

TCL Portable Air Conditioner

804109484

Please read this manual carefully before operating your unit and retain for future reference.

IMPORTANT SAFEGUARDS

READ ALL INSTRUCTIONS BEFORE USE

Your safety and the safety of others is 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 alerts you to potential hazards that can hurt you and others.

All safety messages will follow the safety alert symbol and either the word "WARNING" or "CAUTION".

These words mean:

-  **WARNING** This symbol indicates the possibility of death or serious injury.
-  **CAUTION** This symbol indicates the possibility of injury or damage to property.

BASIC SAFETY PRECAUTIONS

WARNING To reduce the risk of fire, electric shock, or injury to persons when using this appliance, follow basic precautions, including the following:

- Do not attempt to repair or replace any part of your air conditioner unless it is specifically recommended in this manual. All other services should be referred to a qualified technician.
- If the power cord becomes worn or damaged, the cord should only be replaced by a qualified service technician using genuine replacement parts.
- The air conditioner should be plugged into its own grounded circuit (15A, 60Hz, 115V AC.)
- Do not plug other appliances into the same outlet; it can overload the circuit and cause a fire or electric shock.
- Do not remove the round grounding prong from the plug. It can result in the risk of electric shock.
- Young children should be supervised to ensure that they do not play with or climb on the air conditioner.
- Be sure all packaging materials are removed from the air conditioner before use.
- Do not disassemble or modify the air conditioner or the power cord. It can result in the risk of electric shock or fire.
- Do not place the power cord or air conditioner near a heater, radiator, or other heat source. It can result in the risk of electric shock or fire.
- Make sure the power cord is plugged firmly and completely into the outlet. It can result in the risk of electric shock or fire.
- Do not start or stop operation by plugging in or unplugging the power cord. It can result in the risk of electric shock.
- If the air conditioner is making unusual sounds or is emitting smoke or an unusual odor, unplug it immediately.
- Do not use if the electrical socket is loose or damaged. It can result in the risk of electric shock or fire.
- Do not operate with wet hands or in a damp environment.
- Do not use this or any electrical appliance if you smell gas. It can result in the risk of fire or explosion.
- Turn off and unplug the air conditioner before cleaning to avoid the risk of electric shock.
- Do not clean the unit with water. Water can enter the unit and damage the insulation, creating a shock hazard. If water enters the unit, unplug it immediately and contact service center. It can result in the risk of electric shock.
- Utilize two or more people to lift and install the unit.

CAUTION To reduce the risk of fire, electric shock, or injury to persons when using this appliance, follow basic precautions, including the following:

- To avoid possible cuts, avoid contacting the metal parts of the air conditioner when removing or re-installing the filter. It can result in the risk of personal injury.
- Do not block the air inlet or outlet of the air conditioner. Reduced air flow will result in poor performance and could damage the unit.
- Always grasp the plug when plugging in or unplugging the air conditioner. Never unplug by pulling on the cord. It can result in the risk of electrical shock and damage.
- Always turn off and unplug the air conditioner when it will not be used for extended period of time. This conserves energy and reduces the chance of accidents.
- Secure the wheels with wheel locks to prevent the air conditioner from rolling on smooth floors.
- Install the air conditioner on a sturdy, level floor capable of supporting up to 110 lbs (50 kg). Installation on a weak or unlevel floor can result in the risk of property damage and personal injury.
- Make sure the air conditioner is the correct size for the area you wish to cool.
- Close all doors and windows to the room for most efficient operation.
- To prevent damage to the surface finish, use only a soft cloth to clean the air conditioner. Do not use wax, thinner, or a strong detergent.

- Do not position the air conditioner so that pets or house plants are exposed to the direct air flow.
- This air conditioner is designed for normal household use.
- Do not drink the water from the drain pan. Dispose of it properly outdoors or down the drain.
- Do not operate air conditioner without the filter securely in place. Operation without the filter could damage the unit.
- Clean the filter every two weeks, or more often if needed.

ELECTRICAL SAFETY



WARNING

Electrical Shock Hazard

- Failure to follow these instructions can result in death, fire, or electrical shock.**
- This unit must be properly grounded.**
- Do not, under any circumstances, cut or remove the ground prong.**
- If you do not have a properly grounded outlet, or if there is any doubt that the outlet is not properly grounded, a qualified electrician should check the outlet and circuit, and, if necessary, install a properly grounded outlet.**
- This air conditioner must be plugged into a grounded 60 Hz, 115 V AC outlet protected by a 15 amp time delay fuse or circuit breaker.**
- This air conditioner must be installed in accordance with national wiring codes.**

- Do not use an extension cord.**

BATTERY SAFETY



WARNING

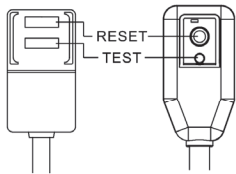
- Non-rechargeable batteries are not to be recharged.**
- Exhausted batteries are to be removed from the product.**
- Caution for ingestion (small batteries only).**

IMPORTANT - GROUNDING METHOD

READ ALL INSTRUCTIONS BEFORE USE

ELECTRICAL SAFETY

INTEGRATED CIRCUIT BREAKER

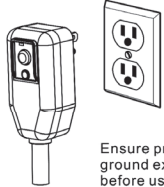


Note: Your unit's power cord and plug may differ from above the picture shows.

For additional safety, the power cord features an integrated circuit breaker. Test and reset buttons are provided on the plug case.

The circuit breaker should be tested periodically by pressing the TEST button. If it does not cause the circuit breaker to trip, or if the RESET button will not stay engaged, unplug the air conditioner immediately and contact your service technician.

PREFERRED GROUNDING METHOD



Ensure proper ground exists before use.

TEMPORARY GROUNDING METHOD



(Use of adapter plugs is not permitted in Canada)

Ensure proper ground exists before use.

Due to potential safety hazards, the use of an adapter plug is strongly discouraged.

To prevent damage to the adapter's ground terminal, hold the adapter in place while plugging in or unplugging the air conditioner.

Attaching the adapter ground terminal to the wall receptacle cover screw does not ground the appliance unless the cover screw is metal and not insulated, and the wall receptacle is grounded through the house wiring.

Frequent connection and disconnection can damage the ground terminal on the adapter. Never use a broken or damaged adapter.

SAVE THESE INSTRUCTIONS

ELECTRICAL CONNECTIONS

Before plugging the appliance into the main outlet, check that:

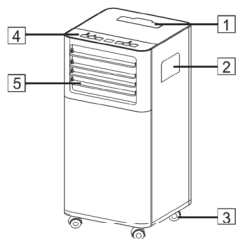
- The main power supply corresponds to the recommended electrical requirements indicated on the rating plate on the back of the appliance.
- The power outlet and electrical circuit are adequate for the appliance.
- The main outlet matches the plug. If this is not the case, have the plug replaced.
- The main outlet is adequately grounded. Failure to follow these important safety instructions absolves the manufacturer of all liability.

Important information for correct disposal of the product in accordance with EC Directive 2012/19/EU.



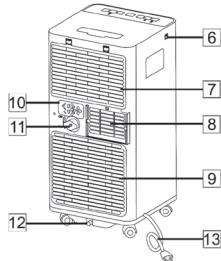
At the end of its working life, the product must not be disposed of as urban waste. It must be taken to a special local authority differentiated waste collection centre or to a dealer providing this service. Disposing of a household appliance separately avoids possible negative consequences for the environment and health deriving from inappropriate disposal and enables the constituent materials to be recovered to obtain significant savings in energy and resources. As a reminder of the need to dispose of household appliances separately, the product is marked with a crossed-out wheeled dustbin.

DESCRIPTION



ACCESSORIES

- Remote control slot
- Handle (both side)
- Castors
- Control panel
- Deflector
- USB charging slot
- Intake grille
- Air outlet grille
- Intake grille
- Plug fixer
- Middle condenser drain
- Condenser drain
- Power cable



Accessory type and quantity may vary depending on the model.

PARTS	PARTS NAME	PARTS	PARTS NAME
	Exhaust hose Hose outlet Hose inlet		Remote Control Batteries (Two AAA 1.5V)
	Window slider kit		Window Sealing Sponge Assembly

NOTE: All the illustrations in this manual are for explanatory purposes only.
Your appliance may be slightly different.

INSTALLATION INSTRUCTIONS

EXHAUSTING HOT AIR

In the Cool Mode the appliance must be placed close to a window or opening so that the warm exhaust air can be ducked outside.

First position unit on a flat floor and make sure there's a minimum of 17.7" (45cm) clearance around the unit, and is within the vicinity of a single circuit outlet power source.

- Extend either side of the hose (Fig.1)
- Screw the hose inlet (Fig.2).
- Screw it to the hose inlet (Fig.3).
- Install the hose inlet into the unit (Fig.4).
- Affix the hose outlet into the window slider kit and seal. (Fig.5 &6).

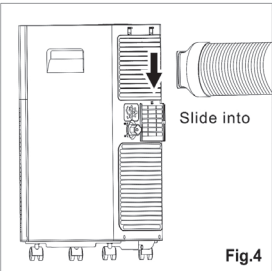
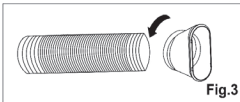
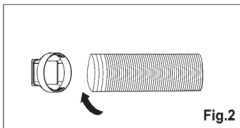
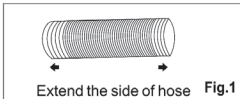


Fig.4

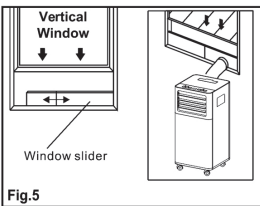
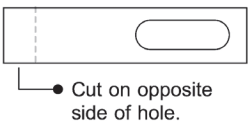


Fig.5

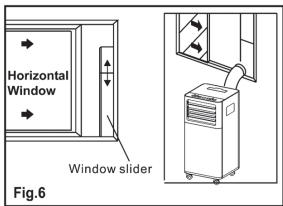


Fig.6

NOTE: If the window opening is less than the minimum length of the window slider kit, cut the end without the hold in it short enough to fit in the window opening. Never cut out the hole in window slider kit.

WINDOW SLIDER KIT INSTALLATION

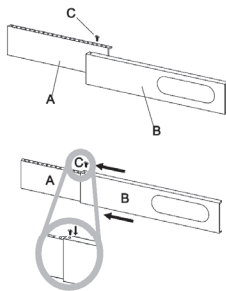
1.Parts:

A) Panel B) Panel with one hole C) Screw to lock window kit in place

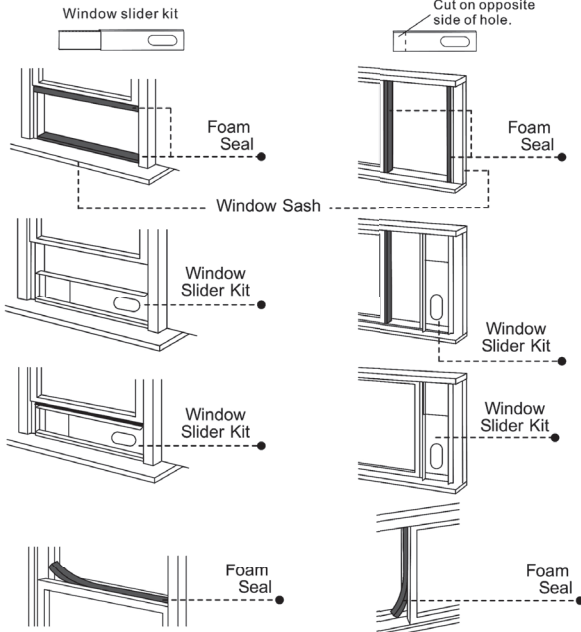
2.Assembly:
Slide Panel B into Panel A and size to window width. Window sizes vary. When sizing the window width, be sure that the window kit assembly is free from gaps and/or air pockets when taking measurements.

3.Lock the screw into the holes that correspond with the width that your window requires to ensure that there are no gaps or air pockets in the window kit assembly after installation.

4. Use the provided foam window kit sealer to close any gaps or air pockets.



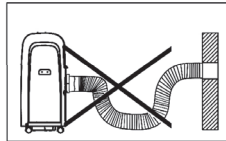
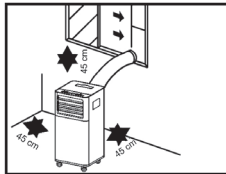
- Cut the foam seal (adhesive type) to the proper length and attach it to the window sash.
- Attach the window slider kit to the window sash. Adjust the length of the window slider kit according to the width of window. If necessary, mark the kit and cut one end down to properly fit the window.
- Cut the foam seal (adhesive type) to the proper length and attach it on the top of the window.
- Close the window securely against the window slider kit.
- Secure the window slider kit to the window sash.
- Cut the foam seal to an appropriate length and seal the open gap between the top window frame and outer window frame.



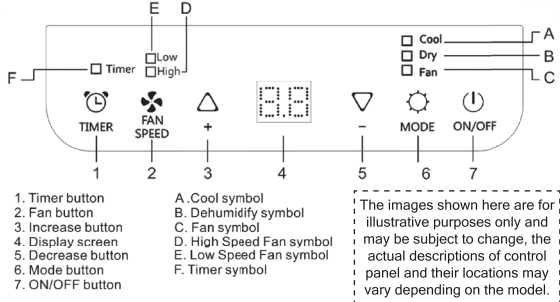
The images shown here are for illustrative purposes only and may be subject to change.

LOCATION

- The unit should be placed on a firm foundation to minimize noise and vibration. For safe and secure positioning, place the unit on a smooth, level floor strong enough to support the unit.
- The unit has casters to aid placement, but it should only be rolled on smooth, flat surfaces. Use caution when rolling on carpeted surfaces. Use caution and protect floors when rolling over wood floors. Do not attempt to roll the unit over objects.
- The unit must be placed within reach of a properly rated grounded socket.
- Never place any obstacles around the air inlet or outlet of the unit.
- Allow at least 17.5"(45cm) of space away from the wall for efficient air conditioning.
- The hose can be extended, but it is the best to keep the length to a minimum of 15.7" (40cm). Also make sure that the hose does not have any sharp bends or sags.



DESCRIPTION OF THE DISPLAY SCREEN



TURNING THE APPLIANCE ON

Plug into the mains socket, then the appliance is standby.



Press the button to make the appliance turn on. The last function active when it was turned off will appear.

✓ Never turn the air conditioner off by unplugging from the mains. Always press the button , then wait for a few minutes before unplugging. This allows the appliance to perform a cycle of checks to verify operation.

COOL mode

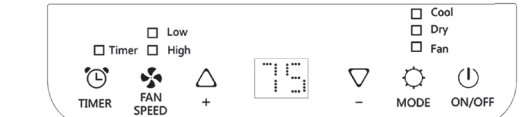
Ideal for hot muggy weather when you need to cooling and dehumidify the room.

To set this mode correctly:

- Press the button a number of times until the "Cool" symbol light appears.
- Select the target temperature 64°F-90°F (18°C-32°C) by pressing the "▲" or "▼" button until the corresponding value is displayed.
- Select the required fan speed by pressing the button. Different fan speed have different

High To achieved the temperature as fast as possible.

Low Run of the low noise.



The most suitable temperature for the room during the summer varies from 24°C to 27°C. You are recommended, however, not to set a temperature much below the outdoor temperature. This will cause unnecessary power consumption.

FAN mode

When using the appliance in this mode, the air hose does not need to be attached.

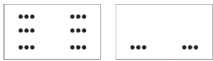
To set this mode correctly:

- Press the button a number of times until the "Fan" symbol appears.
- Select the required fan speed by pressing the button.

Two speeds are available: High/Low

- If appear symbol standard for high speed fan, and stand for low speed fan.

As the figure below:



DRY mode

Ideal to reduce room humidity (spring and autumn, damp rooms rainy periods, etc).

Before using the dry mode, the appliance should be prepared in the same way as for cool mode, with the air exhaust hose attached to enable the moisture to be discharged outside.

To set this mode correctly:

- Press the button a number of times until the "Dry" symbol light appears, the screen will appear ;

- In this mode, fan speed is selected automatically by the appliance.



SETTING THE TIMER

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

Programming start up

- Turn on the appliance, choose the mode you desire, for example cooling, 24°C and high fan speed. Turn off the appliance.
- Press the button, the screen will display 1-24 hours.
- Press several times until the corresponding time is displayed. Wait about 5 seconds, the timer will be active, then "Timer" symbol is displayed on screen.
- Press again the button, the timer will be canceled, and the "Timer" symbol will disappear from screen.

Programming shut down

- Under the running of appliance, please press the button, the screen will display 1-24 hours.
- Press several times until the corresponding time is displayed. Wait about 5 seconds, the timer will be active, then "Timer" symbol is displayed on screen.
- Press again the button, the timer will be canceled, and the "Timer" symbol will disappear from screen.

Switch the unit of temperature

Hold on and button three seconds by the same time, then you can change the unit of temperature.

For example:

Before change, in cool mode, the screen display like Fig.1.

After change, in cool mode, the screen display like Fig.2.



SELF-DIAGNOSIS

The appliance has a self diagnosis system to identify unit malfunctions. Error messages are displayed on the appliance display.

IF DISPLAYED	WHAT SHOULD I DO?
 LOW TEMPERATURE (frost prevention)	The appliance is fitted with a frost protection device to avoid excessive formation of ice. The appliance starts up again automatically when the defrosting process is completed.
 PROBE FAILURE (sensor damaged)	If this is displayed, contact service center.
 FULL TANK (safety tank full)	Empty the internal safety tank, following the instructions in the "End of season operations" paragraph.

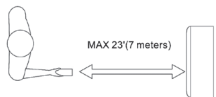
REMOTE CONTROL MANUAL

NOTE: The remote control vary depend of model: The buttons on the remote control may have a different name or location than the remote control shows in this manual.

	On/Off button		Fan speed button
	Increase button		Mode button
	Decrease button		Swing button
	Timer button		Sleep button
	Unit Switch button		

NOTE: This serial model have no auto swing function.

- ✓ Point the remote control at the sensor on the appliance.
- ✓ The remote control must be no more than 23ft (7 meters) away from the appliance (without obstacles between the remote control and the receiver).
- ✓ The remote control must be handled with extreme care. Do not drop it or expose it to direct sunlight or sources of heat. If the remote control does not work, check the batteries and replace with new batteries. Do not mix new and old batteries.



INSERTING OR REPLACING THE BATTERIES

(Batteries not included)

- Remove the cover on the rear of the remote control;
- Insert two "AAA" 1.5V batteries in the correct position (see instructions inside the battery compartment);



NOTE:

- ✓ If the remote control unit is replaced or disposed of, the batteries must be removed and discarded in accordance with current legislation as they are harmful to the environment.
- ✓ Do not mix old and new batteries. Do not mix alkaline, standard (carbon-zinc) or rechargeable (nickel-cadmium) batteries.
- ✓ Batteries may explode or leak if exposed to open flames. Dispose of batteries accordingly.
- ✓ If the remote control is not being used for extended periods of time (winter storage), remove the batteries and store in a cool, dry location.

COOL mode

Ideal for hot muggy weather when you need to cooling and dehumidify the room.

To set this mode correctly:

- Press the button a number of times until the "Cool" symbol light appears.
- Select the target temperature 18°C-32°C (64°F-90°F) by pressing the "▲" or "▼" button until the corresponding value is displayed.
- Select the required fan speed by pressing the button. Different fan speed have different function.

HighTo achieved the temperature as fast as possible.

Low Run of the low noise.

The most suitable temperature for the room during the summer varies from 75°F to 81°F (24°C to 27°C). You are recommended, however, not to set a temperature much below the outdoor temperature. The fan speed difference is more noticeable when the appliance is under FAN mode but may not be noticeable under COOL mode.

FAN mode

When using the appliance in this mode, the air hose does not need to be attached.

- Press the button a number of times until the "Fan" symbol light appears.
- Select the required fan speed by pressing the button.

Two speeds are available: High/Low

- If appear symbol standard for high speed fan, and stand for low speed fan.

As the figure below:



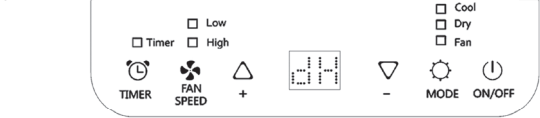
DRY mode

Ideal to reduce room humidity (spring and autumn, damp rooms rainy periods, etc).

In dry mode, the appliance should be prepared in the same way as for cool mode, with the air exhaust hose attached to enable the moisture to be discharged outside.

To set this mode correctly:

- Press the button a number of times until the "Dry" symbol light appears, the screen will appear ;
- In this mode, fan speed is selected automatically by the appliance and default low speed fan.



SWING function

NOTE: This serial unit have no auto swing function. Please adjust the deflectors by manual to the suitable position.
A: Horizon deflector
B: Vertical deflector

SLEEP function

This function is useful for the night as it gradually reduces operation of the appliance.

To set this function correctly:

- Select the cool or heat mode as described above.
- Press the button.

The appliance operates in the previously selected mode.

When you choose the sleep function, the screen will reduce the brightness, and the fan speed is low.

The SLEEP function maintains the room at optimum temperature without excessive fluctuations in either temperature or humidity with silent operation. Fan speed is always at Low, while room temperature and humidity vary gradually to ensure the most comfortable.

When in COOL mode, the selected temperature will increase by 1°C (1°F) per hour in a 2 hour period. This new temperature will be maintained for the next 6 hours. Then the appliance turn it off.

The SLEEP function can be canceled at any time during operation by pressing the "Sleep", "Mode" or "fan speed" button.

In FAN or DRY mode, SLEEP function cannot be set.

SETTING THE TIMER

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

Programming start up

- Turn on the appliance, choose the mode you desire, for example cooling, 24°C and high fan speed. Turn off the appliance.
- Press the button, the screen will display 1-24 hours.
- Press several times until the corresponding time is displayed. Wait about 5 seconds, the timer will be active, then "Timer" symbol is displayed on screen.
- Press again the button, the timer will be canceled, and the "Timer" symbol will disappear from screen.

Programming shut down

- Under the running of appliance, please press the button, the screen will display 1-24 hours.
- Press several times until the corresponding time is displayed. Wait about 5 seconds, the timer will be active, then "Timer" symbol is displayed on screen.
- Press again the button, the timer will be canceled, and the "Timer" symbol will disappear from screen.

Switch the unit of temperature

Press the button, then you can change the unit of temperature.

For example:

Before change, in cool mode, the screen display like Fig.1.

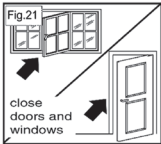
After change, in cool mode, the screen display like Fig.2.



TIPS FOR CORRECT USE

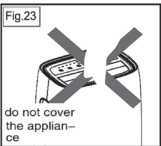
To get the optimal performance from your appliance, follow these recommendations:

- Close the windows and doors in the room to be air conditioned (Fig. 21). When installing the appliance semi-permanently, you should leave a door slightly open (as little as 1 cm) to guarantee correct ventilation.



- Protect the room from direct exposure to the sun by partially closing curtains and/or blinds to make the appliance much more economical to run (Fig. 22).
- Never rest objects of any kind on the appliance.

- Do not obstruct the air intake and outlet (Fig. 23). Leave the grilles free.
- Make sure there are no heat sources in the room.
- Never use the appliance in very damp rooms (laundry room, for example).
- Never use the appliance outdoors.
- Make sure the appliance is standing on a level surface.

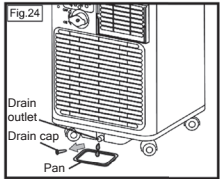


WATER DRAINAGE METHOD

When there is excess water condensation inside the unit, the appliance stops running and shows (FULL TANK as mentioned in SELF-DIAGNOSE). This indicates that the water condensation needs to be drained using the following procedures:

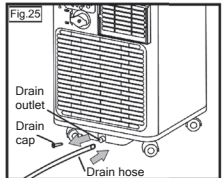
Manual Draining (Fig.24)

1. Unplug the unit from power source.
2. Place a pan(not supply) under the lower drain plug. See diagram.
3. Remove the lower drain plug.
4. Water will drain out and collect in the pan.
5. After the water is drained, replace the lower drain plug firmly.
6. Turn on the unit.



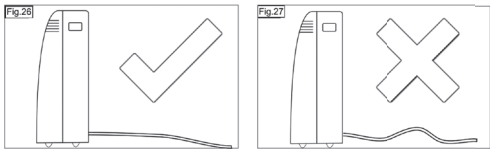
Continuous Draining (Fig.25)

1. Unplug the unit from the power source.
2. Remove the drain plug. While doing this operation some residual water may spill so please have a pan (not supply) to collect the water.
3. Connect the drain hose (1/2" or 12.7mm, maybe not supplied). See diagram.
4. The water can be continuously drained through the hose into a floor drain or bucket.
5. Turn on the unit.



NOTE:

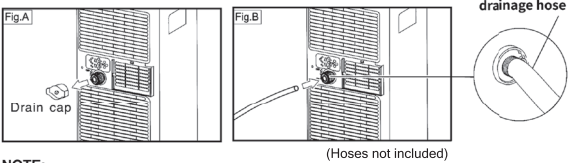
Please be sure that the height of and section of the drain hose should not be higher than that of the drain outlet, or the water tank may not be drained (fig. 26 and fig. 27)



Middle drainage

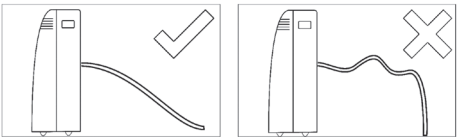
When unit running in Dry mode, you can choose the way below to drainage.

1. Unplug the unit from the power source.
2. Remove the drain plug(Fig.A). While doing this operation some residual water may spill so please have a pan to collect the water.
3. Connect the drain hose (1/2" or 12.7mm, maybe not supplied). (Fig.B)
4. The water can be continuously drained through the hose into a floor drain or bucket.
5. Turn on the unit.



NOTE:

Please be sure that the height of and section of the drain hose should not be higher than that of the drain outlet, or the water tank may not be drained. Please see following fig.



CLEANING

Before cleaning or maintenance, turn the appliance off by pressing the button on the control panel or remote control, wait for a few minutes then unplug from the mains socket.

CLEANING THE CABINET

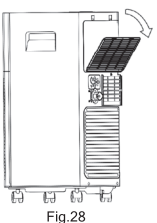
You should clean the appliance with a slightly damp cloth then dry with a dry cloth, may not used water to wash appliance.

- Never wash the appliance with water. It could be dangerous.
- Never use petrol, alcohol or solvents to clean the appliance.
- Never spray insecticide liquids or similar.

CLEANING THE AIR FILTERS

To keep your appliance working efficiently, you should clean the filter every week of operation.

Follow the fig.28 direction and open the grid of appliance, then take out evaporator from the back of grid. Use a vacuum cleaner to remove dust accumulations from the filter. If it is very dirty, immerse in warm water and rinse a number of times. The water should never be hotter than 104°F(40°C). After washing, leave the filter to dry then attach the intake grille to the appliance.



START-END OF SEASON OPERATIONS

START OF SEASON CHECKS

Make sure the power cable and plug are undamaged and the earth system is efficient. Follow the installation instructions precisely.

END OF SEASON OPERATIONS

To empty the internal circuit completely of water, remove the cap. Run off all water left into a basin. When all the water has been drained, put the cap back in place. Clean the filter and dry thoroughly before putting back.

LIMIT CONDITIONS

Temperature of room 64°F-95°F (18°C-35°C)(Cooling)
Humidity of room 30%RH - 80%RH

TROUBLESHOOTING

ROOM CONDITIONS

Temperature of room 64°F-95°F (18°C-35°C)(Cooling)
Temperature of room 50°F-77°F (10°C-25°C)(Heating)

PROBLEM	CAUSE	SOLUTION
The appliance does not come on	• There is no current • It is not plugged in • The internal safety device has tripped	• Check the power supply • Plug the unit into a power outlet • Wait 30 minutes. If the problem persists, contact service center.
The appliance works for a short time only	• There are bends in the air exhaust hose • Something is preventing the air from being discharged	• Position the air exhaust hose correctly, keeping it as short as possible and free of curves to avoid bottlenecks • Check and remove any obstacles obstructing air discharge
The appliance works, but does not cool the room	• Windows, doors and/or curtains open • There are heat sources in the room (oven, hairdryer, etc) • The air exhaust hose is detached from the appliance • The technical specification of the appliance is not adequate for the room in which it is located	• Close doors, windows and curtains, bearing in mind the "tips for correct use" given above • Eliminate the heat sources • Fit the air exhaust hose in the housing at the back of the appliance
During operation, there is an unpleasant smell in the room	• Air filter clogged	• Clean the filter as described above
The appliance does not operate for about three minutes after restarting it	• The internal compressor safety device prevents the appliance from being restarted until three minutes have elapsed since it was last turned off	• This delay is part of normal operation and the unit will be able to operate after three minutes have passed
The following message appears on the display:	• The appliance has a self diagnosing system to identify unit malfunctions	• See the SELF-DIAGNOSIS section above

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