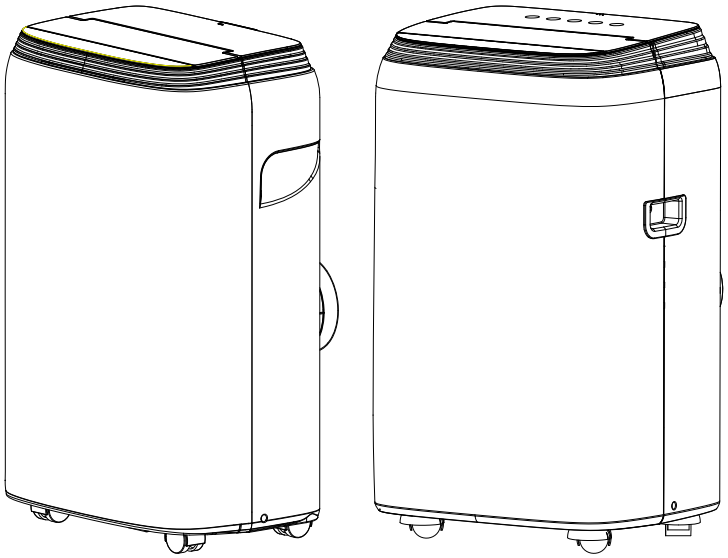
FRIEDRICH

Portable Air Conditioner
User Manual



MODEL: ZCP08SA
ZCP10SA
ZCP12SA

Thank you for selecting our quality appliance. Please be sure to read this user manual carefully before using. Any question, please contact the professional service for help.

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IMPORTANT SAFEGUARDS

● Disconnect the appliance from its power source during service and when replacing parts and cleaning.
● The appliance shall not be installed in the laundry.
● Please note: Check the nameplate for the type of refrigerant gas used in your appliance.
● Specific information regarding appliances with refrigerant gas.
The appliance is recommended not to pierce the cooling circuit of the machine.
At the end of its useful life, deliver the appliance to a special waste collection center for disposal.
GWP (Global Warming Potential): R410A: 2088, R134a: 1430, R290: 3, R32: 675.
● This hermetically sealed system contains fluoridated greenhouse gases.
● ENVIRONMENTAL INFORMATION: This unit contains fluoridated greenhouse gases covered by the Kyoto Protocol.
● Do not use this unit for functions other than those described in this instruction manual.
● Make sure the plug is plugged firmly and completely into the outlet. Failure to do so can result in the risk of electric shock or fire.
● Do not plug other appliances into the same outlet, it can result in the risk of electric shock.
● Do not disassemble or modify the appliance or the power cord. Failure to do so can result in the risk of electric shock or fire. All other services should be referred to a qualified technician.
● Do not place the power cord or appliance near a heater, radiator, or other heat source as this can result in the risk of electric shock or fire.
● This unit is equipped with a cord that has an earthed wire connected to an earthed pin or grounding tab. The plug must be plugged into a socket that is properly installed and earthed. Do not under any circumstances cut or remove the earthed pin or grounding tab from this plug.
● The unit should be used or store in such a way that it is protected from moisture e.g. condensation, splashed water, etc. Unplug the unit immediately if this occurs.
● Always transport your appliance in a vertical position and place on a stable, level surface during use. If the unit is transported laying on its side, it should be stood up and left unplugged for 6 hours.
● Always use the switch on the control panel or remote control to turn the unit off, and do not start or stop operation by plugging in or unplugging the power cord. This can result in the risk of electric shock.
● Do not touch the buttons on the control panel with your wet and damp fingers.
● Do not use hazardous chemicals to clean or allow to come into contact with the unit. To prevent damage to the surface finish, use only a soft cloth to clean the appliance. Do not use wax, thinner, or a strong detergent. Do not use the unit in

the presence of inflammable substance or vapor such as alcohol, insecticides, gasoline, etc.
● If the appliance is making unusual sounds or is emitting smoke or an unusual odor, unplug it immediately.
● 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 Customer Service.
● Utilize two or more people to lift and install the unit.
● Always grasp the plug when plugging in or unplugging the appliance. Never unplug by pulling on the cord. It can result in the risk of electrical shock and damage.
● Install the appliance on a sturdy, level floor capable of supporting up to 110lbs (50kg). Installation on a weak or unlevel floor can result in the risk of property damage and personal injury.
● If the appliance has the Wi-Fi function, the transmission power is less than 20 dBm, and the radio frequency range is 2412 MHz-2472 MHz.
● The appliance is compliant with the RE Directive (2014/53/EU).
● This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
● Minimum Installation Clearance: 45 cm around the unit and 45 cm above the unit.
● Children should be supervised to ensure that they do not play with the appliance.
● If the SUPPLY CORD is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
● The appliance shall be installed in accordance with national wiring regulations.

For appliances employing flammable refrigerants, the following information is provided in the Installation and/or Operating Manuals. For models to be sold in Canada, the marking shall be in both English and French.

WARNING
● Do not attempt to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.
● The appliance shall be stored in a room without continuously operating ignition sources (for example: open flames, an operating gas appliance or an operating electric heater.
● Do not pierce or burn.
● Be aware that refrigerants may not contain an odor.

IMPORTANT SAFEGUARDS

● The above 4 statements is also accompanied by the risk of fire symbol. This symbol shows a flame in a triangle (warning symbol W021 of ISO 7010).

See the following for the French version:

AVERTISSEMENT
● Ne pas utiliser de produits permettant d'accélérer le dégel ou de produits de nettoyage autres que ceux recommandés par le fabricant.
● L'appareil doit être entreposé dans un endroit sans source d'allumage fonctionnant en continu (par exemple : flamme nue, appareil au gaz en marche ou radiateur électrique en marche).
● Ne pas percer ni brûler.
● Attention : les frigorigènes peuvent être inodores.

The following information is also specified for units with flammable refrigerant (R32).

[x] the maximum refrigerant charge amount (Refer to nameplate marking refrigerant amount);

[x] information for handling, installation, cleaning, servicing and disposal of refrigerant;

[x] a warning to keep any required ventilation openings clear of obstruction;

[x] a notice that servicing shall be performed only as recommended by the manufacturer.

[x] a warning that the appliance shall be stored in a well-ventilated area where the room size corresponds to the room area as specified for operation;

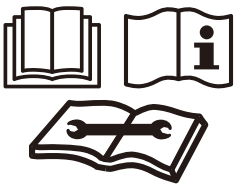
[x] a warning that the appliance shall be stored in a room without continuously operating open flames (for example an operating gas appliance) and ignition sources (for example an operating electric heater).

[x] instructions as to how the appliance is to be stored so as to prevent mechanical damage from occurring.

[x] specific information about the required qualification of the working personnel for maintenance, service and repair operations.

IMPORTANT SAFEGUARDS

caution, risk of fire



According the US and CANDA ruler:

CAN ICES-3 (B)/NMB-3(B)
Contains FCC ID:2ANDL-TYWE1S
Contains IC ID: 23243-TYWE1S

FCC Caution

● This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

● Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.

-Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

IMPORTANT SAFEGUARDS

-Consult the dealer or an experienced radio/TV technician for help.
The distance between user and device should be no less than 20cm.

IC Warning
This device complies with Industry Canada's license-exempt RSS's. Operation is subject to the following two conditions:
(1) This device may not cause interference; and
(2) This device must accept any interference, including interference that may cause undesired operation of the device.
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Cet appareil est conforme aux CNR exemptes de licence d'Industrie Canada .
Son fonctionnement est soumis aux deux conditions suivantes :
(1) Ce dispositif ne peut causer d'interférences ; et
(2) Ce dispositif doit accepter toute interférence , y compris les interférences qui peuvent causer un mauvais fonctionnement de l'appareil.
Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayon.

IMPORTANT - GROUNDING METHOD

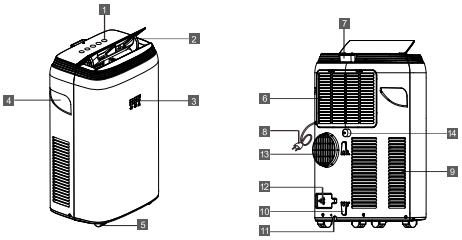
This product is factory equipped with a power supply cord that has a three-pronged grounded plug. It must be plugged into a mating grounding type receptacle in accordance with the National Electrical Code and applicable local codes and ordinances. If the circuit does not have a grounding type receptacle, it is the responsibility and obligation of the customer to exchange the existing receptacle in accordance with the National Electrical Code and applicable local codes and ordinances. The third ground prong should not, under any circumstances, be cut or removed. Never use the cord, the plug or the appliance when they show any sign of damage. Do not use your appliance with an extension cord unless it has been checked and tested by a qualified electrical supplier. Improper connection of the grounding plug can result in risk of fire, electric shock and/or injury to persons associated with the appliance. Check with a qualified service representative if in doubt that the appliance is properly grounded.

ELECTRICAL CONNECTIONS

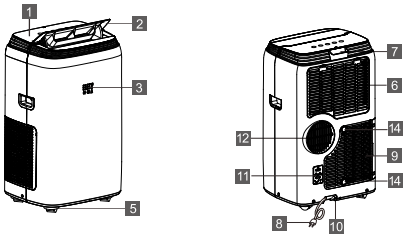
Before plugging the appliance into the mains socket, check that:
● The mains power supply corresponds to the value indicated on the rating plate on the back of the appliance.
● The power socket and electrical circuit are adequate for the appliance.
● The mains socket matches the plug. If this is not the case, have the plug replaced.
● The mains socket is adequately earthed. Failure to follow these important safety instructions absolves the manufacturer of all liability.

DESCRIPTION

ZCP08SA\ZCP10SA:



ZCP12SA:



1.Control panel
2.Deflector
3.Display screen
4. Handle (both sides)
5. Castors
6. Intake grille
7. Remote controller holder
8. Power cable
9. Intake grille
10. Hooks
11. Condenser drain
12. Plug fixer
13. Air outlet grille
14. Middle drainage

ACCESSORIES

PARTS	PARTS NAME	QUANTITY
or	Exhaust hose Hose outlet Hose inlet	1 set
	Window slider kit	1 set
	Window slider without hole	1 set
	Screw	1 set
	Remote Control Batteries (Two AAA 1.5V)	1 set
	Drain Hose	1 pc
	Window Sealing Sponge Assembly	1 set

Note: All the illustrations in this manual are for explanatory purposes only.
Your appliance may be slightly different.
Be sure all accessories are removed from the packing before use.

INSTALLATION INSTRUCTIONS

In the Cool Mode the appliance must be placed close to a window or opening so that the warm exhaust air can be ducted outside.
First position unit on a flat floor and make sure there's a minimum of 18” (45cm) clearance around the unit, and is within the vicinity of a single circuit outlet power source.
1. Extend either side of the hose (Fig.1) and screw the hose inlet (Fig.2).
2. Extend the other side of the hose and screw it to the hose outlet (Fig.3).
3. Install the hose inlet into the unit (Fig.4).
4. Affix the hose outlet into the window slider kit
5.and seal. (Fig.5 &6).

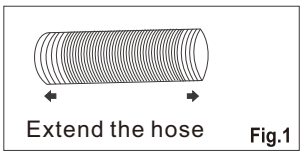


Fig.1

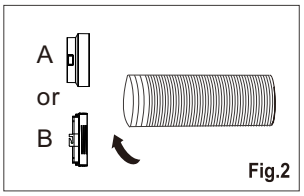


Fig.2

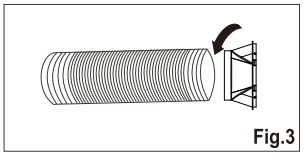


Fig.3

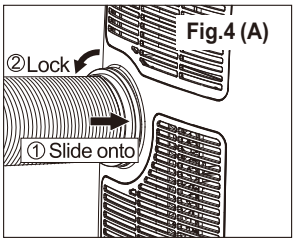


Fig.4 (A)

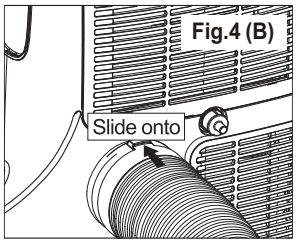
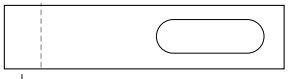


Fig.4 (B)



The window slider kit has been designed to fit most standard vertical and horizontal window applications; however, it may be necessary for you to modify some aspects of the installation procedures for certain types of windows. The window slider kit can be fastened with screws.

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.

INSTALLATION INSTRUCTIONS

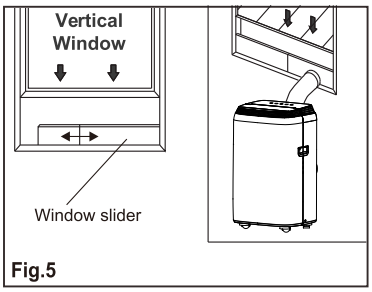


Fig.5

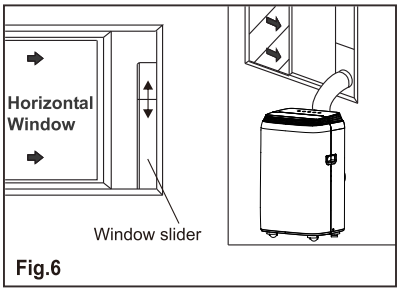
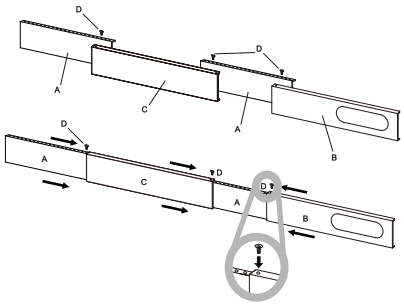


Fig.6

WINDOW SLIDER KIT INSTALLATION

1:Parts:
A) Panel
B) Panel with one hole
C) Panel without hole (maybe not supplied)
D) Screw to lock window kit in place

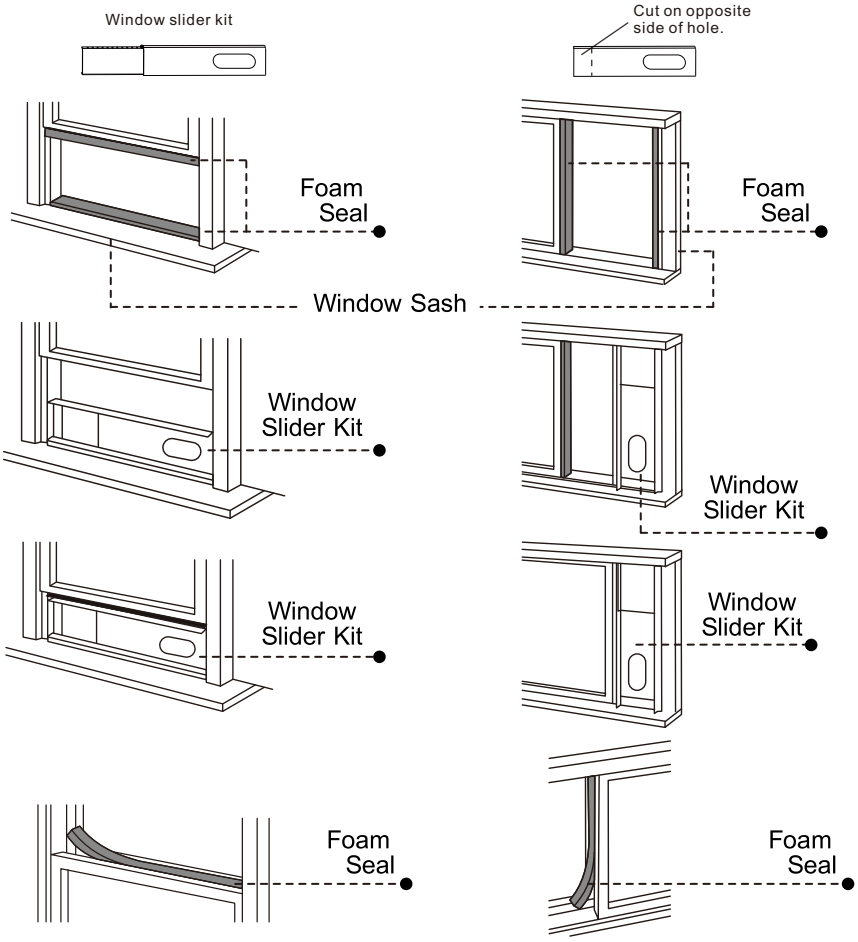
2: Assembly:
Slide Panel B and C into Panel A and size to widow width. Windows sizes vary. When sizing the window width, be sure that the window kit assembly is free from gaps from gaps and/or air pockets when taking measurements.



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.

INSTALLATION INSTRUCTIONS

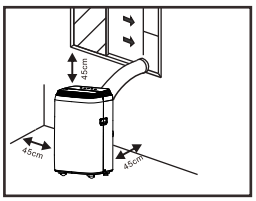
1. Cut the foam seal(adhesive type) to the proper length and attach it to the window sash.
2. Attach the window slider kit to the window sash. Adjust the length of the window slider kit according to the width of window. If necessary, mark the kit and cut one end down to properly fit the window.
3. Cut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

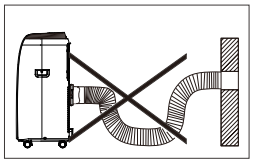


INSTALLATION INSTRUCTIONS

LOCATION

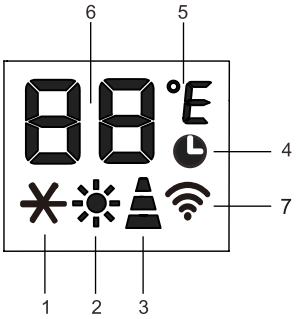
● The unit should be placed on a firm foundation to minimize noise and vibration. For safe and secure positioning. place the unit on a smooth, level floor strong enough to support the unit.
● The unit has casters to aid placement, but it should only be rolled on smooth, flat surfaces. Use caution when 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 18” (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 minimum required. Also make sure that the hose does not have any sharp bends or sags.





DESCRIPTION OF THE DISPLAY SCREEN

1.COOL symbol
2.HEAT symbol *
3.Fan Speed Indicator
4.TIMER symbol5.Temperature symbol
6.Temperature indicator
7.WIFI symbol **



NOTE:
* only heat pump models have this function.
** only WIFI model have this function.
NOTE:
When the unit is connected with phone, the WIFI symbol will illuminate. Please refer to Wi-Fi manual for connection instructions.

OPERATING FROM THE CONTROL PANEL

The control panel on the top of the appliance, allows you to manage part functions without a remote control.

OPERATING FROM THE CONTROL PANEL

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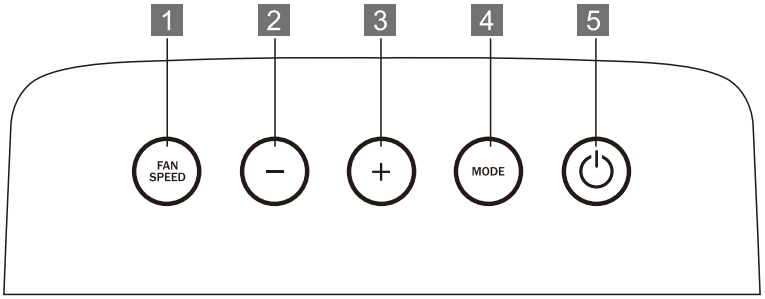


DESCRIPTION OF THE DISPLAY SCREEN

Power ON

√ Plug into the mains socket. Once plugged in, the appliance will be in standby mode. Press the ⏻ button to make the appliance turn on. The unit will power on to the last function actively in use when powered off.

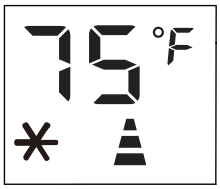
√ Never turn the air conditioner off by unplugging from the main socket. Always press the Power button ⏻ , then wait for a few minutes before unplugging. This allows the appliance to perform a cycle of checks to verify operation.

COOL mode

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

To set this mode correctly:

- Press the MODE button until the ✳ symbol appears.
- Select the target temperature between 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 FAN SPEED button.
- Fan speed can be selected: High, Med, Low, Auto



High speed: for maximum fan power

Med speed: reduces noise levels but still maintains a good level of comfort

Low speed: for silent operation

Auto speed: the appliance automatically selects the most suitable fan speed in relation to the temperature set.

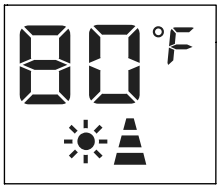
The most suitable temperature for the room during the summer varies from 75°F to 81°F (24°C to 27°C). We recommend the temperature setting be not too far below the outdoor temperature. The fan speed difference is more noticeable when the appliance is under FAN mode but may not be noticeable under COOL mode.

DESCRIPTION OF THE DISPLAY SCREEN

HEAT mode *

* only the heat pump model will have this function.

To set this mode correctly:



● Press the (MODE) button repeatedly until the ☀ symbol appears.

● Select the target temperature 55°F-81°F (13°C-27°C) by pressing the (−) or (+) button until the corresponding value is displayed.

● Select the required fan speed by pressing the (FAN SPEED) button.

● Fan speed can be selected: High, Med, Low, Auto.

● Water is removed from the air and collected in the tank.

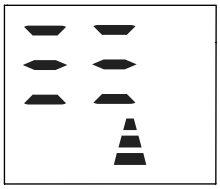
● When the tank is full, the appliance shuts down and "FL" (full tank) appears on the display. The tank cap must be extracted and emptied. Run off all water left into a basin. When all the water has been drained, put the cap back in place.

● When the tank has been emptied, the appliance starts up again.

NOTE:

- When operating in very cold rooms, the appliance will defreeze automatically, momentarily interrupting normal operation. LL will appear on the display. During this operation, it is normal for the noise made by the appliance to change.
- In this mode, you may have to wait for a few minutes before the appliance starts providing hot air.
- In this mode, the fan may operate for short periods, even though the set temperature has already been reached.

FAN mode



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

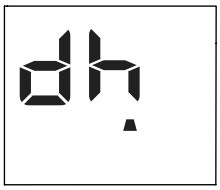
● Press the (MODE) button continuously until the Symbol appears.

● Select the required fan speed by pressing the (FAN SPEED) button.

● Fan speed can be selected: High, Med, Low.

DESCRIPTION OF THE DISPLAY SCREEN

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 (MODE) button continuously until the dh symbol appears.
- In this mode, fan speed is selected automatically by the appliance and cannot be set manually.

Switch the unit of temperature

When the appliance is running, hold the " (+) " and " (−) " button together for 3 seconds at the same time, then you can change the unit of temperature.
For example:
Before the change, in cool mode, the screen display will default to Celsius like fig1.
After change, in cool mode, the screen display shows Fahrenheit like fig 2.

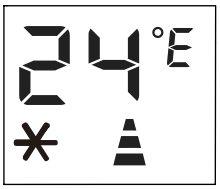


Fig 1

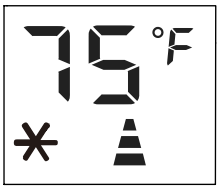


Fig 2

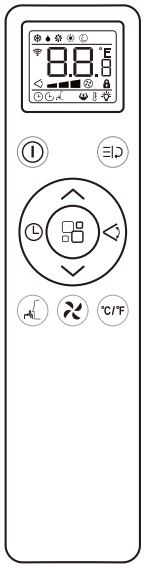
DESCRIPTION OF THE DISPLAY SCREEN

SELF-DIAGNOSIS

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

IF DISPLAYED	WHAT SHOULD I DO?
Lt 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.
PF PROBE FAILURE (sensor damaged)	If this is displayed, contact your local authorized service centre.
Ft FULL TANK (safety tank full)	Empty the internal safety tank, following the instructions in the "End of season operations" paragraph.

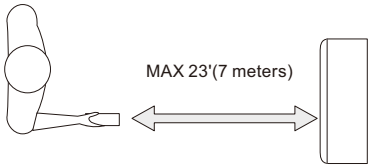
MANUAL OF REMOTE CONTROL



	On/Off button		Fan speed button
	Increase button		Mode button
	Decrease button		Swing button
	Timer button		Sleep button
°C/°F	Unit Switch button		Turbo*

	COOL symbol		SLEEP symbol
	DRY symbol		Timer ON symbol
	FAN symbol		Timer OFF symbol
	HEAT symbol		Fan speed symbol
	SMART symbol		Turbo symbol
	Swing symbol		Child lock symbol

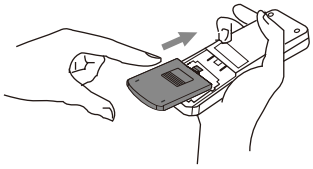
√ Point the remote control at the receiver on the appliance.
√ The remote control must be no more than 7 yards away from the appliance (without obstacles between the remote control and the receiver).
√ The remote control must be handled with extreme care. Do not drop it or expose it to direct sunlight or sources of heat. If the remote control does not work, please replace the batteries.



MANUAL OF REMOTE CONTROL

INSERTING OR REPLACING THE BATTERIES

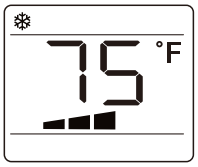
● Remove the cover on the rear of the remote control;
● Insert two "AAA" 1.5V batteries in the correct position (see instructions inside the battery compartment);
● Replace the cover.



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.
√ Do not dispose of batteries in fire. Batteries may explode or leak.
√ If the remote control is not be used for a certain length of time, remove the batteries.

COOL mode

Ideal for hot muggy weather when you need to cool and dehumidify the room
To set this mode correctly:
● Press the button a number of times until the symbol 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.
Four speeds are available: High / Medium / Low / Auto.

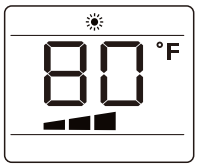


Low	Medium	High	Auto

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 than the outdoor temperature.

MANUAL OF REMOTE CONTROL

HEAT mode *



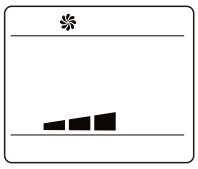
* means only the heat pump model have this function.
If the appliance is cooling only, when choose this function, will turn to FAN mode.

- Press the button a number of times until the symbol appears.
- Select the target temperature 55°F-81°F (13°C-27°C) by pressing the ∧ or ∨ button until the corresponding value is displayed.
- Select the required fan speed by pressing the button.
  Four speeds are available: High / Medium / Low / Auto.
- Water is removed from the air and collected in the tank.
- When the tank is full, the appliance shuts down and "Ft" (full tank) appears on the display. The tank cap must be extracted and emptied. Run off all water left into a basin. When all the water has been drained, put the cap back in place.
- When the tank has been emptied, the appliance starts up again.

NOTE:

- When operating in very cold rooms, the appliance will defreeze automatically, momentarily interrupting normal operation. Lt appears on the display during this process. During this operation, it is normal for the noise made by the appliance to change.
- In this mode, you may have to wait for a few minutes before the appliance starts giving out hot air.
- In this mode, the fan may operate for short periods, even though the set temperature has already been reached.

FAN mode

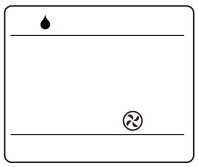


When using the appliance in this mode, the air hose does not need to be attached.

- Press the button a number of times until the " " symbol appears.
- Select the required fan speed by pressing the button.
Three speeds are available: High / Medium / Low.

MANUAL OF REMOTE CONTROL

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 enablethe moisture to be discharged outside.
To set this mode correctly:
● Press the button continuously until the symbol appears.
● In this mode, fan speed is selected automatically by the appliance and cannot be set manually.

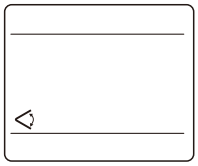
SMART mode

This model doesn't have SMART mode. When this function is selected, the appliance will instead default to FAN mode.

Turbo function

This model doesn't offer this function.

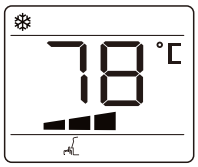
SWING function



This function is useful for selecting the up/down swing of air delivery.
To set this function correctly:
● Select the operating mode (cool, dry, fan) as described above.
● Press the button, the deflector will start or stop swing.

MANUAL OF REMOTE CONTROL

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.

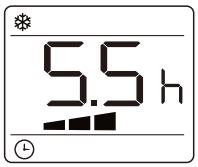
The appliance operates in the previously selected mode.
When you choose the sleep function, the screen will reduce the brightness,and the fan speed is low.

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

When in COOL mode, the selected temperature will increase by 1°F per hour in a 2 hour period. This new temperature will be maintained for the next 6 hours. Then the appliance will shut down.

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.

Programming start up



- Turn on the appliance, then choose the mode you want,

For example, cool, 24℃, high fan speed. Turn off the appliance.
- Press the button twice, the screen will display 0.5-24 hours, and the symbol and " h " symbol is flash.
- Press the ∧ or ∨ button several times until the corresponding time is displayed.

Press the button again, the timer will be active, then the symbol displayed on screen.
- Press again the button or the button, the timer will be canceled, and the symbol will disappear.

MANUAL OF REMOTE CONTROL

Programming shut down

● When the appliance is running, press the button, the screen will display 0.5-24 hours, the symbol and " h " symbol is flash.
● Press the ∧ or ∨ button several times until the corresponding time is displayed. Press the button again, the timer will become active, then the symbol will be displayed on screen.
● Press the button again or the button to cancel the timer and remove the , the symbol.

Switch the unit of temperature

When the appliance is running, press the ℃/℉ button, then you can change the unit of temperature.
For example:
Before change, in cool mode, the screen display like fig left.
After change, in cool mode, the screen display like fig right.

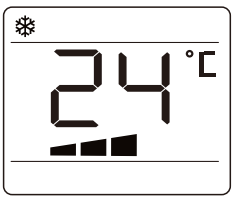


Fig1

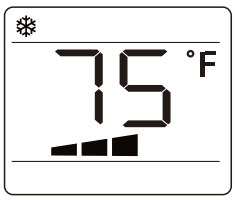


Fig2

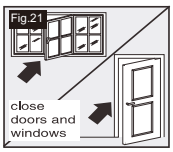
CHILD-LOCK function

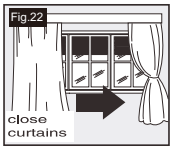
This function is designed to prevent accidental setting changes on the remote controller.
● Hold the " ∧ " and " ∨ " button together about 3 seconds to active the child-lock function, and the " 🔒 " symbol will appear on screen.
● When this function is active, it will not respond to any actions.
● Hold the " ∧ " and " ∨ " button together about 3 seconds again, the child-lock will be canceled, and the " 🔒 " symbol is disappearing.

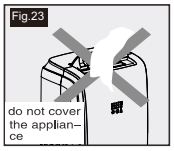
MANUAL OF REMOTE CONTROL

TIPS FOR CORRECT USE

To get the best 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 block the air inlet or outlet of the appliance. Reduced air flow will result in poor performance and could damage the unit (fig. 23).
● Make sure there are no heat sources in the room;
● Never use the appliance in very damp rooms (laundries for example).
● Never use the appliance outdoors.
● Make sure the appliance is standing on a level surface. if necessary, place the castor locks under the front wheels.





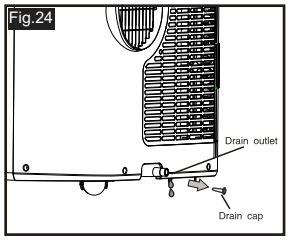


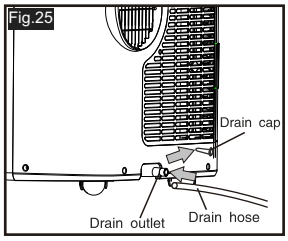
WATER DRAINAGE METHOD

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

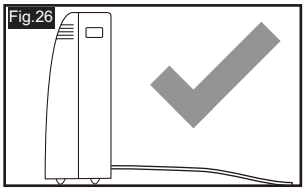
Manual Draining (Fig.24)
Water may need to be drained in high humidity areas
1 .Unplug the unit from power source.
2. Place a drain pan under the lower drain plug. See diagram.
3. Remove the lower drain plug.
4. Water will drain out and collect in the drain pan (maybe not supplied).
5. After the water is drained, replace the lower drain plug firmly.
6.Turn on the unit.

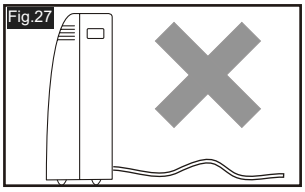
Continuous Draining (Fig.25)
While using the unit in dehumidifier mode, continuous drainage is recommended.
1 .Unplug the unit from the power source.
2. Remove the drain plug. While doing this operation some residual water may spill so please have a pan to collect the water.
3. Connect the drain hose (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)





WATER DRAINAGE METHOD

Middle drainage

When running the unit in Dry mode, you can choose the way to drain:

1. Unplug the unit from the power source.
2. Remove the drain cap (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, 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.

Fig.A

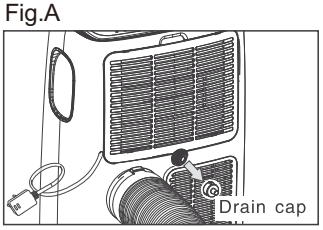
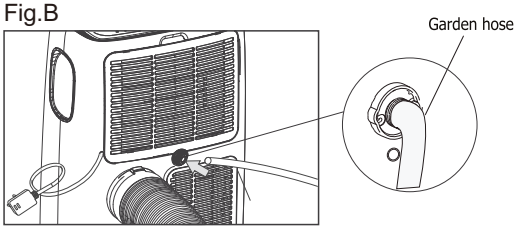


Fig.B



NOTE:

• Condensate may flow out after removing the drain cap, if the unit is running in Cool and Dry mode. When you want to remove the garden hose, prepare a drip tray (not supplied) to collect the condensate from the drain outlet.

• Please be sure that the height of the drain and section of the drain hose should not be higher than that of the drain outlet, or the continous drainage may not work properly (Fig.C & Fig.D).

• During Cool mode, it is recommended to disable continuous drainage by replacing the drain cap to the drain outlet, to reach the maximum performance.

Fig.C

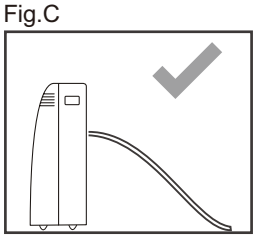
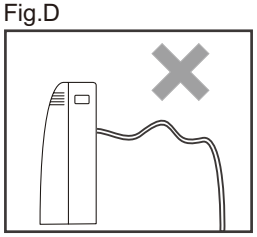


Fig.D



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 the unit.

CLEANING THE CABINET

You should clean the appliance with a slightly damp cloth then dry with a dry cloth.

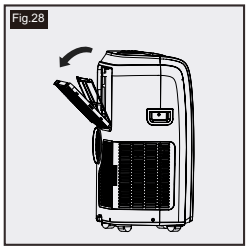
- Never wash the appliance with water. It could be dangerous.
- Never use petrol, alcohol or solvents to clean the appliance.
- Never spray insecticide liquids or similar.

CLEANING THE AIR FILTERS

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

The evaporator filter can take out like Fig. 28.

To avoid possible cuts, avoid contacting the metal parts of the appliance when removing or re-installing the filter. It can result in the risk of personal injury.



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

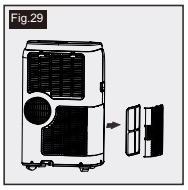
The evaporator filter can take out like Fig. 28.

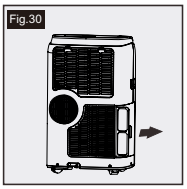
The condenser filters are two pieces.

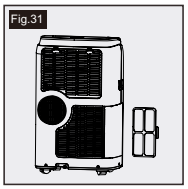
Step1:Take out one filter like Fig. 29.

Step2: Take out other filter like Fig.30-31.

- To avoid possible cuts, avoid contacting the metal parts of the appliance when removing or re-installing the filter. It can result in the risk of personal injury.



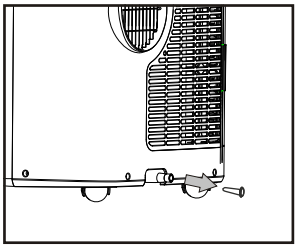




Use a vacuum cleaner to remove dust accumulations from the filter. If it is very dirty, immerse in warm water and rinse several times. The water should never be hotter than 104°F. After washing, leave the filter to dry then attach the intake grille to the appliance.

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(fig. 32).
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.

TECHNICAL SPECIFICATIONS

Mains voltage	see rating label
Maximum power in cooling mode	- -
Refrigerant	- -
Cooling capacity	- -

Strictest operation environment:
Cooling mode: 18°C-35°C (64°F-95°F), 30%RH~90%RH
Heating mode: 10°C-25°C (50°F-77°F), 30%RH~90%RH

TROUBLESHOOTING

ROOM CONDITIONS

Temperature of room 64°F-95°F (18℃-35℃)(Cooling)

Temperature of room 50°F-77°F (10℃-25℃)(Heating)

TROUBLESHOOTING

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 TCL customer service
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	• Close doors, windows and curtains, bearing in mind the "tips for correct use" given above
	• There are heat sources in the room (oven, hairdryer, etc)	• Eliminate the heat sources
	• The air exhaust hose is detached from the appliance	• Fit the air exhaust hose in the housing at the back of the appliance
	• The technical specification of the appliance is not adequate for the room in which it is located	
During operation, there is an unpleasant smell in the room	• Air filter clogged	• Clean the filter as described above

TROUBLESHOOTING

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: LE / PF / FE	• The appliance has a self diagnosing system to identify unit malfunctions	• See the SELF-DIAGNOSIS section above