

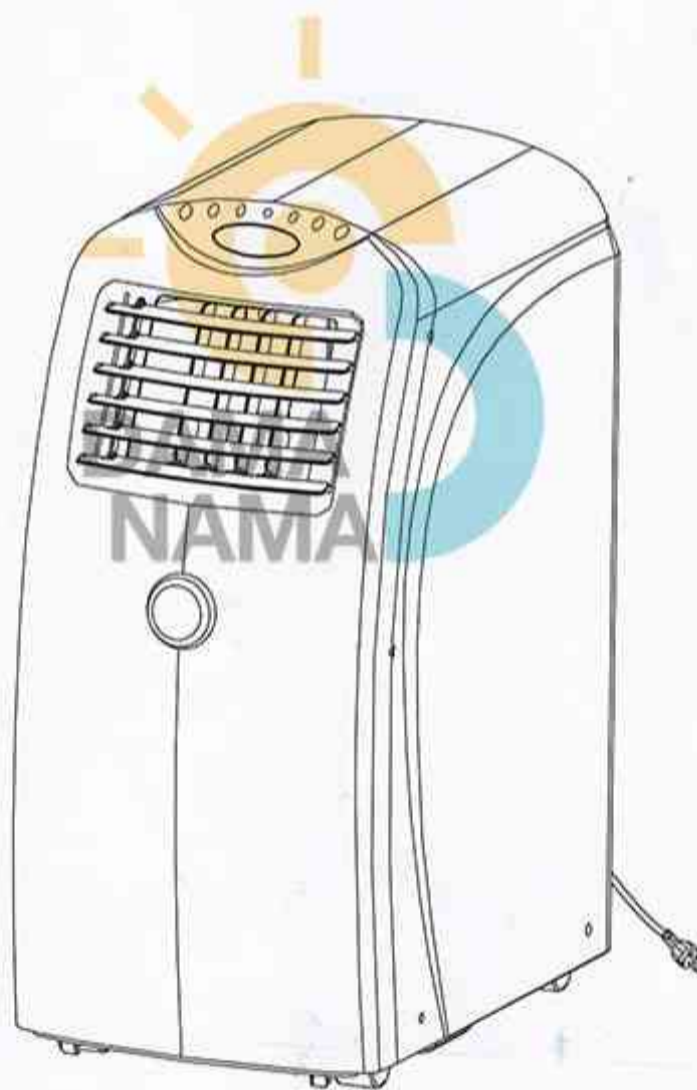
# PORTABLE TYPE AIR CONDITIONER

## USER MANUAL

FOR

TAC-09CHP/D

TAC-14CHP/D



Thank you for selecting our quality air conditioner. please be sure to read this user manual carefully before using.

## FORWARD

Before using this portable air conditioner, please read this instruction manual carefully and use this appliance accordingly. Please keep this manual properly for ready reference at any time.

### IMPORTANT SAFEGUARD

The appliance is not intended for use by young children or infirm person unless they have been adequately supervised by a responsible person to ensure that they can use the appliance safely at any time.

- The power plug must be accessible after the appliance is installed.
- The appliance must be installed in accordance with national wiring regulation.
- Never use the appliance in very damp rooms (laundries for example).
- If the power cord is damaged, it must be replaced by the manufacturer or its service centre or a similar qualified person, to protect against fire.
- This appliance must be connected to an earthed power supply. If in doubt, please check with a qualified electrician.
- The appliance should not be installed where the atmosphere may contain combustible gases, oil or near heat sources.
- Do not pull on or place strain on the power cord when moving the appliance.
- Do not operate or stop the appliance by inserting or pulling out the power plug.
- Due to potential safety hazards, do not use an extension cord or share the power supply outlet with other appliances.
- Do not rest hot or heavy objects on the appliance.
- Always unplug the unit from the power outlet before cleaning or maintenance operations.
- Clean the filters at least once every two weeks.
- Do not splash the unit with water .
- Do not move the unit by pulling the exhaust hose attached to the back of the unit.
- Do not use the unit with air outlet closed or covered.
- The unit should be transported in a vertical position. If this not possible, secure the unit at an angle, do not lay it horizontally.
- Before transporting the unit, drain the unit. After transportation, wait at least one hour before switching the unit on.
- This appliance is fitted with a special safety device. When the compressor switches off, this device prevents it from switching on again for at least three minutes.

The logo for DAMA NAMA features the brand name in a bold, sans-serif font. The word 'DAMA' is positioned above 'NAMA'. To the right of the text is a stylized graphic element consisting of a yellow semi-circle at the top and a blue semi-circle at the bottom, forming a partial circle.

DAMA  
NAMA

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## INTRODUCTION

This portable air conditioner is a small size appliance, which can adjust the room temperature and humidity. It has multiple functions of cooling, dehumidifying and fan ventilation, and also a much more compact design comparing with other types of air conditioner with the same cooling capacity. However, its most remarkable advantage is no professional installation and mounting needed, so it could be moved from room to room and transported from building to building easily.

Other forms of air conditioning are recommended when the indoor temperature is either below 18°C or above 30°C .

### NAME OF EACH PART AND FUNCTION

#### FRONT (Fig.1)

1. Control panel
2. Up/down air swinging fins
3. Air outlet
4. Left/Right air swinging fins
5. Caster
6. Cable (power cord and plug)

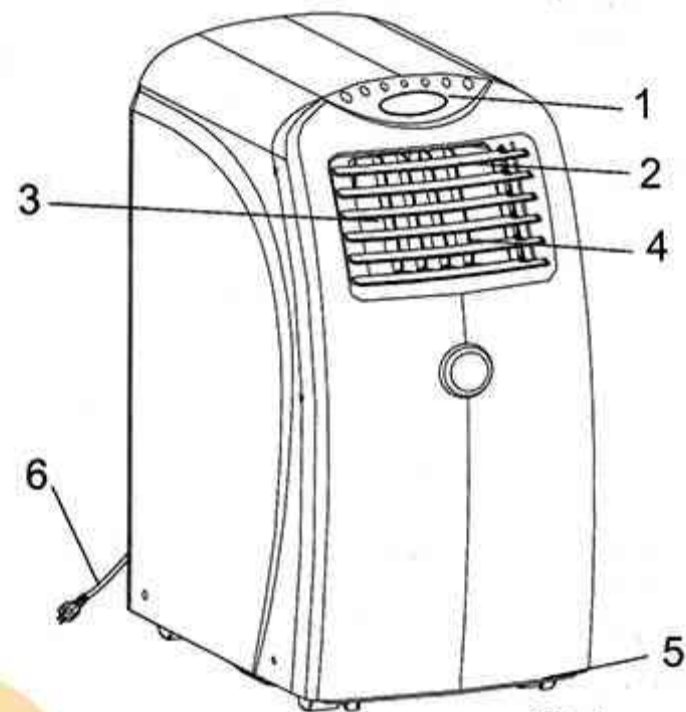


Fig.1

#### BACK (Fig.2)

1. Hot air outlet grill
2. Lower air inlet grill
3. Higher air inlet grill
4. Power cord hooks
5. Water tank / chassis
6. Water drain mouth
7. Plug

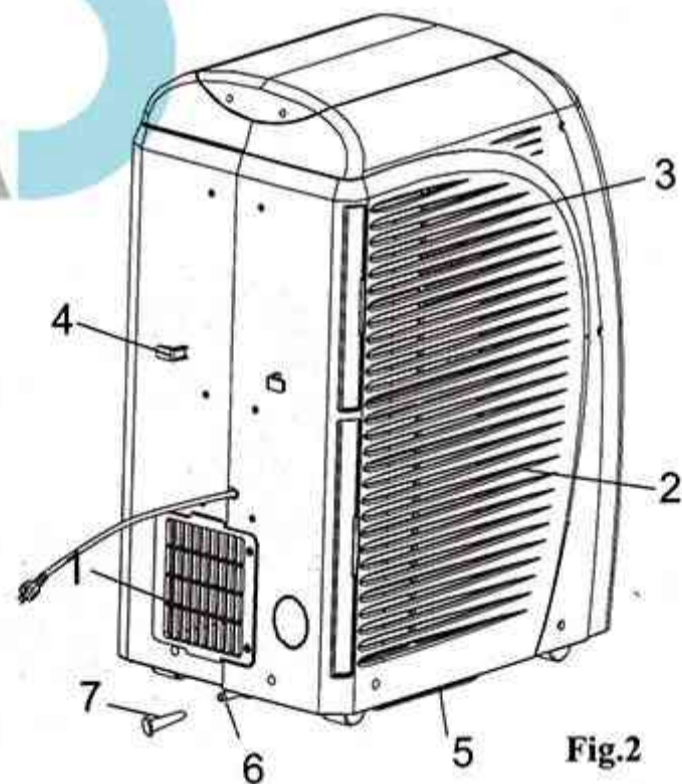


Fig.2

# CONTROL PANEL & LED DISPLAY

## CONTROL PANEL(Fig.3)

TIMER Button (L) Press this button to set the timer duration.	MODE Button Press this button to select the modes of cooling, dry, fan or heating	TEMP Buttons These buttons set the room temperature
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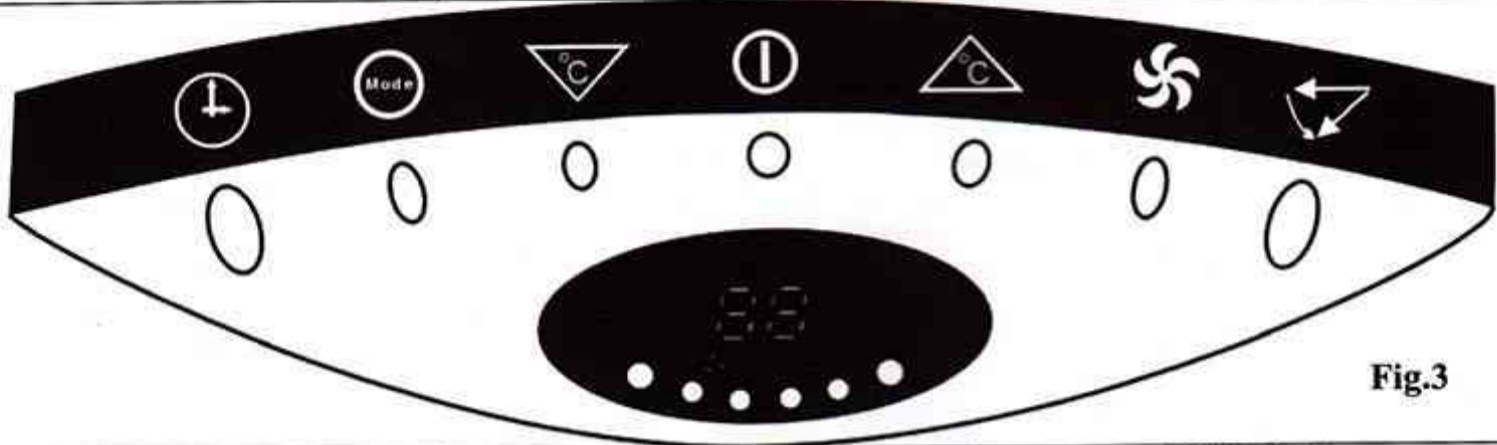


Fig.3

ON/OFF Button Press this button to turn the appliance ON or OFF	FAN SPEED Button Press this button to choose high, medium or low speed air delivery.	SWING button Press this button to select the left/right swinging of air delivery or to stop swinging.
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TIMER Button	MODE Button	TEMP- Button	ON/OFF Button	TEMP+ Button	FAN SPEED Button	SWING button

## LED DISPLAY (Fig.4)

Display of the timer	Cooling mode	Dry mode	Heating mode (not available in cooling only model)	Display of °F	Remote signal receiver
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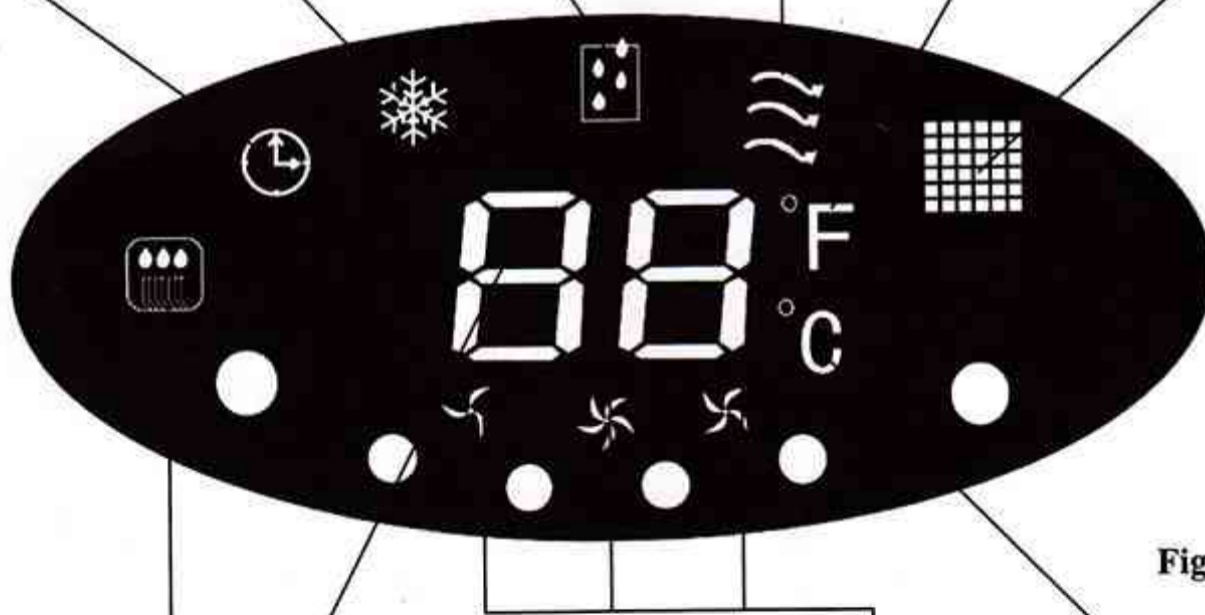


Fig.4

If this indicator lights up, that means the compressor is working	Indicate the time and temperature. Details refer to the Operation of control panel.	Fan speed indicator, low, High, or medium-speed	Display of °C
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## OPERATION OF CONTROL PANEL

The operating ranges for cooling operation is 18°C-30°C and the operating range for dehumidifying is 18°C-30°C .

If the appliance is turned off during cooling or dry operation and restarted immediately, the unit will wait at least 3 minutes before restarting again.

### POWER SOURCE

\*The AC socket must be firm and reliable.

\*Don't connect the portable air conditioner to a multiple socket outlet which is also being used for other electrical appliances.

\*Insert the AC power plug securely into the AC socket before using the unit, when it beeps after two seconds, press "ON/OFF" button, the unit begins to run.

### NOTE:

In order to improve the cooling efficiency, be careful that:

- If your room is directly exposed to sunlight, draw the curtains please.
- Do not place near a heat source.

### COOLING MODE

- Press **ON/OFF** button to turn the appliance on.
- Press **MODE** button to select **COOLING** mode.
- Set the temperature with **TEMP+**, **TEMP-** buttons.
- To select fan speed, press **FAN SPEED** button repeatedly until the required speed is selected ( **HIGH, MED, LOW** ).

NB: in **COOLING** mode, the appliance automatically removes excess moisture from the atmosphere.

### DRY MODE

- Keep the windows and doors closed for an effective dehumidification.
- When used as dehumidifier only, keep the air exhaust hose **disconnected**.
- Press **ON /OFF** button to turn the appliance on.
- Press **MODE** button to select **DRY** mode, the fan speed will always be at **LOW** and can not be adjusted in **DRY** mode.

### FAN MODE

- Press **ON /OFF** button to turn the appliance on.
- Press **MODE** button to select **FAN** mode .
- To select fan speed, press **FAN SPEED** button repeatedly until the required speed is selected ( **HIGH, MED, LOW** ). The fan speed **AUTO** can not be selected in **FAN** mode.


### HEATING MODE

- Press **ON/OFF** button to turn on the appliance.
- Press **MODE** button to select **HEAT** mode.
- The fan speed will always be at **LOW**, and can not be adjusted in **HEAT** mode.

### SETTING THE TIMER

This timer can be used to delay the appliance start up or shutdown. This avoids wasting electricity by optimising operating periods .

### PROGRAMMED SHUTDOWN

- With the appliance on, press **TIMER** button, the time is displayed on LED display.
- Set the time when you want the appliance to switch off with **TEMP+** and **TEMP-** buttons (from 30minutes to 24 hours) .
- During the first ten hours you can select half hour intervals. For times longer than ten hours, one hour intervals can be selected
- Press **TIMER** button again to confirm the timer setting, the **TIMER** symbol  on control panel lights up to indicate the timer is activated.
- At the end of the set time the appliance switches off automatically.
- To cancel the **TIMER** setting, press **TIMER** button again whenever during the set time.

### PROGRAMMED STARTUP

- Turn on the Appliance and set the working mode you need when the appliance recovered from the timer, For example, **COOLING** mode, 25 °C, fan speed **HIGH**.

- Press **ON/OFF** button to switch into **STANDBY**,
- Press **TIMER** button , the time is displayed on LED display.
- Set the time when you want the appliance to switch on with **TEMP+** and **TEMP-** buttons (from 30minutes to 24 hours) .
- During the first ten hours you can select half hour intervals, For times longer than ten hours one hour intervals can be selected .
- Press **TIMER** button again to confirm the timer setting, the **TIMER** symbol ⌚ on control panel lights up to indicate the timer is activated. and the timer remaining time (in hour) will also be shown on LED display.
- At the end of the set time the appliance switches on automatically and operates in the same working mode as prior to switching into **STANDBY**, for example **COOLING** mode, 25 °C, fan speed **HIGH**.
- To cancel the **TIMER** setting, press the "**TIMER**" button again whenever during the set time.

## OPERATION AND INDICATIONS OF REMOTE CONTROL

### THE REMOTE CONTROL

#### INSERTING THE BATTERIES

- Remove the protective cover (see Fig 5).
- Insert two new batteries (not rechargeable) and make sure the (+) and (-) are in the correct position.
- Replace the cover.

If the remote control unit is replaced or discarded, the batteries must be removed and disposed of in accordance with current legislation as they are harmful to the environment.

If the remote control is not used for long period, please remove the batteries.

#### CORRECT USE

- Point the remote control unit towards the front of the air conditioner. (see Fig 6)
- Maximum distance: around 7 metres (without any obstacles between the remote control and the receiver).
- The remote control should be handled with extreme care and respect.
- Do not drop it, expose it to direct sunlight or leave it near sources of heat.



Fig 5

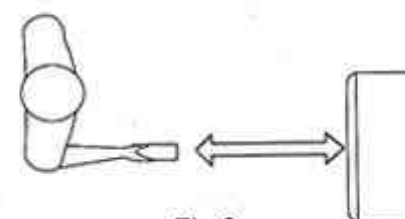


Fig 6

**MODE** selection  
temperature/time display

**TIMER** button  
press this button to set  
automatic startup / shutdown

**MODE** button  
press this button to select the  
modes of **COOL**, **DRY**, **FAN** or **HEAT**

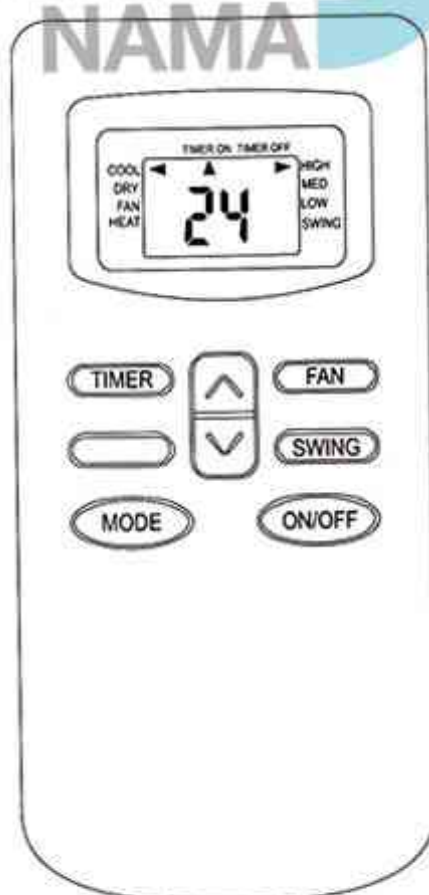


Fig 7

**TIMER** selection

**FAN** speed selection

**FAN** speed button  
press this button to select fan  
speed of **HIGH**, **MED** or **LOW**

**SWING** button  
press this button to switch on/off  
the automatic swing function

**ON/OFF** button  
press this button to switch on/off  
the appliance

### COOLING MODE (Fig. 8)

- Press the "ON /OFF" button to turn the appliance on.
- Press the "MODE" button to select COOL.
- Set the temperature using the "< >" button.
- To select fan speed, press the "FAN" button repeatedly until the required speed is selected ( HIGH, MED, LOW ).

NB: in **COOLING** mode, the appliance automatically removes excess moisture from the atmosphere.

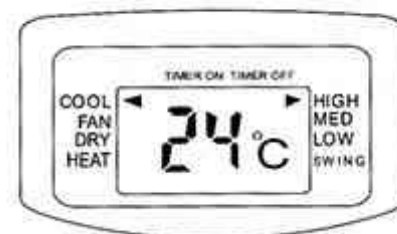


Fig. 8

### DRY MODE (Fig. 9)

- Keep the windows and doors closed for an effective dehumidification.
- When used as dehumidifier only, keep the air exhaust hose **disconnected**.
- Press the "ON /OFF" button to turn the appliance on.
- Press the "MODE" button to select DRY, the fan speed will always be at **LOW** and can not be adjusted in DRY mode.

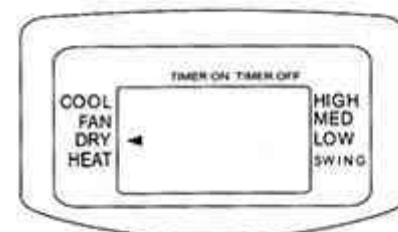


Fig. 9

### FAN MODE (Fig. 10)

- Press the "ON /OFF" button to turn the appliance on
- Press the "MODE" button to select FAN .
- To select fan speed, press the "FAN" button repeatedly until the required speed is selected (**HIGH, MED, LOW**) and fan speed AUTO can not be selected.

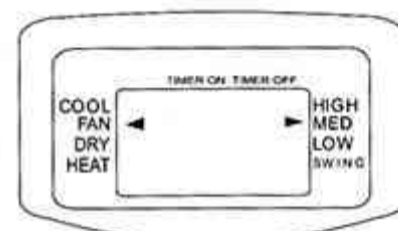


Fig. 10

### HEATING MODE (Fig. 11)

- Press the 'ON/OFF' button to turn on the appliance.
- Press 'MODE' button to select HEAT mode.
- The fan speed will always be at LOW, and can not be adjusted in HEAT mode.

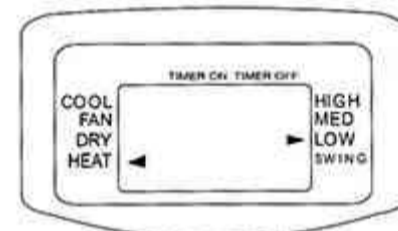


Fig. 11

### SETTING THE TIMER (Fig. 12)

This timer can be used to delay the appliance start up or shutdown. This avoids wasting electricity by optimising operating periods .

#### PROGRAMMED SHUTDOWN

- With the appliance on, press the "TIMER" button, the time is displayed and the "h" symbol flashes.
- Set the time when you want the appliance to switch off using the "< >" buttons (from 30minutes to 24 hours) .
- During the first ten hours you can select half hour intervals. For times longer than ten hours, one hour intervals can be selected
- Press the "TIMER" button again to confirm the timer setting, the TIMER symbol light ⌚ on control panel lights up to indicate the timer is activated.
- At the end of the set time the appliance switches off automatically.
- To cancel the TIMER setting, press the "TIMER" button again whenever during the set time.

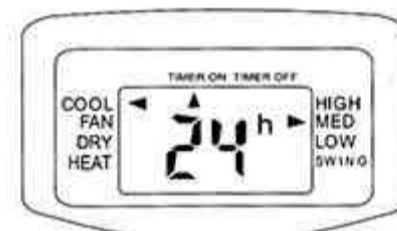


Fig. 12

#### PROGRAMMED STARTUP

- Turn on the appliance and set the working mode you need when the appliance recovered from the timer, for example Cooling mode, 25°C, fan speed High.
- Press ON/OFF button to switch into STANDBY.
- Press the "TIMER" button **twice** , the time is displayed and the " h " symbol flashes .
- Set the time when you want the appliance to switch on with the "< >" buttons (from 30 minutes to 24 hours) .
- During the first ten hours you can select half hour intervals, For times longer than ten hours one hour intervals can be selected .
- Press the "TIMER" again to confirm the timer setting, the TIMER symbol light ⌚ on control panel lights up to indicate the timer is activated.
- At the end of the set time the appliance switches on automatically and operates in the same working mode as prior to switching into STANDBY, for example Cooling mode, 25°C, fan speed High.
- To cancel the TIMER setting, press the "TIMER" button again whenever during the set time.



## WATER DRAINAGE METHODS

### WATER DRAINAGE (Fig. 13)

When in cooling mode and dry mode, water from the evaporator will flow into a water tank. When the water reaches the high level mark, the appliance will stop operating and the control panel LED displays 'Ft' ( 'Full Tank' as mentioned in the section on 'SELF-DIAGNOSIS'). At the same time, the Water Full lamp will light up until the water level drops below the high level mark or when drained out manually. After the Water Full Light is off, the appliance will work normally.

Water can be manually drained out by using a drain hose(not included in the accessory). Alternatively, unplug the drain mouth and allow the water to flow onto the drain pan by placing the pan under the drain mouth, then dispose of the water.

Move the unit slightly when the Water Full light is on. This is to prevent water overflowing from inside the unit.



Fig. 13

## MAINTENANCE AND SERVICE

### MAINTENANCE METHODS

- Before cleaning or maintenance, turn the appliance off by pressing the ON/OFF button, then always unplug the appliance from the mains socket.
- Do not use chemical solvent ( like benzene, alcohol glazer) to clean the surface of the unit. Never spray insecticide liquids or similar.
- Clean the surface of the unit with a damp cloth, then dry with a duster or similar.

### CLEANING THE AIR FILTER

Clean the dust filter once every two weeks of operation. This could keep the air conditioner working efficiently.

- Take out the air filter from the side as shown in Fig.14
- Wash the air filter by immersing it gently into warm (about 40 °C or 104 F) water with a neutral detergent,
- Rinse the filter off detergent and dry it thoroughly in a shaded place.
- Insert the filters back into their original positions.

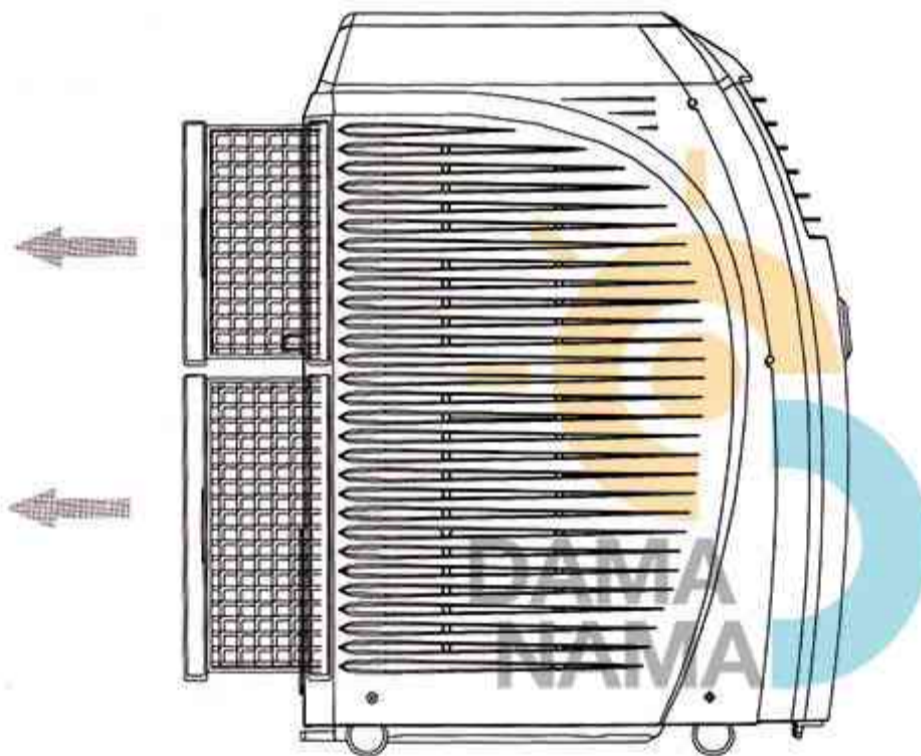


Fig.14

## END OF SEASON OPERATIONS (Fig. 15)

- Take out the plug from the drain mouth to drain the water onto the drain pan and dispose of the water. Then operate the unit in fan mode for half a day until the pipe is dry.
- Switch off the unit and disconnect the plug from the power supply.
- Tie the cable up with the cable hooks on the back of the appliance.
- Wrap the appliance with the plastic bag and keep it in a dry place.



Fig. 15



## TROUBLE SHOOTING

Before seeking repair or service, please check the following.

Problem	Check	Action
Air Conditioner does not operate at all.	<ul style="list-style-type: none"> <li>• power failure?</li> <li>• is plug out?</li> <li>• power tripped or switched off ?</li> <li>• water tank indicator lit?</li> <li>• Timer suitable ?</li> </ul>	<ul style="list-style-type: none"> <li>• normal if no current</li> <li>• plug into mains</li> <li>• change fuse/turn on</li> <li>• drain out water</li> <li>• change timer.</li> </ul>
Cooling efficiency is not good.	<ul style="list-style-type: none"> <li>• air exhaust hose blocked?</li> <li>• Air exhaust hose over-bent?</li> <li>• Air exhaust hose detached?</li> <li>• Window/door opened?</li> <li>• Air inlet/outlet blocked?</li> <li>• Any heat source in room?</li> <li>• Air filter dirty?</li> <li>• Set temp suitable?</li> <li>• Fan speed set at low?</li> <li>• Cooling power not enough for the conditions or area of the room.</li> </ul>	<ul style="list-style-type: none"> <li>• Clear blockage.</li> <li>• Always keep the hose at its shortest length and as straight as possible.</li> <li>• Connect the hose.</li> <li>• Close the window/door.</li> <li>• Clear blockage.</li> <li>• Remove heat source.</li> <li>• Clean air filter</li> <li>• set suitable temp.</li> <li>• Set suitable speed.</li> </ul>
Noisy and vibration	<ul style="list-style-type: none"> <li>• it is the refrigerant flowing inside.</li> <li>• is it inclined or unbalanced?</li> </ul>	<ul style="list-style-type: none"> <li>• it is normal.</li> <li>• place on level floor</li> </ul>
The unit starts and stops frequently	<ul style="list-style-type: none"> <li>• is power source voltage normal?</li> <li>• air exhaust hose bent or blocked?</li> <li>• air exhaust hose extended?</li> <li>• air exhaust hose over-bent?</li> </ul>	<ul style="list-style-type: none"> <li>• keep power in rated</li> <li>• clear hose passage</li> <li>• remove the extension, always keep the hose length less than 2 meters.</li> <li>• always keep the hose at its shortest length and as straight as possible.</li> </ul>
Air conditioner does not operate for about 3 minutes after turning on	<ul style="list-style-type: none"> <li>• the safety device has tripped?</li> </ul>	<ul style="list-style-type: none"> <li>• wait for 3 minutes</li> </ul>
Lt/PF/Ft appears on the display	<ul style="list-style-type: none"> <li>• See self-diagnosis section</li> </ul>	

## CAUTION :

Unplug and stop running the air conditioner immediately if any of the following happens. Then contact the service centre.

- The fuse and switch often break.
- The power cord gets very hot or the sleeve of the cord is broken.

## SELF-DIAGNOSIS

The appliance has a self diagnosis system to identify a number of malfunctions. Follow the proposed action when the code is displayed.

<b>Lt</b> (LOW TEMPERATURE) frost prevention	When the appliance is operating in dehumidifying mode, this device prevents the formation of ice. The appliance starts up again automatically when the defrosting process is completed.
<b>PF</b> (PROBE FAILURE) sensor damaged	If this is displayed, contact your local authorised service centre.
<b>Ft</b> (FULL TANK) the water tank is full	Empty the internal tank, see the section on " Water Drainage method"



## INSTALLATION

### SELECTION OF INSTALLATION LOCATION (Fig.16)

Place the portable air conditioner in a flat location where the air outlets cannot be covered up. Place the unit no less than 50cm away from a wall or other obstacle.

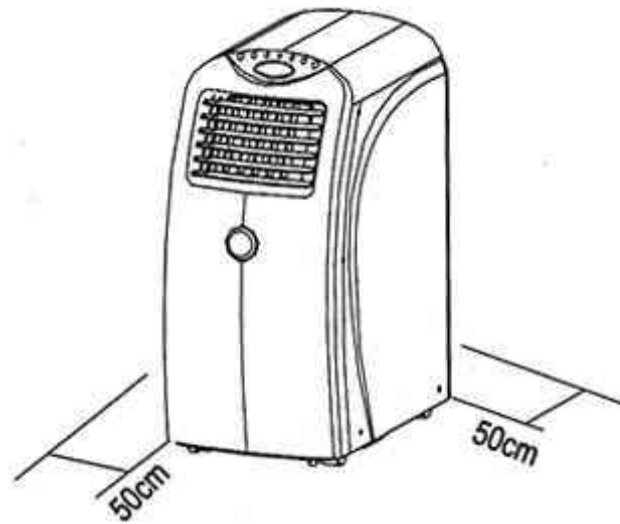


Fig. 16

### AIR EXHAUST HOSE MOUNTING METHOD (Fig. 17)

- Fix the square end of the exhaust hose to the hot air outlet grill at the back of the appliance.
- Place the other end (discharge) to the nearest window. The length of the air exhaust hose is between 600mm to 1500mm; use the minimum length when working.
- When mounting, try to keep the air exhaust horizontal and not enlarge or connect it to other discharge as this can cause malfunction.

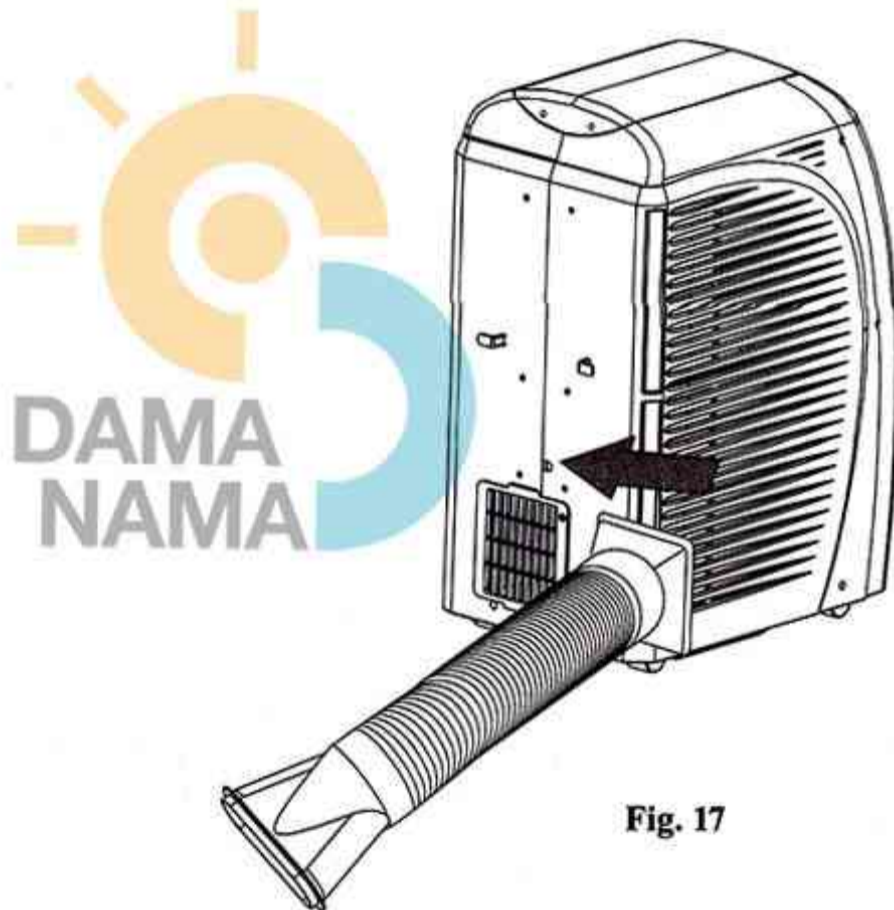
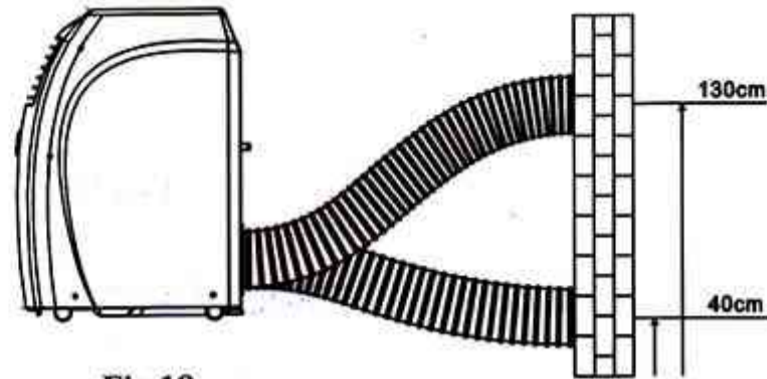


Fig. 17

**ATTENTION**

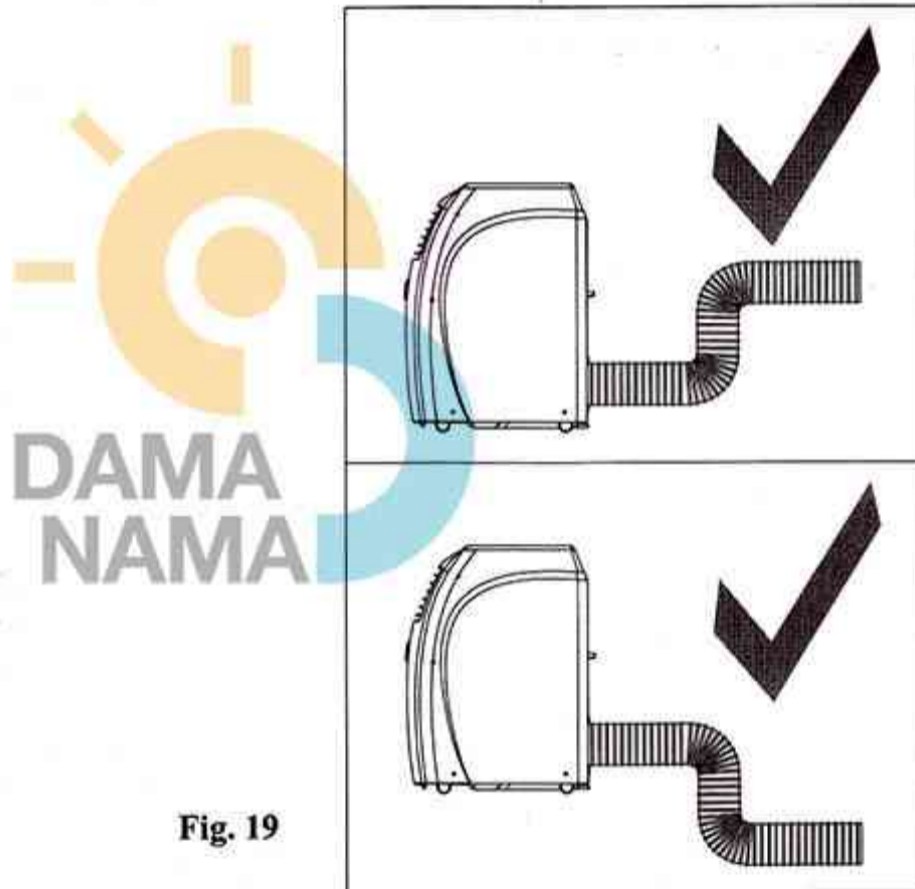
- The exhaust hose should be not longer than 2 meters. never make any hose extension by yourself.
- Never bend the exhaust hose excessively when the appliance is working, over-bent exhaust hose possibly causes malfunction.
- Always keep the exhaust hose at its shortest length and as straight as possible when the appliance is working to have high cooling efficiency.
- Never move the appliance by pulling the air exhaust hose attached to the back of the appliance.

Correct exhaust hose mounting shown below, If mounting in the wall, the height of the hole should be 40cm~130cm. (Fig. 18)



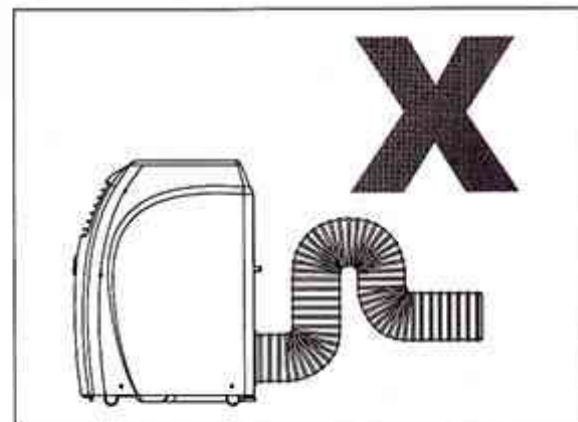
**Fig.18**

If the air exhaust hose needs to be bent, the correct hose bending shown as below. (Fig. 19)



**Fig. 19**

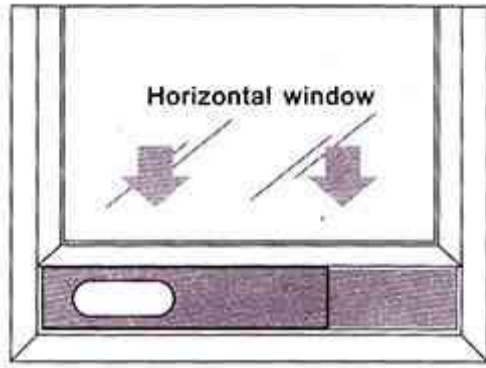
The wrong hose bending (exhaust hose is bent excessively), easily causes malfunction.(Fig. 20)



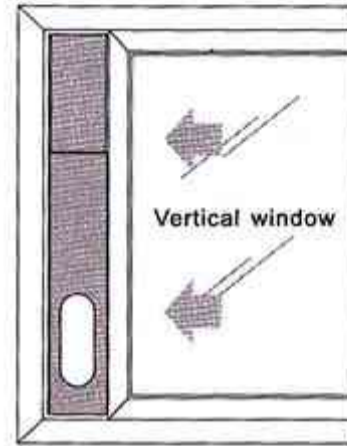
**Fig. 20**

## WINDOW SLIDER KIT INSTALLATION (Fig.21 and Fig.22)

The window slider kit has been designed to fit most standard "vertical" and "horizontal" window applications. However, it may be necessary for you to improvise/modify some aspects of the installation procedures for certain types of windows. Please refer to illustration for minimum and maximum window openings.



Window slider length  
Min. 33 1/2" (85cm)  
Max. 48 3/8" (123cm)



Window slider length  
Min. 33 1/2" (85cm)  
Max. 48 3/8" (123cm)



Fig.21

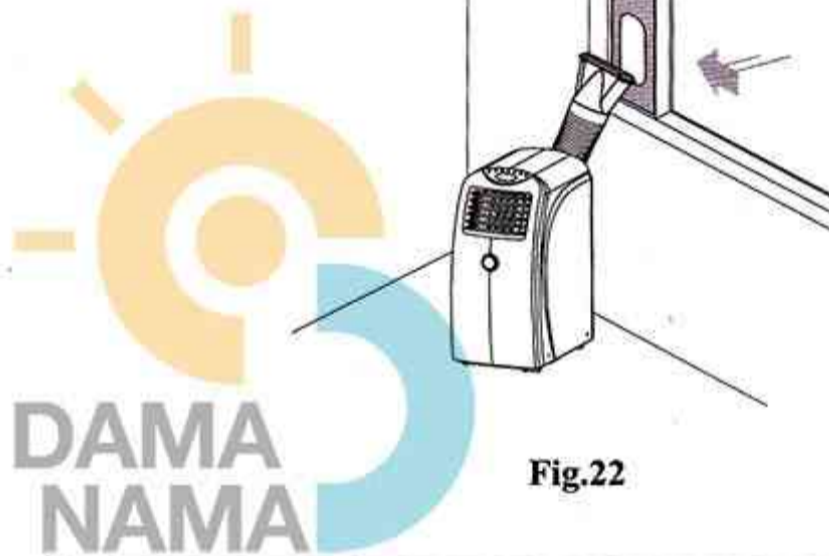


Fig.22

### INSTALLATION ACCESSORIES (Fig.23)

#### Description

- Air exhaust hose with adapters.....3/set  
stretches from 14 1/4" (36cm) up to 60 5/8" (150cm )
- Window adapter .....1pc
- Window slider kit.....2/set  
stretches from 33 1/2" (85cm) up to 48 3/8" (123 cm)
- Drain pan.....1 pc

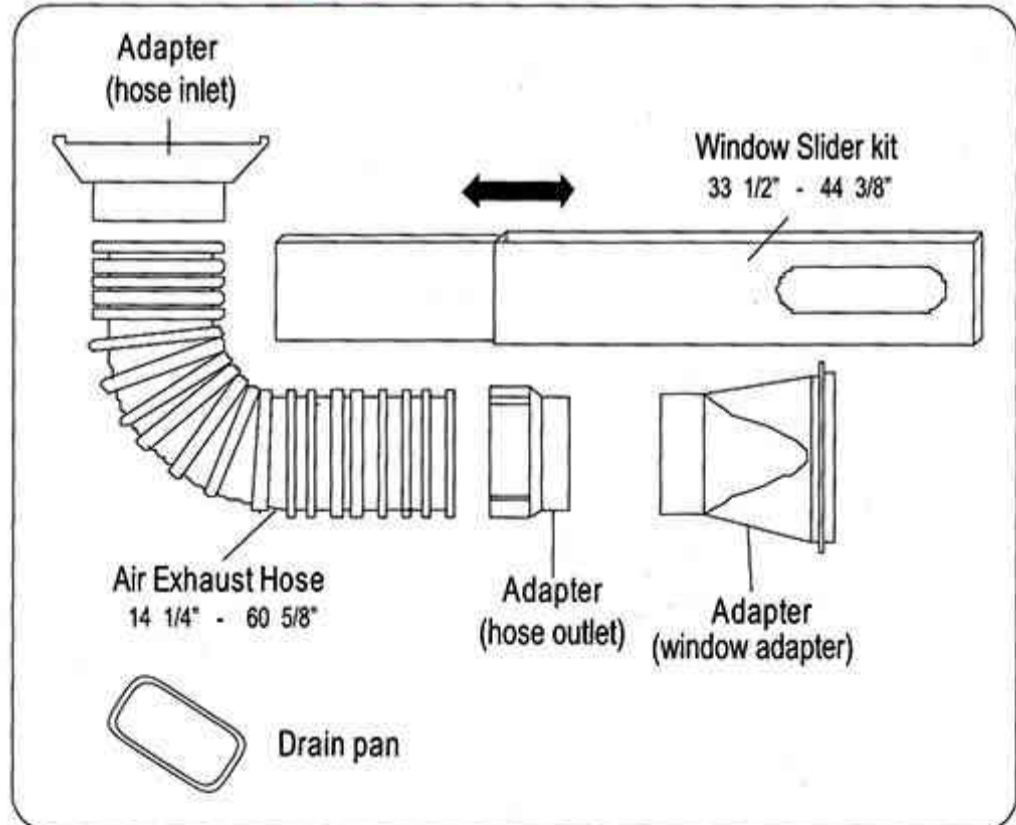


Fig.23