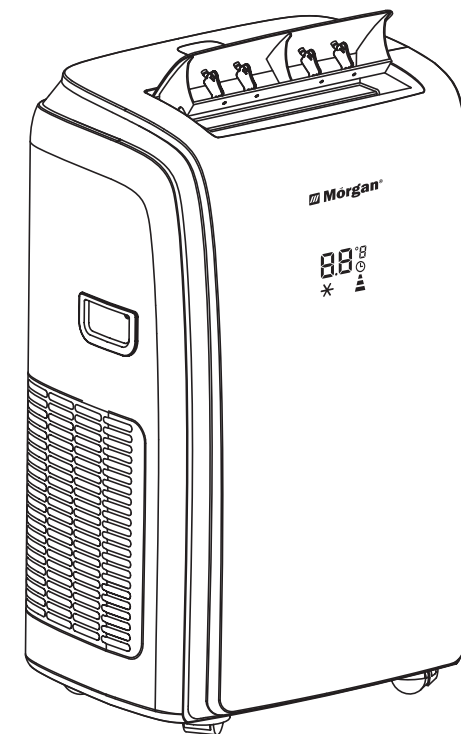


 **Mórgan®**

USER MANUAL



 **Mórgan®**



E-mail: electrical.appliance@dksh.com
www.morgan.my

 facebook.com/morganappliances

Portable Air Conditioner

MAC-092 SIERRAIRE
MAC-12 SIERRAIRE

C O N T E N T S

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Thank you for purchasing a quality MORGAN appliance. We trust that you will have a pleasant experience with your new product. To guarantee safety and best efficiency, please read this manual carefully and keep a copy for future reference.

IMPORTANT SAFEGUARDS

- Use this appliance only as described in this instruction manual. As with all electrical equipment, whilst instructions aim to cover as many eventualities as possible, caution and common sense should be applied when operating and installing this appliance.
- This appliance is designed for home air conditioning and must not be used for other purpose.
- It is dangerous to modify or alter the characteristic of the appliance in any way,
- The appliance must be installed in conformity with national legislation regulating electrical equipment and installations.
- If the appliance requires repair, contact an authorized Service Center appointed by the manufacturer only. Repairs carried out by unauthorized personnel may be dangerous.
- This appliance must be used exclusively by adults only.
- The appliance must be connected to an efficient earth system and the electrical circuit checked by a qualified electrician.
- Do not use extension cables to connect the appliance to a power supply.
- Before cleaning or maintenance, always unplug the appliance from the power supply.
- Never unplug the appliance by pulling on the power cable.
- Do not install the appliance in room containing gas, oil or sulphur. Do not install near sources of heat.
- Keep the appliance at least 50cm away from flammable substances (alcohol etc.) or pressurized containers (e.g. aerosol cans).
- Do not place heavy or hot objects on top of the appliance.
- Clean the air filter at least once a week to ensure efficient performance.
- Avoid using other heating appliances when operating the appliance.
- Always transport the appliance upright or resting on one side. Before moving the appliance, empty the internal circuit completely of water. After moving the appliance, wait at least 1 hour before starting it.
- When pulling the appliance away, do not cover with plastic bags.
- The materials used for packaging can be recycled. You are therefore recommended to dispose of them in special differentiated waste collection containers.
- At the end of its working life, consign the appliance to a specialist collection center.
- If the power cable is damaged, it must be replaced by the manufacturer or an authorized technical service center to avoid risks.
- This appliance is not intended for use by person (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. Children should be supervised to ensure that they do not play with the appliance.

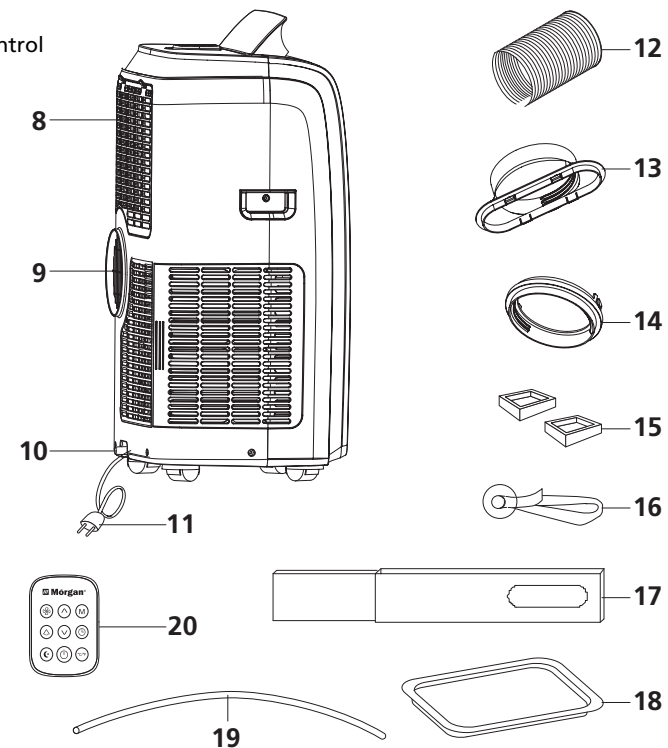
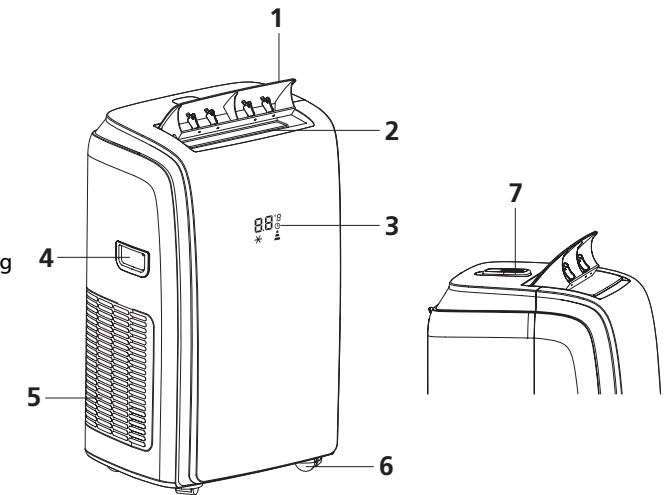
ELECTRICAL CONNECTION

Before plugging in the appliance into the power supply, ensure that:

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

PARTS IDENTIFICATION

1. Wind Louver
2. Air Outlet Grille
3. Display Screen
4. Handle
5. Intake Grille
6. Castors
7. Control Panel
8. Intake Grille
9. Air Exhaust Hose Housing
10. Condenser Drain
11. Power Cable
12. Air Exhaust Hose
13. Outlet Hose
14. Inlet Hose
15. Castor Locks
16. Suckers
17. Window Slider
18. Drain Pan
19. Drain Hose
20. Remote Control



PREPARING FOR USE

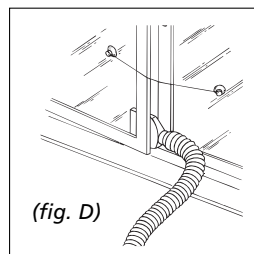
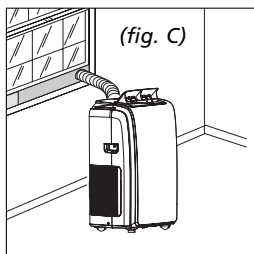
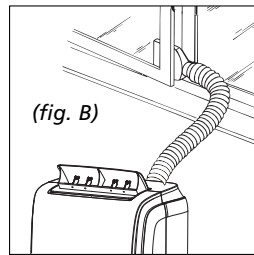
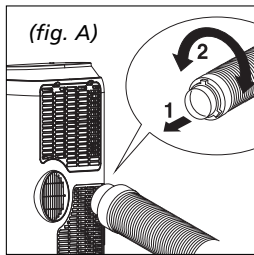
The instruction below will enable you to prepare your appliance for operation as efficiently as possible.

Before use, ensure that the air intake and outlet grilles are unobstructed.

AIR-CONDITIONING WITHOUT INSTALLATION

Just a few simple steps and your comfort is ensured with your appliance:

- Fit the air exhaust hose to the housing at the back of the appliance (*fig. A*).
- Fit the window outlet to the end of the hose.
- Place the appliance near a window or French window. Adjust the length of the hose to reach the window.
- Ensure that the air exhaust hose is unobstructed.
- Open the window or French window slightly and position the outlet hose (*fig. B*).
- If you have a sash window, place the bracket on the window sill, extend the bracket fully within the window frame fix the bracket by using the pin, then lower the window onto the bracket. Insert the window outlet of the exhaust hose into the Slot, then connect the hose to the appliance (*fig. C*).
- If you have double window, use the sucker provided to hold the two parts of the window together (*fig. D*).



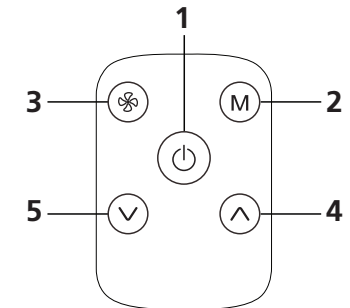
Keep the air hose as short and free and free of curve as possible to avoid bottlenecks.

OPERATING INSTRUCTIONS

CONTROL PANEL

The control panel is located at the top of the appliance. This enables you to activate specific functions without using the remote controller.

1. ON/OFF button
2. MODE button
3. FAN button
4. INCREASE button
5. DECREASE button



TURNING THE APPLIANCE ON

Plug into the power supply, and the appliance will be on standby.

Press the () button to turn the appliance on. The last used function before it was turned off will appear.

Never turn the appliance off by unplugging from the power supply. Always press 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 cooling and dehumidifying the room.

To set this mode correctly:

- Press the (M) button several times until the () symbol appears.
- Select the target temperature from 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.



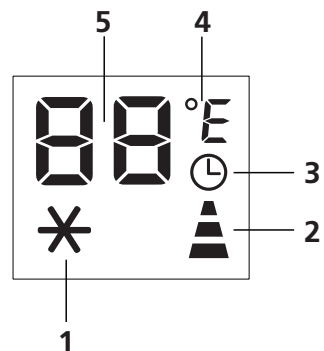
THREE SPEEDS ARE AVAILABLE:

- () **Maximum Speed:** to achieve the target temperature as rapidly as possible
- () **Medium Speed:** reduces noise levels but still maintains a good level of comfort
- () **Low Speed:** for silent operation

- The most suitable temperature for the room during the hot day varies from 24°C to 27°C
- The fan speed difference is more noticeable when the appliance is under fan mode but may not be noticeable under cooling mode.

DESCRIPTION OF THE DISPLAY SCREEN

1. COOL symbol
2. FAN Speed Indicator
3. TIMER symbol
4. Temperature symbol
5. Temperature indicator






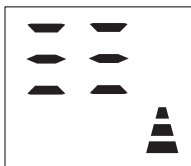
OPERATING INSTRUCTIONS

() 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 several times until the () symbol appears.
- Select the required fan speed by pressing the () button.



THREE SPEEDS ARE AVAILABLE:




- () **Maximum Speed:** for maximum fan speed
- () **Medium speed:** reduces noise levels but still maintains a good level of comfort
- () **Low Speed:** for silent operation

() DRY MODE

Ideal for reducing room humidity.




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 several times until the () symbol appears.
- Select the required fan speed by pressing the () button.



Three speeds are available:

- () **Maximum Speed:** to achieve the best dehumidifying effect.
- () **Medium speed:** reduces noise levels but still maintains a better dehumidifying effect.
- () **Low Speed:** for silent operation but with slower dehumidifying effect.

(°C/°F) SWITCHING THE UNIT OF TEMPERATURE

When the appliance is standby, press button 20 seconds to change the unit of temperature.

FOR EXAMPLE: Before change, in cool mode, the screen will display like (fig. 1).

After changing, in cool mode, the screen display like (fig. 2).



(fig. 1)



(fig. 2)

SELF- DIAGNOSIS

The appliance has self-diagnosis system to identify several malfunctions. Error messages will be displayed on the appliance control panel screen.

PF

PROBE FAILURE (sensor damaged)

If this is displayed, contact your local authorized service center.

Ft










FULL TANK (safety tank full)

Empty the internal safety tank.

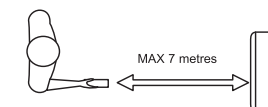
REMOTE CONTROL OPERATING INSTRUCTIONS

REMOTE CONTROL SYMBOLS



- () Fan button
- () Swing button
- () Sleep Button
- () Increase Button
- () Decrease button
- () ON/OFF button
- () Mode button
- () Timer button
- () Temperature Unit Switch button

- Point the remote control at the receiver on the appliance. The remote control must not be more than 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 or expose it to direct sunlight or sources of heat. If the remote control does not work, detach the batteries, and insert them it back.




INSERTING OR REPLACING THE BATTERIES


- Remove the cover on the rear of the remote control.
- Insert CR2025 3V batteries in the correct position (see instructions inside the battery compartment).
- Replace the cover.

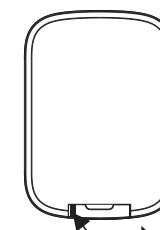
If the remote-control unit is replaced or disposed of, the batteries must be removed and discarded in accordance with current legislation as they are harmful to the environment.

TURNING THE APPLIANCE ON

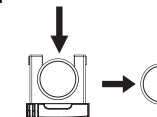
Plug into the power supply and the appliance will be in standby mode.

Press the () button to turn on the appliance. The last used function before it was turned off will appear.

NOTE: Never turn the appliance off by unplugging from the power supply. 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



Push the hook to right side, and pull out the cover.



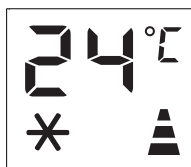
REMOTE CONTROL OPERATING INSTRUCTIONS

(✖) COOL MODE

Ideal for cooling and dehumidifying the room.

To set this mode correctly:

- Press the (M) button several times until the (✖) symbol appears.
- Select the target temperature from 18°C - 32°C (64°F - 90°F) by pressing the (^) or (v) button until the corresponding value is displayed.
- Select the required fan speed by pressing the button.



THREE SPEEDS ARE AVAILABLE:

- (▲) **Maximum Speed:** to achieve the target temperature as rapidly as possible
- (▬) **Medium Speed:** reduces noise levels but still maintains a good level of comfort
- (▲) **Low Speed:** for silent operation

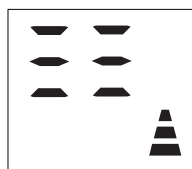
- The most suitable temperature for the room during the hot day varies from 24°C to 27°C
- The fan speed difference is more noticeable when the appliance is under fan mode but may not be noticeable under cooling mode.

(✪) 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 (M) button several times until the (≡) symbol appears.
- Select the required fan speed by pressing the (✪) button.



THREE SPEEDS ARE AVAILABLE:

- (≡) **Maximum Speed:** for maximum fan speed
- (≡) **Medium speed:** reduces noise levels but still maintains a good level of comfort
- (≡) **Low Speed:** for silent operation

(💧) DRY MODE

Ideal for reducing room humidity.

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 (M) button several times until the (dh) symbol appears.
- Select the required fan speed by pressing the (✪) button.

Three speeds are available:

- (▲) **Maximum Speed:** to achieve the best dehumidifying effect.
- (▬) **Medium speed:** reduces noise levels but still maintains a better dehumidifying effect.
- (▲) **Low Speed:** for silent operation but with slower dehumidifying effect.

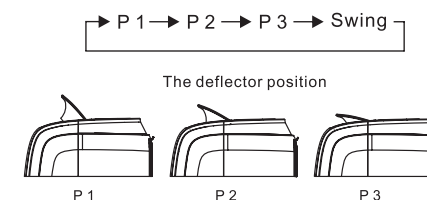


REMOTE CONTROL OPERATING INSTRUCTIONS

(△) SWING FUNCTION

This function is useful to select the up/down swing of air delivery. To set this function correctly:

- Select the operating mode (cool, dry or fan) as described above.
- Press (△) button several times, the deflector will stop different positions or swing continuously.



(☾) 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 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.

The SLEEP function maintains the room at optimum temperature without excessive fluctuation in either temperature or humidity with silent operation.

Fan speed is always at minimum; while room temperature humidity will vary gradually to ensure the most comfortable temperature.

For added comfort When SLEEP function is active, the set temperature will increase by 1°C after 1 hour, increase another 1°C after 2 hours, and consecutively.

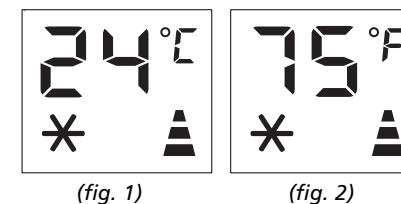
(°C/°F) SWITCHING THE UNIT TEMPERATURE

In COOL mode, press the °C/°F button to select and switch the unit temperature.

For example:

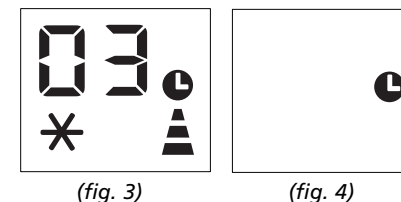
Before switching, in COOL mode, the screen display (fig. 1).

After switching, in COOL mode, the screen display (fig. 2).








(⌚) PROGRAMMING AUTO START UP

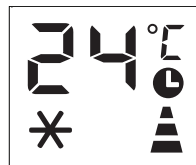
- Turn on the appliance, choose the mode you want, for example: COOL, 24°C, High Fan speed. Turn off the appliance.
- Press the (⌚) button, the screen will display 1~24 hours, and the (✖) symbol and (▲) symbol and (⌚) symbol will flash simultaneously (fig. 3).
- Press several times until the corresponding time is displayed. Wait for 5 seconds and the timer will activate, then only the (⌚) symbol is displayed on screen (fig. 4).
- Press again the (⌚) button or the (⏻) button, the timer will be canceled, and the (⌚) symbol will disappear from the screen.



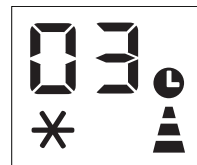
REMOTE CONTROL OPERATING INSTRUCTIONS

() PROGRAMMING AUTO OFF

- Press the () button, the screen will display 1–24 hours, and several symbols will flash simultaneously (*fig. 5*).
- Press several times until the corresponding time is displayed. Wait about 5 seconds, the timer will activate, then only the () symbol is displayed on the screen (*fig. 6*).
- Press again the () button or the () button, the timer will be canceled, and the () symbol will disappear from the screen (*fig. 7*).



(fig. 5)



(fig. 6)

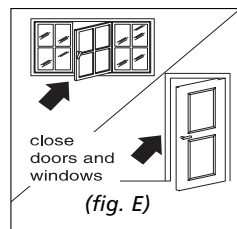


(fig. 7)

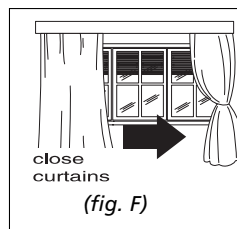
TIPS FOR PROPER USE

To get the best from your appliance, follow these recommendations:

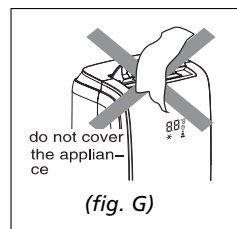
- Close all the windows & doors in the room when using the appliance (*fig. E*). When installing the appliance semi-permanently, you should leave a door slightly open (as little as 1 cm) to ensure optimum ventilation.
- Prevent the room from direct sun exposure by partially closing curtains and/or blinds (*fig. F*).
- Never place any objects on the appliance.
- Do not obstruct the air intake and outlet (*fig. G*). Leave the grille free from obstruction.
- Ensure that there are no heat sources inside the room.
- Never use the appliance in a very damp room (laundry room for example).
- Never use the appliance outdoors.
- Place the appliance on a level surface. If necessary, place the castor locks under the front wheels.



(fig. E)



(fig. F)



(fig. G)

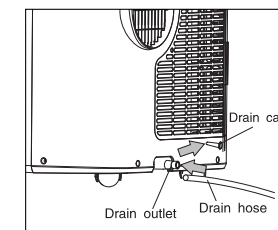
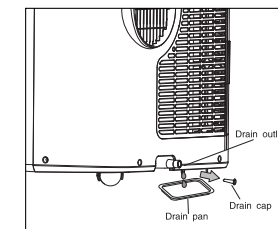
WATER DRAINAGE METHOD

This appliance is equipped with the latest MIST technology to prevent the water tank from overflowing.

Note: As a safety measure and to prevent water spillage, the appliance is equipped with a fail-safe device. If the water tank overflows, the appliance will stop operating and the control panel will display “Ft” (FULL TANK as mentioned in SELF-DIAGNOSIS), the compressor and fan will not start until the tank has been drained.

INTERMITTENT DRAINAGE

- Turn the appliance off, then drain the water tank by unplugging the drain cap and allowing the water to flow into the drain pan. The drain pan will not hold the full contents of water tank. It is advisable to empty the drain pan several times. It is also advisable to wheel the appliance outside, remove the drain cap to drain the water.
- To ensure that the water tank is completely free of water, tilt the appliance by lifting it slightly upwards from the front until no more water drains from the outlet.
- Restart the appliance by pressing the ON/OFF button. Ensure the appliance operates in COOL or DRY mode. The compressor will start approximately 3 minutes after the appliance is switched on.



CLEANING

Before cleaning or maintenance, turn off the appliance, wait for a few minutes before unplugging from the power supply.

CLEANING THE CABINET

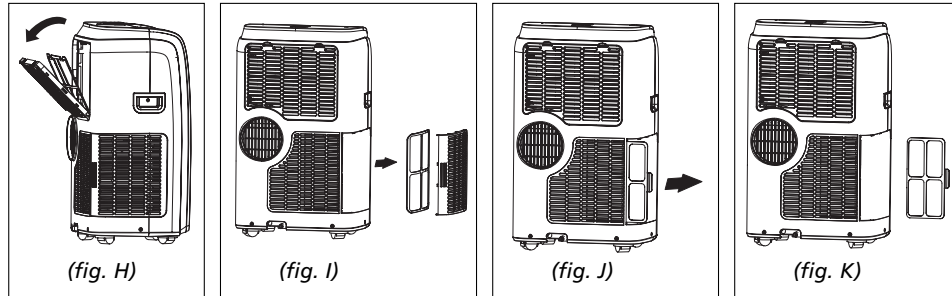
Clean the appliance only using a slightly damp cloth followed with a dry cloth.

- Never wash or immerse the appliance with water to prevent damaging it and to prevent an electrical hazard.
- Never use petrol, alcohol or solvents to clean the appliance.
- Never spray insecticide or other similar liquids onto the appliance.

CLEANING THE AIR FILTER

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

- The evaporator filter can be removed (fig. H).
- There are two pieces of condenser filters (fig. I, fig. J & fig. K).



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 not be hotter than 40°C. After washing, leave the filter to dry then attach them back to the intake grille of the appliance.

TROUBLESHOOTING

PROBLEM	CAUSE	SOLUTION
The appliance does not work	There is no power supply	Wait for a few minutes
	It is not plugged into the power supply	Plug into the power supply
	The internal safety device has tripped	Wait for 30 minutes, if problem persists, contact your service center
The appliance works for a short time only	There may be obstructions in the exhaust hose	Position the air exhaust hose correctly, keeping it as short and free of curves as possible to avoid bottlenecks
	Something is preventing the air from being discharged	Check and remove any objects obstructing the 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)	Remove 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
There is an unpleasant odour in the room during operation	Air filter is clogged	Clean the air filter
The appliance does not operate for about three minutes after restarting it	The internal compressor safety device prevents the appliance from restarting until three minutes have elapsed after turning off	Wait. This delay is part of normal operation
The following message appears on the display: PF/Ft	The appliance has SELF-DIAGNOSIS system to identify several malfunctions	See the SELF-DIAGNOSIS chapter