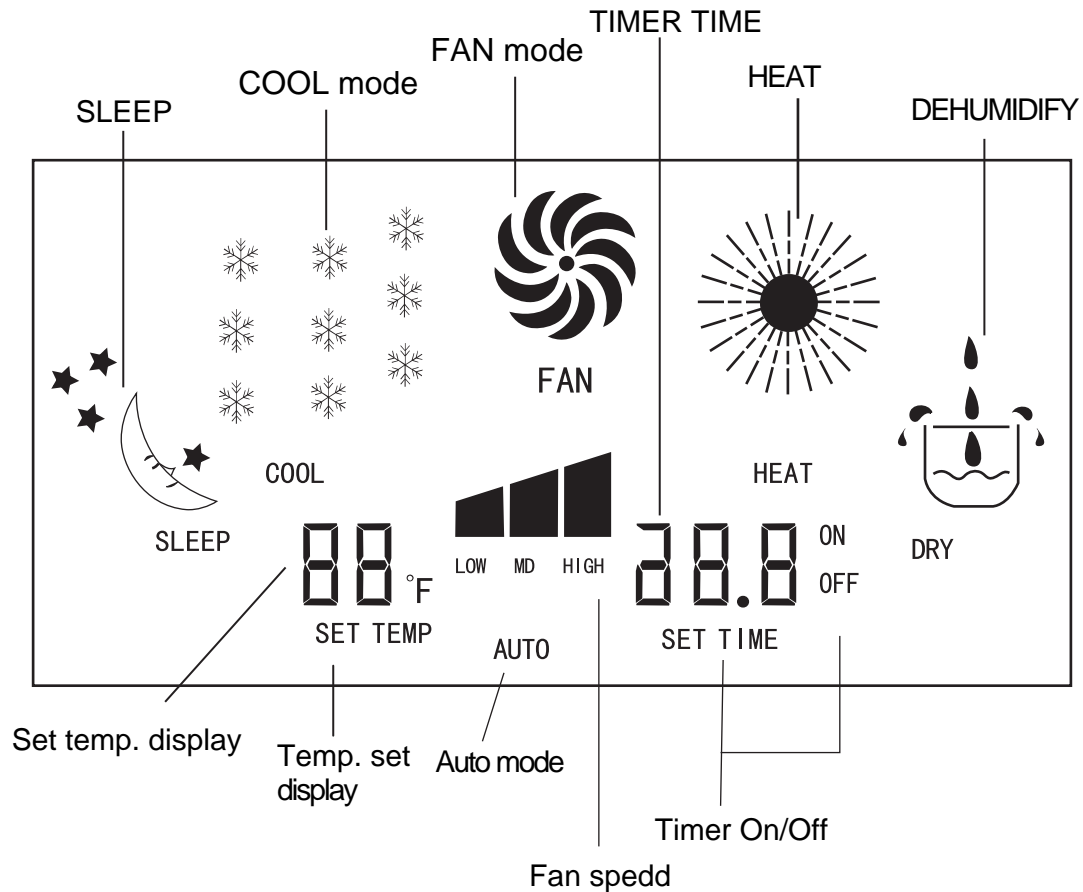
### ※. Usage Notice

- The wiring must be operated by the professional personnel by following the national regulation. There must be electric leakage protect switch and magnetic and heat drop-off air switch that with enough capacity in fixed circuit. Don't connect earth wire to water pipe or gas pipe. When the air conditioner is not used, please pull out the power plug or cut off power supply.

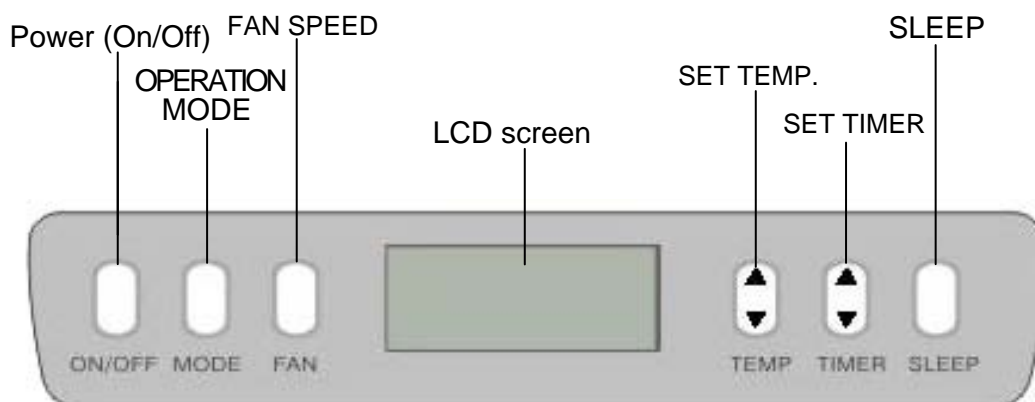


## OPERATION METHOD

- LCD instruction (dynamic display)



- Functions for control panel and every button



## OPERATION METHOD

### ※. Functions of displayer and panel



This unit contains memory function. When power outage occur during operation, the unit stops running. After electrified, the unit would still operates with the operation mode before power outage.

Functions of buttons on control panel:

#### 1. ON/OFF

Turn on or off the unit (press once to turn on, and repress to turn off).

#### 2. MODE

It can make modes(functions) of this unit change in cycle for user to select proper function. Function changes on this mode is: Auto→Cool→Dry→Fan→Heat (only cooling and heating unit contains this function)

#### 3. Fan speed selection button--FAN

When unit is running in FAN, COOL, or HEAT, there are 3 speeds for options. Press FAN serially can change fan speed in order of: LOW→MID→HIGH.

#### 4. Temperature setting button--TEMP

When turning on the unit, under cooling or heating mode, set temp. value would be displayed on control panel. Press + and – to increase or decrease set temp. value.

#### 5. TIMER

Press + and – to set timer time to enable the unit turn on and off in set time. Timer off time can be set when unit is running, and timer on time can be set when unit is off (but not power outage). Timer can be set in range of 0.5-24 hours, and press + and – to adjust.

#### 6. SLEEP

When unit is running, press this button once to begin SLEEP, repress to quit from SLEEP state. There is no SLEEP state under AUTO mode.

## OPERATION METHOD

### ※. Functions of displayer and panel

#### COOLING

- 1). Press MODE to select COOL mode.
- 2). Press TEMP to set proper indoor temperature in range of 16°C-30°C.
- 3). Press FAN to set proper fan speed, HI / MD / LO.



When cooling, for improve cooling effect, please note:

- ① When there is sunshine from window, please draw curtain to shield.
- ② Try not to use other heat source in the room.

#### DEHUMIDIFY

Close windows and doors can get a better dehumidify effect:  
Press MODE and select DRY, then unit runs in dehumidify mode. At this time, upper fan motor runs in low speed and is unadjustable.



When the unit is used as dehumidifier, heat exhaust pipe is unnecessary.

#### FAN

- 1). Press MODE to select FAN mode.
- 2). Press FAN to select fan speed at HI, MD and LOW.

#### AUTO

Press MODE to select AUTO, then mode microcomputer would select FAN, COOL, HEAT and DEHUMIDIFY automatically according to indoor ambient to offer a temperature constanting effect in the room.

#### HEATING

Press MODE to select HEAT. At this time, compressor and lower fan stop running with only electric heater works. Upper fan runs in set speed.

## OPERATION METHOD

### ※. Names and functions of parts of wireless remote control



#### ON/OFF

##### ON/OFF

- Press this button once to turn on the unit, repress to turn it off.

#### MODE

##### MODE

- Press this button when unit is on can select AUTO, COOL, DEHUMIDIFY FAN, or HEAT.

- ❄ Stands for COOL.
- 💧 Stands for DEHUMIDIFY.
- 🌀 Stands for FAN.
- ☀ Stands for HEAT (Note: Cooling only unit cannot receive HEAT).

#### FAN

##### FAN

- When unit is on, press this button in AUTO, COOL, FAN or HEAT mode can select LO, MD, HI. Under dehumidify mode the fan speed is LO. Fan speed under every mode can be remembered.

#### SWING

##### SWING

- When unit is on, press this button once to start swing, repress to quit. (Those models don't have the fuction.)

#### SLEEP

##### SLEEP

- Press this button once under COOL, DEHUMIDIFY and HEAT to begin SLEEP, then press TIMER+ or TIME- can adjust timer off time (from 1-7 hrs). Repress once to quit.

#### T-ON

##### T-ON

- Press this button once to begin Timer On and the symbol of Timer On blinks When unit is on, every press of TIMER+ Timer On time increase 0.5h, when the value is larger than 8hs, increase 1h. Press TIMER- to decrement 0.5/1h. The time cycles in 0-18 hours.

## OPERATION METHOD

### ※. Names and functions of parts of wireless remote control



CLOCK

CLOCK

- Press this button once, then clock symbol blinks, unit enters clock adjust state. Under clock adjust state, every press of TIMER+, min digit at clock increase 1; when pressing it consecutively for more than 1s, every half second value at 2<sup>nd</sup> digit increase 1. Every press of TIMER- value on min digit decrease 1; when pressing it consecutively for more than 1s, every half second value at 2<sup>nd</sup> digit decrease 1. After adjustment, repress CLOCK to confirm.

TEMP+(-)

TEMP+ (-)

- Every press of + set temp. increase 1°C, every press of - set temp. decrease 1°C. Temperature set range is at 16~30°C. Temperature can be memory under every mode.

T-OFF

T-OFF

- This button is unavailable.

CANCEL

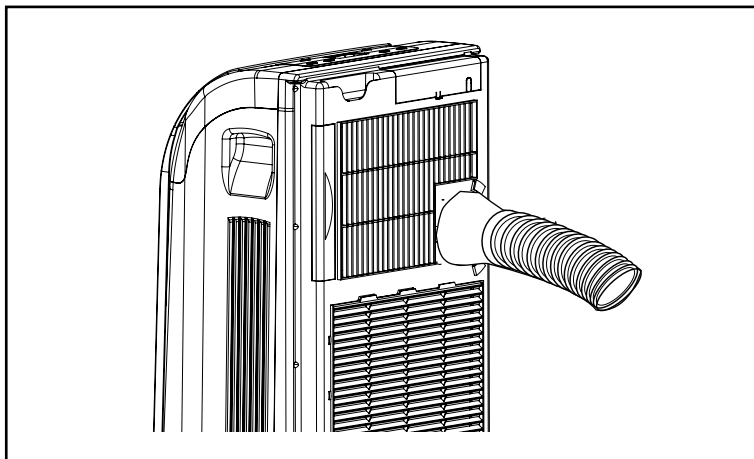
CANCEL

- To cancel timer on setting.

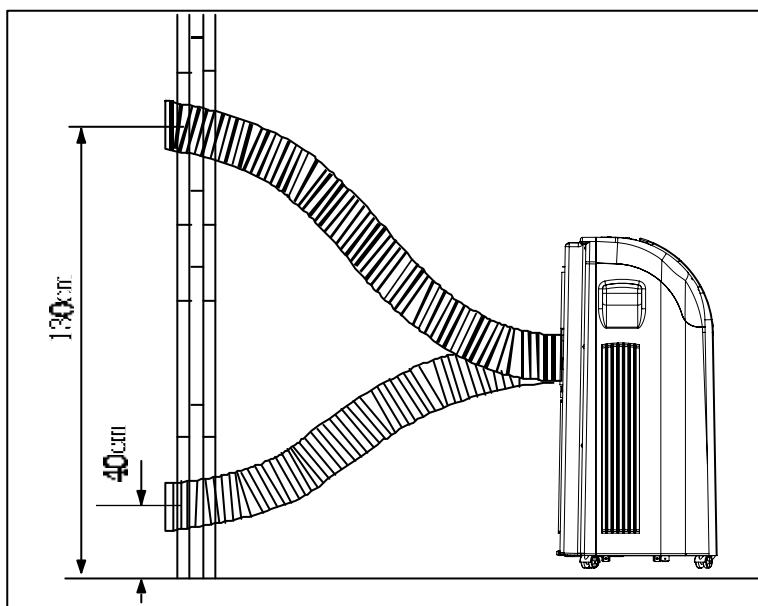
## ACCESSORIES AND INSTALLATION OF HEAT EXHAUST HOSE



- Length range of exhaust pipe should be 500mm-2000mm. It is recommended to use it with shortest length.
- When installing, exhaust pipe should be as flat as possible. Don't prolong the pipe or connect it with other exhaust pipe, or it would cause abnormal operation.



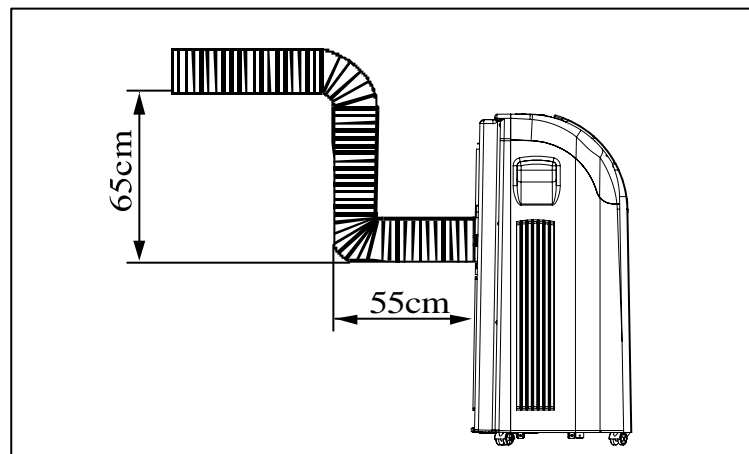
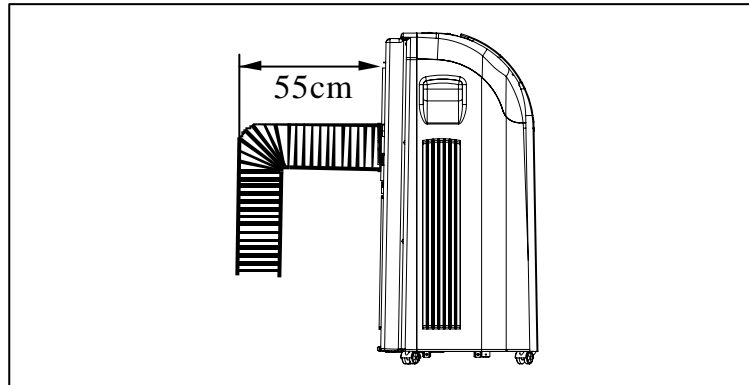
Correct installation is as shown in figure (When installing it on wall, height of hall should be about 40cm-130cm from floor).



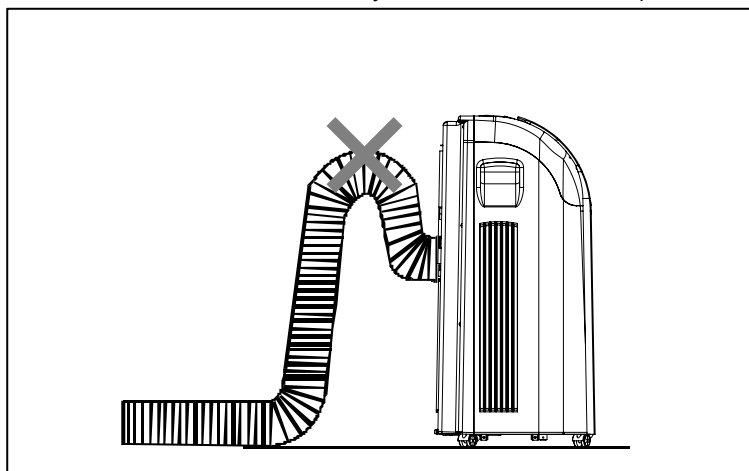
## ACCESSORIES AND INSTALLATION OF HEAT EXHAUST HOSE



If the pipe are to be bent, please install it by considering following dimension.



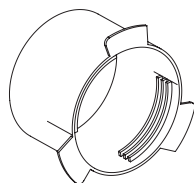
Wrong installation is shown in following figure (If the pipe is bent too much, it would easily cause malfunction.)





# ACCESSORIES AND INSTALLATION OF HEAT EXHAUST HOSE

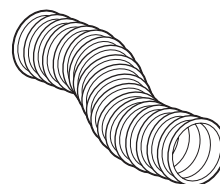
## PARTS INCLUDED



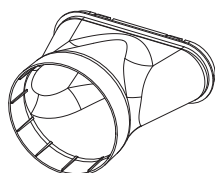
Front plastic pipe end



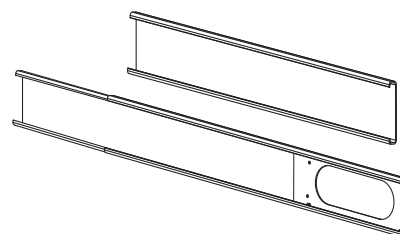
Rear plastic pipe end



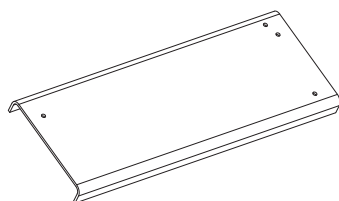
Flexible Exhaust Hose



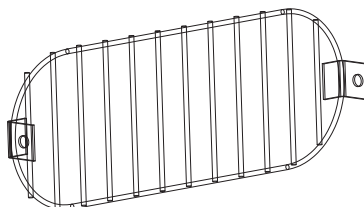
Window Exhaust Adapter



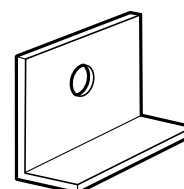
Adjustable Window Slider (3)



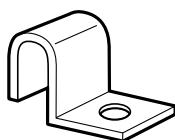
Rain Deflector



Front grill



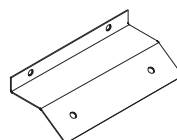
Window Locking Bracket (2)



Window Slider Bracket (2)



Bracket 1



Bracket 2



Spring Gasket(4)



Seal sponge(2)



Gasket (4)



Bolt (4)



Nut (4)

## INSTALLATION PROCESS OF HEAT EXHAUST HOSE

**NOTE:** If installing slider in a sliding window or patio door, skip to step 1 of F to I and proceed.

### 1 INSTALL WINDOW SLIDER IN A DOUBLE HUNG WINDOW

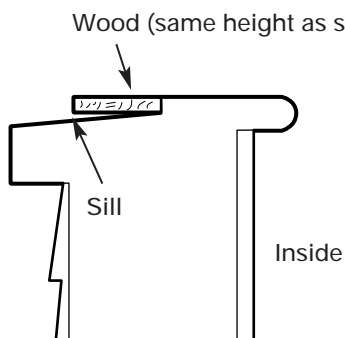
- A** To allow the window to close properly around the adjustable window slider, attach a piece of wood to the sill at the back of the window stool.

**WOOD PIECE WIDTH:** 1 –

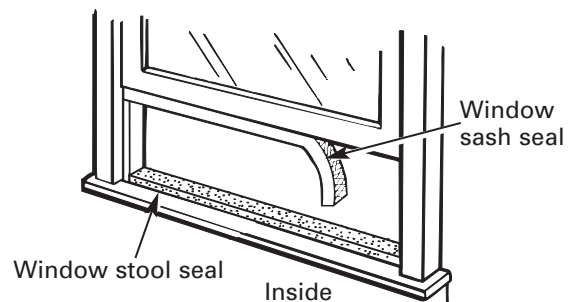
**LENGTH:** Long enough to fit inside the window frame.

**THICKNESS:** To determine the thickness, place a piece of wood on the sill behind the window stool to make it the same height as the stool.

Attach securely with nails or screws provided by the installer.



- B** Cut the window sash seal (adhesive-backed) to the window width and stick the adhesive side to the bottom of the sash. Cut the window stool seal (non-adhesive backed) to the window width and place on the window stool.

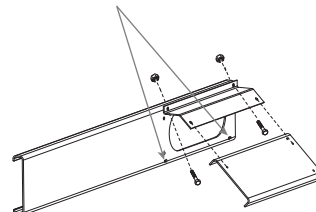


### C INSTALL RAIN DEFLECTOR TO OUTSIDE OF ADJUSTABLE WINDOW SLIDER

- Remove the appropriate plugs (save in a secure place) from the window slider to prepare for either a double hung window installation or a slider window installation. Use the bolts, gaskets and nuts to attach the rain deflector onto the bracket, then attach the bracket onto the window slider.

Double Hung Window Installation

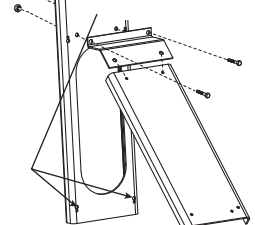
Leave these two plugs in place for double hung window installations



Outside

Slider Window Installation

Leave these two plugs in place for sliding window installations

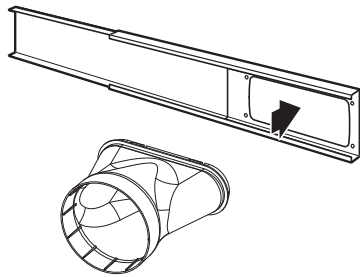


Outside

## INSTALLATION PROCESS OF HEAT EXHAUST HOSE

### D ATTACH THE EXHAUST ADAPTER TO THE WINDOW SLIDER INSIDE OPENING

- Pull the exhaust adapter inside the end of the slider and snap it into the opening.

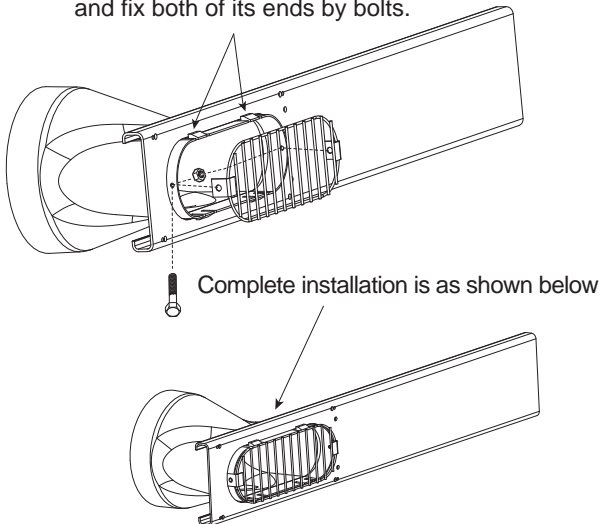


### E Install front grille

Installing protect grille at exhaust pipe is for preventing animals (rats) or plants from going into the pipe and cause blockage.

Installation method is as shown below:

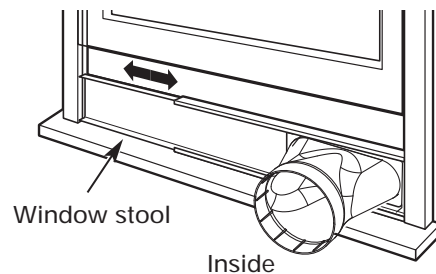
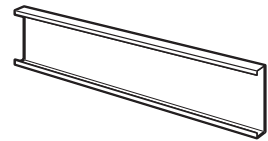
As shown in the figure, clamp grille first and fix both of its ends by bolts.



Complete installation is as shown below

- F If the window slider is shorter than the width of the window, pull the sliding arm out to the width of the window. If the window slider is longer than the width of the window, cut the slider arm to the width of the window. If the two-piece window slider is too short for the width of the window, attach and use the third piece of the slider.

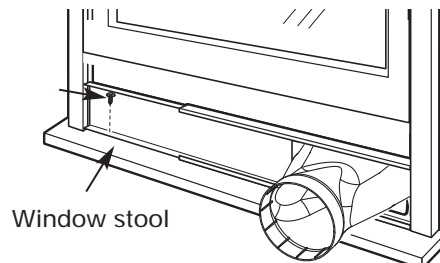
Third piece of slider for extra wide windows



Window stool

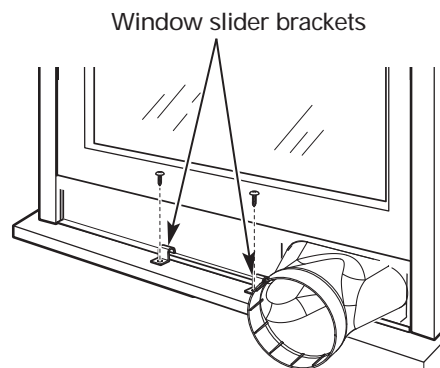
Inside

- G Attach the slider to the stool through one of its holes using a wood screw (not included).



Window stool

- H Pull the window down against the top of the window slider.



Window slider brackets

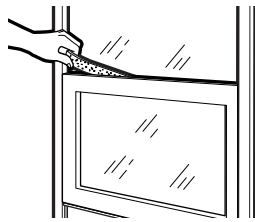
- I Hook the two window slider brackets over the bottom edge of the window slider and attach to the window stool using two screws.

## INSTALLATION PROCESS OF HEAT EXHAUST HOSE

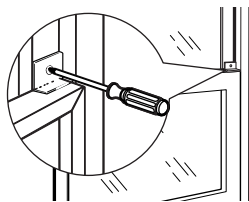
### 2 INSTALL TOP WINDOW GASKET AND WINDOW LOCKING BRACKET

- A** Cut the foam top window gasket to the window width.

Stuff the foam between the glass and the window to prevent air and insects from getting into the room.

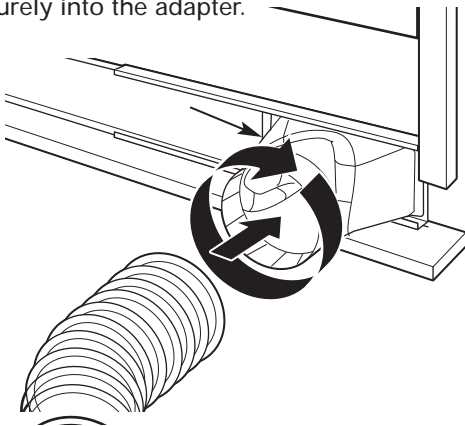


- B** Attach the window locking bracket with screw.



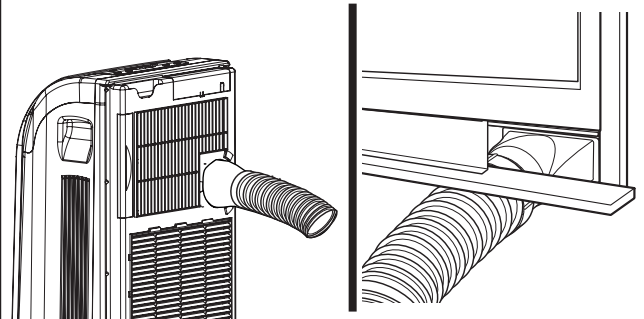
### 3 ATTACH EXHAUST HOSE TO WINDOW SLIDER

Insert the end of the hose into the adapter and rotate it several turns to thread it securely into the adapter.



### 4 INSTALL EXHAUST HOSE TO UNIT

- The exhaust hose must be properly installed to the back of the unit and to the adjustable window slider, and exhausted to the outside when using the unit in the COOL mode.
  - Attach the unit end of the exhaust hose to the back of the air conditioner by pushing it into the exhaust outlet and twisting to lock it in place.
- Back of unit



## INSTALLATION PROCESS OF HEAT EXHAUST HOSE

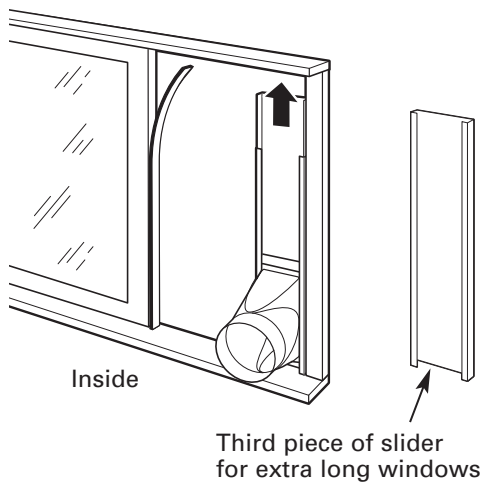
**NOTE:** If installing slider in a double hung window, ingoring the point 5 to 8.

### 5 INSTALL WINDOW SLIDER IN A SLIDING WINDOW OR PATIO DOOR

**A** If the window slider is shorter than the height of the window, pull the sliding arm out to the height of the window.

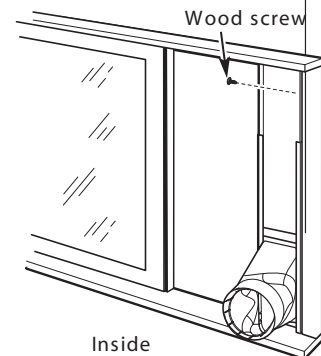
If the window slider is longer than the height of the window, cut the slider arm to the height of the window.

If the two-piece window slider is too short for the height of the window, attach and use the third piece of the slider.



**B** Cut the window seal (adhesive-backed) to the window height and stick the adhesive side to the inner window sliding face, as shown above.

**C** Attach the top of the slider to the window face using a screw through one of its holes.

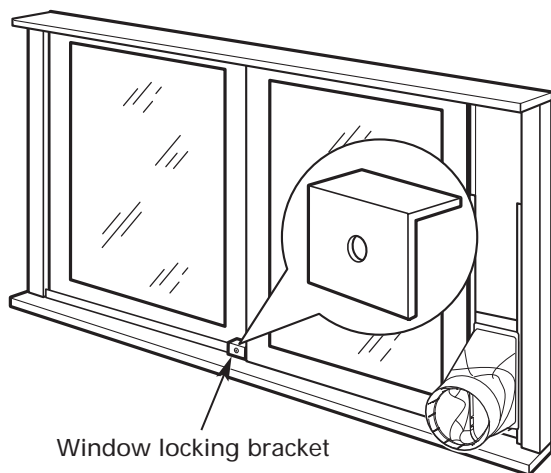


**D** Slide the window against the edge of the window slider.

## INSTALLATION PROCESS OF HEAT EXHAUST HOSE

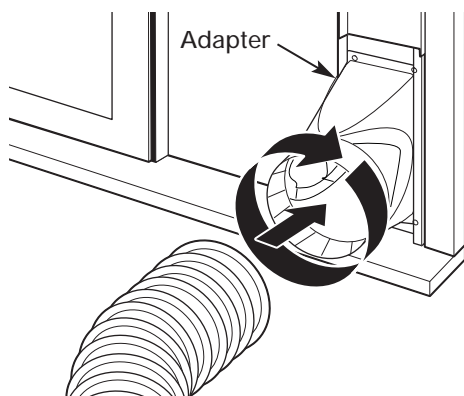
### 6 INSTALL WINDOW LOCKING BRACKET

Attach the window locking bracket with screw.



### 7 ATTACH EXHAUST HOSE TO WINDOW SLIDER

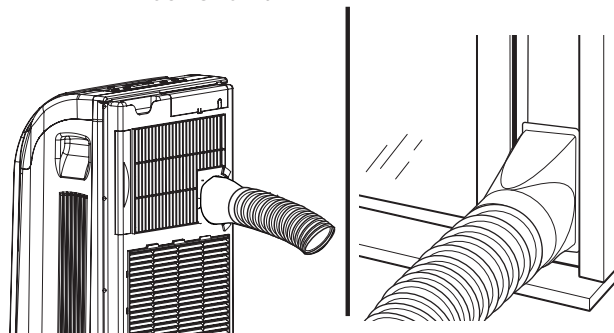
Insert the end of the hose into the adapter and rotate it several turns to thread it securely into the adapter.



### 8 INSTALL EXHAUST HOSE TO UNIT

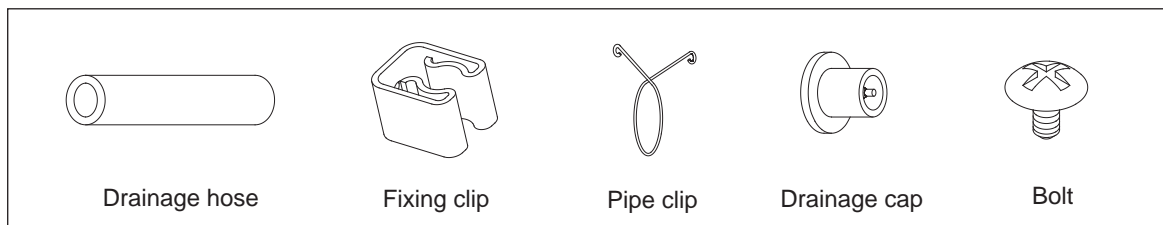
- The exhaust hose must be properly installed to the back of the unit and to the adjustable window slider, and exhausted to the outside when using the unit in the **COOL** mode.
- Attach the unit end of the exhaust hose to the back of the air conditioner by pushing it into the exhaust outlet and twisting to lock it in place.

Back of unit



## ACCESSORIES AND INSTALLATION OF DRAINAGE HOSE

Accessories of drainage hose include:

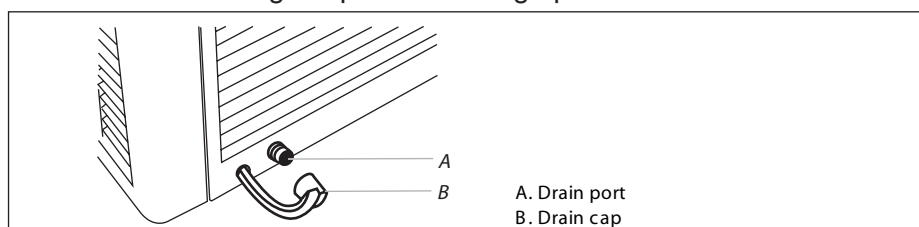


Installation method

Note:

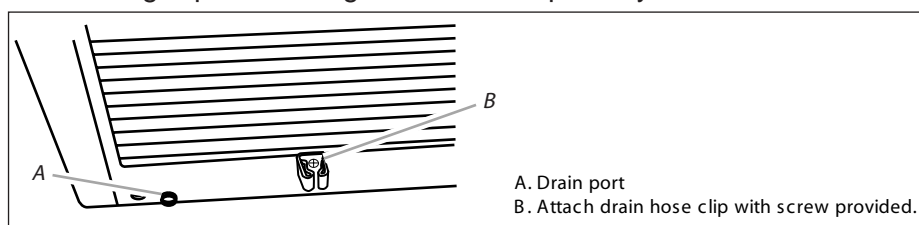
- Do install drainage hose before turning on the unit to prevent water from making floor and carpet dirty.
- The L drainage cap taken from drainage point should be stored well for future use.

1. Take out L drainage cap from drainage point at chassis.



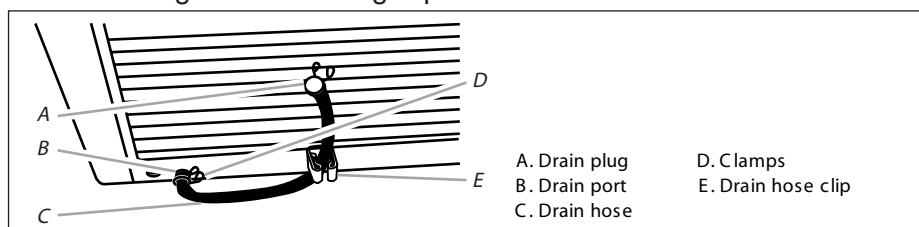
2. Install drainage cap on drainage hose, and it should be inset tightly without loosening.

3. Fix fixing clip for drainage hose at rear plate by bolts.



4. Insert one end of drainage hose to drainage point to the end and assembly pipe clip to prevent water leakage.

5. Fix drainage hose at fixing clip.



Drainage method:

When using COOL and DRY, condensate would be gathered in flume. When flume filled, buzzer would sound for 8 times and LCD displays error code E4. The whole unit would stop working till water filled removed and resume running after compressor had stopped for 3 min. Take out the cap on drainage hose, take out the hose from fixing clip and drain out water in the flume. After drainage, put the cap on hose to prevent water leakage, and fix drainage hose on fixing clip.

## CHANGE METHOD FOR WHEELS

### 1. Change method for wheels:

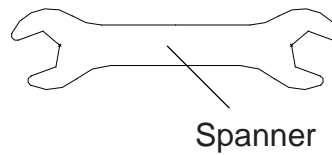


**WARNING**

Gradient for the whole unit should not be larger than  $5^\circ$  to prevent unit from being damaged.



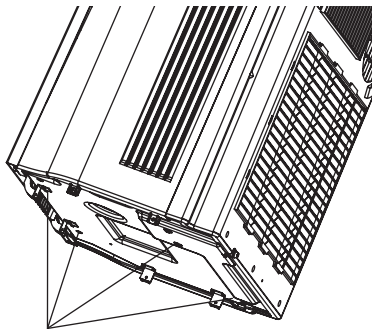
When changing wheels, the spanner offered with the unit can be used for assembly, and wheels can be purchased from dealers. Spanner is as shown below:



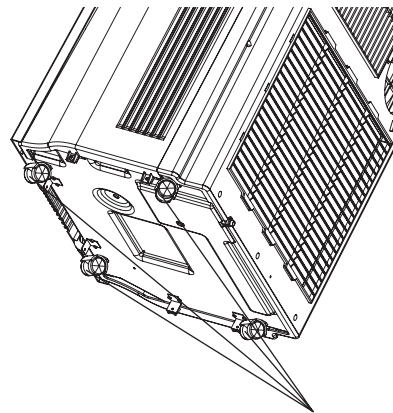
Spanner

Wheels can be exchanged with following methods when they are damaged:

- 1) Raise the whole unit levelly to height of 10-20cm from ground.
- 2) Screw wheels respectively to installation slots at chassis, refer following figure for operation:



Installation slots



Wheel



## CARE AND MAINTENANCE

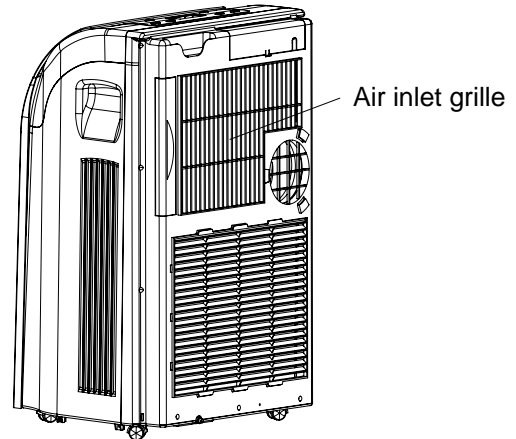
### Mobile unit

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



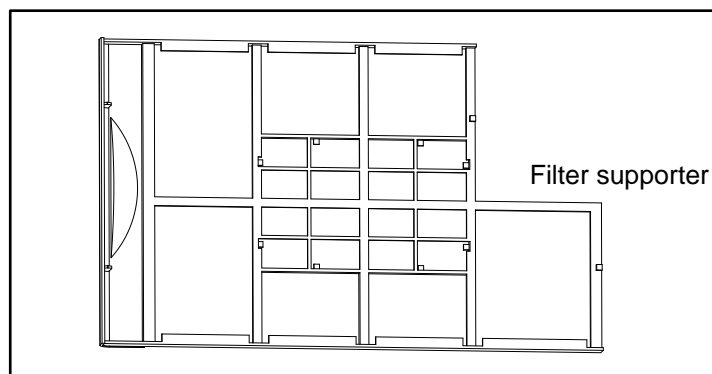
#### WARNING

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



### Clean the air filter

Performance of the unit will decrease if there are too much dust gathered, thus clean it at least once two weeks.



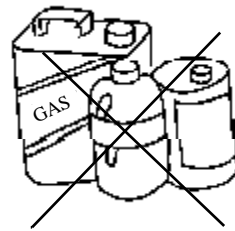
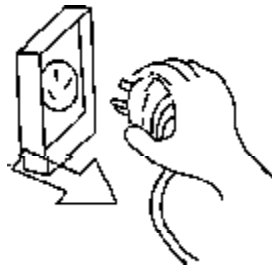
- Draw out filter supporter and take out filter
- Wash the filter solely, spray(like the spray in bath) and shake it, or immerse it into the gentle soap water, then dry it in shade.

Disassembly  
Clean

## 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.



## TROUBLESHOOTING

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 "E5".	1. Low voltage over current protection.	Cut off power supply, after 10 minutes, turn on the unit, if "E5" 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.

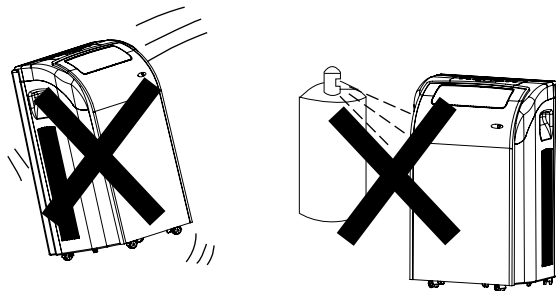
Do not apply the cold wind to the body for a long time, it can cause health problems.

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.

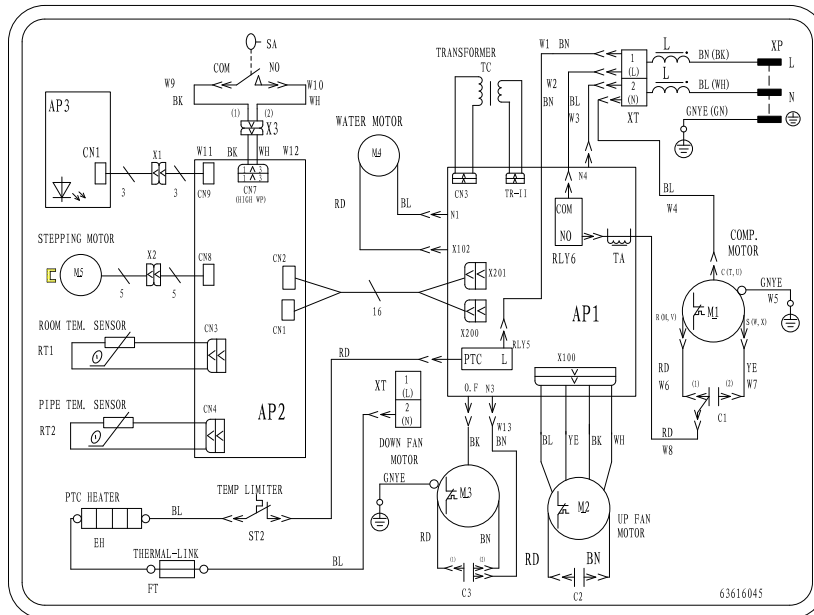
- Do not incline or overturn. If the abnormal phenomenon occurred, please pull out the power plug at once, and inform dealer to check and maintain.
- Do not use the insecticide or other sprays, it can cause deformation or crack.



## AFTER SALES SERVICE

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

# CIRCUIT DIAGRAM



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



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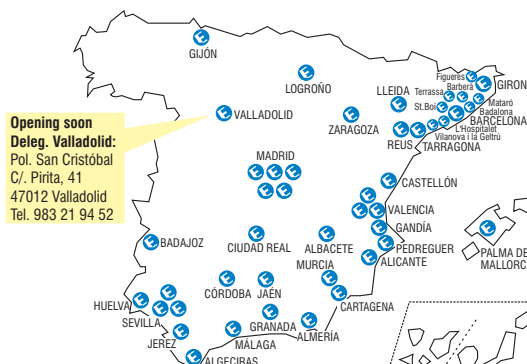
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