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CN Series

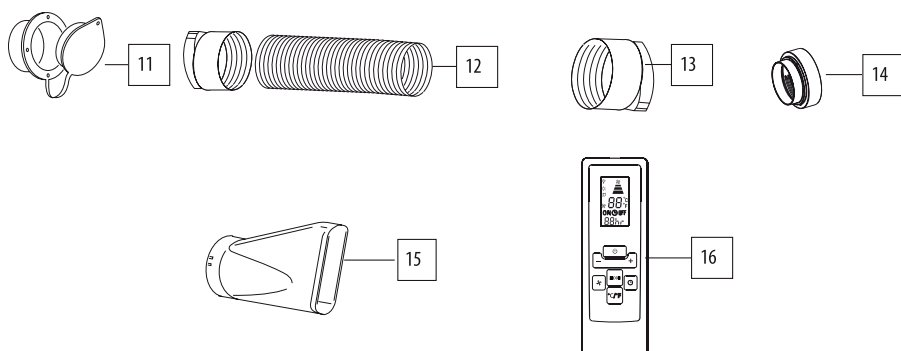
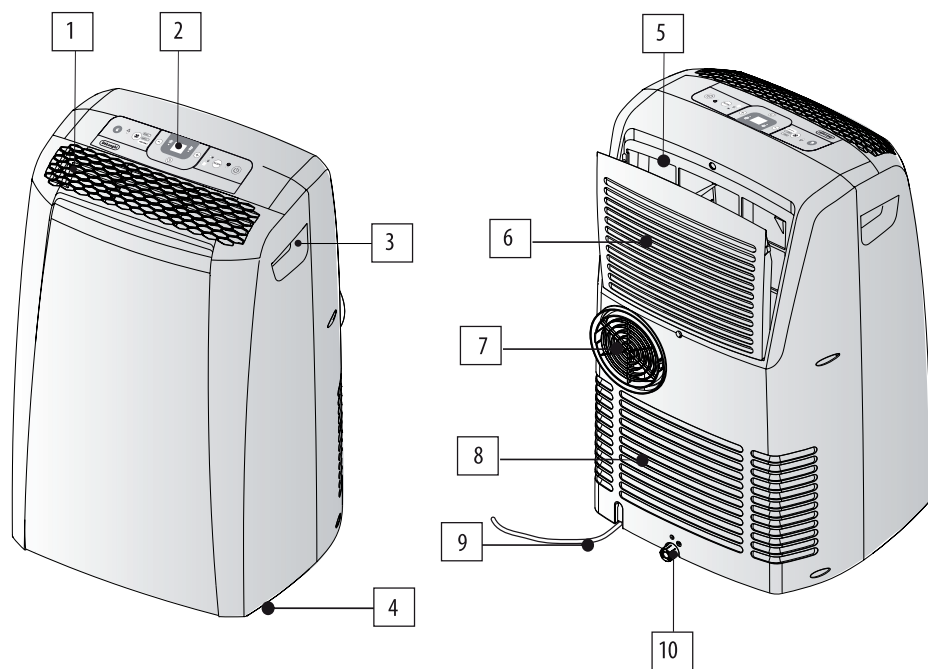
AIR CONDITIONER





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INTRODUCTION

Thank you for choosing a De'Longhi product. Please take a few minutes to read these instructions. This will avoid all risks and damage to the appliance.

Symbols used in these instructions

Important warnings are identified by these symbols.

It is vital to respect these warnings. Failure to observe the instructions could result in electric shock, serious injury, burns, fire or damage to the appliance.



Danger!

Failure to observe the warning may result in life threatening injury by electric shock.



Important!

Failure to observe the warning could result in injury or damage to the appliance.



Please note:

This symbol identifies important advice or information for the user.

Troubleshooting and repairs

If the appliance requires repair, always contact the manufacturer's Customer Services. Always insist on original spare parts. Repairs carried out by unauthorised personnel may be dangerous and invalidate the guarantee.

Designated use

This is a household appliance only. Use only as described in these instructions.

IMPORTANT SAFEGUARDS

Fundamental safety warnings

Use this local air conditioner only as described in this instruction manual. As with all electrical equipment, whilst the 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 purposes.



Danger! This is an electrical appliance, it is therefore important to respect the following safety warnings:

- It is dangerous to modify or alter the characteristics 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 a Service Centre authorised by the manufacturer only. Repairs carried out by unauthorised personnel may be dangerous.
- The appliance must be connected to an efficient earth system. Have your electrical circuit checked by a qualified electrician.
- Do not use extension cables.
- Before cleaning or maintenance, always unplug the appliance from the mains socket.
- Never unplug the appliance by pulling on the power cable.
- Do not install the appliance in rooms containing gas, oil or sulphur. Do not install near sources of heat.
- Keep the appliance at least 50 cm away from flammable substances (alcohol etc) or pressurised containers (eg. aerosol cans).
- Do not rest heavy or hot objects on top of the appliance.
- Avoid using heating appliances near the air conditioner.
- If the power cable is damaged, it must be replaced by the manufacturer or an authorised technical service centre in order to avoid all risk.



Important! This appliance must be used exclusively by adults.



Important! This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.



Please note: Clean the air filter at least once a week.

i Please note: 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.

i Please note: When putting the appliance away, do not cover with plastic bags.

i Please note: The materials used for packaging can be recycled. You are therefore recommended to dispose of them in special differentiated waste collection containers.

i Please note: At the end of its working life, consign the appliance to a specialist collection centre.

Specific warnings for appliances with R410A refrigerant gas

R410A refrigerant gas conforms to EC regulations on the environment. Avoid perforating the refrigerant circuit of the appliance.

ENVIRONMENTAL INFORMATION: This unit contains fluorinated greenhouse gases covered by the Kyoto Protocol. Maintenance and disposal must be carried out by qualified personnel only (R410A, GWP=1975).

i Please note: Verify the type of refrigerant gas used in your appliance on the rating plate.

Specific warnings for appliances with R290 refrigerant gas

- Read the warnings carefully.
- When defrosting or cleaning, use only the implements recommended by the manufacturer.
- The appliance must be placed in a room without continuously operating sources of ignition (for example: open flames, an operating gas appliance or an operating electric heater).
- Do not pierce or burn.
- Refrigerant gas may be odourless.
- The appliance must be installed, used and stored in a room with a surface area greater than 15 m².
- This appliance contains about 300 g of R290 refrigerant gas.
- R290 refrigerant gas complies with European environmental directives.

Do not perforate any of the components in the refrigerant circuit.

- If the appliance is installed, used or stored in an unventilated room, the room must be such as to prevent stagnation of possible leaks of refrigerant gas as there could be a danger of fire or explosion hazard should the refrigerant come into contact with electric heaters, stoves or other sources of ignition.
- The appliance must be stored in such a way as to prevent mechanical faults.
- Persons working on a refrigerant circuit must have the relative authorisation issued by an accredited body certifying their competence to handle refrigerants in compliance with a standard assessment recognised by sector associations.
- All repairs must be carried out in accordance with the manufacturer's recommendations. Maintenance and repairs requiring the assistance of other qualified personnel must be carried out under the supervision of specialists in the use of inflammable refrigerants.

GUARANTEE AND TECHNICAL ASSISTANCE

The conditions of the guarantee and technical assistance are given on the certificate supplied with your appliance.

TECHNICAL SPECIFICATION

Power supply voltage	see rating plate
Max. absorbed power	
during air conditioning	"
Refrigerant	"
Cooling capacity	"

Limit conditions:

Room temperature for air conditioning 21 ÷ 35°C

DISPOSING OF THE APPLIANCE



In compliance with European directive 2002/96/EC, the appliance must not be disposed of with household waste, but taken to an authorised waste separation and recycling centre.

i Please note: Transport, filling, cleaning, recovery and disposal of refrigerant should be performed by a technical service centre appointed by the manufacturer only. The appliance should be disposed of by a specialist centre appointed by the manufacturer only.

DESCRIPTION

- 1 air outlet grille
- 2 control panel
- 3 handles
- 4 castors
- 5 filter
- 6 evaporator air intake grille
- 7 air exhaust hose housing
- 8 condenser air intake grille
- 9 power cable
- 10 drain hose with 2 caps
- 11 flange with cap
- 12 air exhaust hose
- 13 hose adapter (2 pieces)
- 14 wall mounting accessory
- 15 window outlet
- 16 remote control unit (some models only)

USE

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 mains 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.



Danger! The power cable must be replaced by a qualified professional only.



Important! Before use, make sure the air intake and outlet grilles are unobstructed.

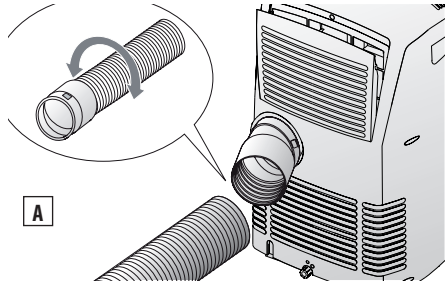
The instructions below will enable you to prepare your air conditioner for operation as efficiently as possible.

Air-conditioning without installation

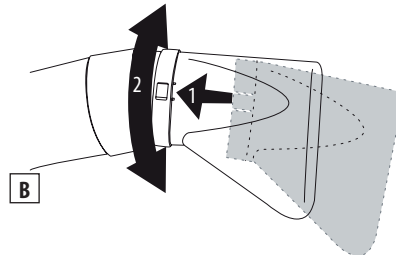
Just a few simple steps and your comfort is ensured with your air conditioner:

- Screw one of the hose adapters **13** to one end of the air exhaust hose **12**.

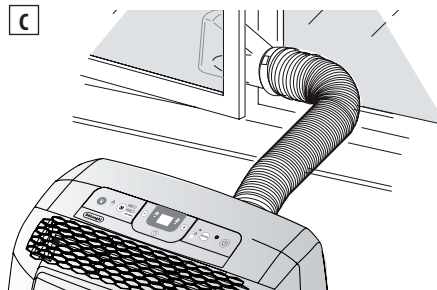
- Fit the other adapter **13** to the air exhaust hose housing **7** at the back of the appliance (see fig. A).
- Screw the end of the hose without adapter to the adapter previously mounted on the appliance (see fig. A).



- Fit the window outlet **15** to the air exhaust hose **12** as shown in fig. B.



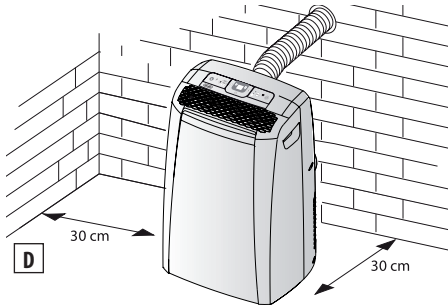
- Place the air conditioner near a window or French window.
- Make sure the air exhaust hose is unobstructed.
- Open the window or French window slightly and position the outlet **15** as shown in figure C.



Important! Keep the air hoses as short and free of curves as possible to avoid constrictions.

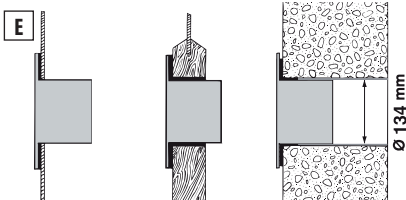
Air-conditioning with installation

If required, your appliance can also be installed semi-permanently (Fig. D).



Proceed as follows:

- Drill a hole (ø134mm) in an outside wall or through a window pane. Respect the height and dimensions of the hole given in figure E.



in the window pane

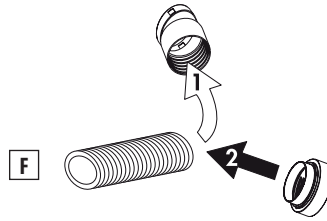
in the wooden kickboard of a French window

in the wall: you are recommended to insulate the section of wall using suitable insulation.

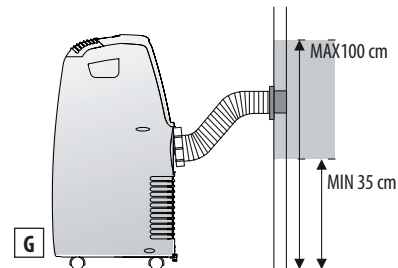


Important! Keep the air hoses as short and free of curves as possible to avoid constrictions.

- Fit the wall flange accessory **11** provided in the hole.
- Fit the air exhaust hose **13** in the relevant hose **7** located on the rear side of the appliance (see fig. A).
- Screw the wall mounting accessory **14** from the air exhaust hose **12** or, if necessary, unscrew the hose adapter **13** from the air exhaust hose **12** and replace it with the wall installation terminal **14** (fig. F).



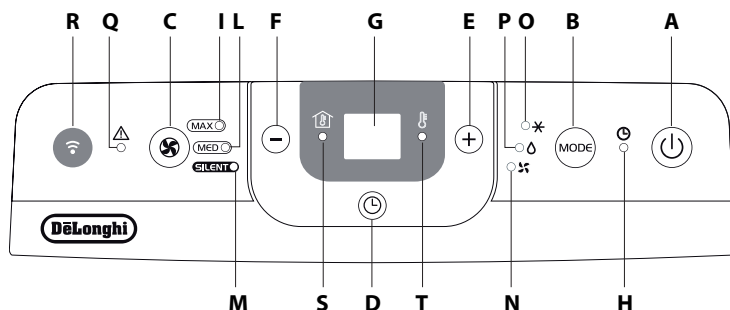
- Insert the other end of the hose **12** on the flange **11** as shown in fig. G.



- When the hose **12** is not fitted, the hole can be closed with the flange cap **11**.



Please note: When installing the air conditioner semi-permanently, you should leave a door slightly open (as little as 1 cm) to guarantee correct ventilation.



Description of the control panel

- A** ON/OFF button
- B** MODE selection button
Air conditioning, dehumidifying, fan.
- C** Fan speed selection button
(MAX/MED/SILENT)
- D** Timer button
- E** Programmed operation increase temperature/time button
- F** Programmed operation decrease temperature/time button
- G** Display: Displays the temperature values set, room temperature and the programmed operating time
- H** Timer in operation indicator light
- I/L/M** Fan speed lights
- N** Fan mode light
- O** Air-conditioning mode light
- P** Dehumidifying mode light
- Q** Alarm light
- R** Remote control signal receiver
- S** Light: displays room temperature
- T** Light: displays set temperature

Important! 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.

OPERATION

Turning the appliance on

Please note: Before plugging the appliance check: the caps on the back of the unit are correctly inserted and screwed on the drainage hose 10.

Plug the appliance into the mains. Press the **ON/OFF** button (**A**) (when turned on, the air conditioner starts operating in the same mode as when it was turned off). The display shows the room temperature. Press the **MODE** button (**B**) until the indicator light corresponding to the required mode lights up:

- Light (**O**): air-conditioning mode
- Light (**N**): fan mode
- Light (**P**): dehumidifying mode

Air-conditioning mode

Ideal for hot humid weather when you need to cool and dehumidify the room. By default, the room temperature is displayed. Light (**S**) is on. To set the required temperature, press the + (**E**) or - (**F**) buttons until the required temperature is displayed (to switch between °F and °C, press the **E** and **F** buttons together for a few seconds). Light (**T**) comes on and light (**S**) goes off. Fifteen seconds after setting the temperature, the display switches back to room temperature. Light (**S**) comes on again. You can adjust temperature in air conditioning mode only. Then select the fan speed by pressing the **FAN** button (**C**) until the indicator light corresponding to the required fan speed lights up:

- MAX:** the air conditioner operates at maximum to reach the required temperature as rapidly as possible.
- MED:** reduces noise levels but still maintains a good level of comfort
- SILENT:** for silent operation

i Please note: The most suitable temperature for the room during the summer varies from 24 to 27°C. You are recommended, however, not to set a temperature much below the outdoor temperature.

Fan mode

Adjust fan speed by pressing the **FAN** button (C) as described for the air-conditioning mode. Remember that the higher the speed, the more air is filtered. If you select "SILENT" speed, less air is filtered but the appliance is also less noisy.

Dehumidifying mode

Ideal for reducing the humidity in a room (spring or autumn, damp rooms, rainy spells, etc). When the dehumidifying mode is selected, the light (P) comes on. At the same time, the "SILENT" fan speed light (M) comes on. In this mode, other speeds cannot be selected.

i Please note: remember to fit the air exhaust hose as described in the chapter "Preparing for use".

Programming the timer

The timer can be used to delay appliance start up or shut down. This avoids wasting electricity by optimising operating periods.

How to programme delayed start up

- Plug the appliance into a mains socket and press the ON/OFF button (A), then select the required operating mode and other settings (temperature, fan speed, etc).
- Press the ON/OFF button (A) again to place the appliance in standby mode.
- Press the timer button (D). The timer light "H" flashes.
- Use the + (E) or - (F) buttons to set the number of hours delay before the appliance comes on.
- The time increases or decreases in steps of one hour.

The indicator light (H) flashes until the appliance starts up. You can set the appliance to come on with a delay of up to 24 hours. To cancel the timer programme, press the timer button (D) again. Light (H) stops flashing.

How to programme delayed shut down

- Delayed shut down can be programmed in any operating mode (air conditioning / fan/ dehumidifying).
- Press the timer button (D). The timer light "H" flashes.
- Use the + (E) or - (F) buttons to set the number of hours

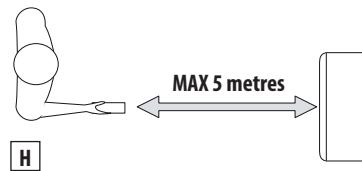
delay before the appliance goes off.

The time increases or decreases in steps of one hour. The light (H) flashes until the appliance turns off as programmed. At the set time, the air conditioner shuts down and remains in standby. To cancel the timer programme, press the timer button (D) again. Light (H) stops flashing.

USING THE REMOTE CONTROL UNIT

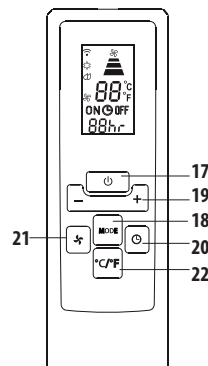
Models with remote control

- Point the remote control at the receiver on the air-conditioner (see fig. H). The remote control must be no more than 5 metres away from the appliance (without obstacles between the remote control and the receiver).
- The remote control should be handled with **extreme care and respect**. Do not drop it, expose it to direct sun light, or leave it near sources of heat.



Description of the remote control

- 17) "ON/OFF" button
- 18) "MODE" button
- 19) Programmed operation/ decrease/increase temperature button
- 20) "TIMER" button
- 21) Fan speed selection button (MAX/MED/SILENT)
- 22) °F/°C switching button



Replacing the batteries

- Remove the cover on the rear of the remote control;
- Replace the old batteries with two new LR03 "AAA" 1.5V batteries, inserting them correctly (see the instructions inside the battery compartment);
- Replace the cover.

i **Please note:** If the remote control unit is replaced or discarded, the batteries must be removed and disposed of in accordance with current legislation as they are harmful to the environment. Do not mix alkaline, standard (zinc-carbon) and rechargeable (nickel-cadmium) batteries. Do not throw the batteries in the fire as they could explode or leak dangerous liquids.

Turning the appliance on

Plug the appliance into the mains. Press the ON/OFF button (17) (when turned on, the air conditioner starts operating in the same mode as when it was turned off).

Press the MODE button (18) to select the required mode:

COOLING

DEHUMIDIFYING

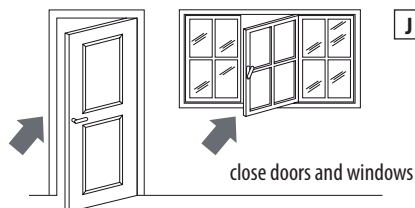
FAN ONLY

On the control panel, the light corresponding to the selected mode comes on. For air conditioning/dehumidifying/fan only settings and programming the timer, see page 17-18.

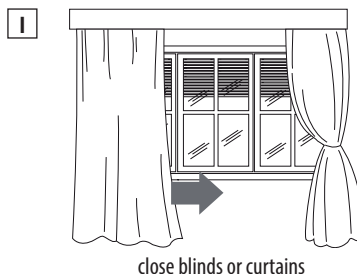
TIPS

To get the best from your air conditioner, follow these recommendations:

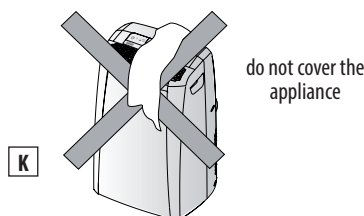
- Close the windows and doors in the room to be air conditioned. The only exception is when the appliance is installed through a hole in the wall. In this case, you are recommended to leave a slight draught through a door or window to guarantee correct ventilation (see Fig. I).



- 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 (see fig. J);



- Never rest objects of any kind on the air conditioner (see fig. K);



- Never obstruct the air intake 6 or outlet 1 grilles;
- 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 air conditioner is on a level floor.

CLEANING

Before cleaning or maintenance, turn the appliance off by pressing the ON/OFF button (A) or in models with remote control unit, by pressing the ON/OFF button (17), then always unplug the appliance from the mains socket.

Cleaning the cabinet

You should clean the appliance with a slightly damp cloth then dry with a dry cloth. For safety reasons, never wash the air conditioner with water.

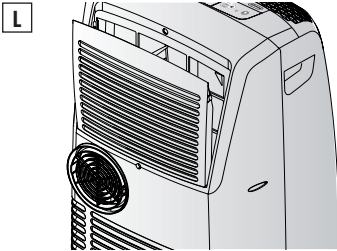
Precautions

Never use petrol, alcohol or solvents to clean the appliance. Never spray insecticide liquids or similar.

Cleaning the air filters

To keep your air conditioner working efficiently, you should clean the dust filter every week of operation. The filter is

housed in the intake grille. To clean the filters, remove the filter as shown in figure L.



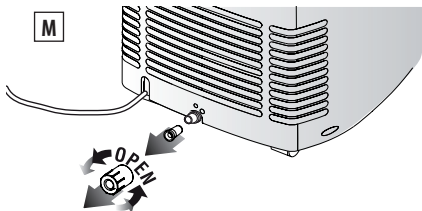
Use a vacuum cleaner to remove the dust collected on the filter. If it is very dirty, immerse in warm water and rinse a number of times. The water should never be hotter than 40°C. After washing, leave the filter to dry. Put the filter back in its housing.

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 drain all water from the circuit, first unscrew in the anticlockwise direction the external cap from the drain hose on the back of the appliance then remove the internal cap (figure M) and allow the water to drain out into a basin. When all the water has been drained, close the hose with the 2 caps. Clean the filter and leave it to dry before putting it back in its housing.



TROUBLESHOOTING

PROBLEM	CAUSE	REMEDY
The air conditioner does not come on	- no electricity - it is not plugged into the mains - the safety device has tripped	- wait - plug into the mains - contact your service centre
The air conditioner works for a short time only	- the air exhaust hose has a constriction - the air exhaust hose is blocked - there are bends in the air exhaust hose	- position the exhaust hose correctly - check there are no obstacles obstructing air discharge - eliminate the bends
The air conditioner works, but does not cool the room	- window open - there are heat sources in the room (burner, lamp, etc) - the exhaust hose is detached - air filter clogged - the air conditioner is not powerful enough for the conditions or size of the room	- close the window - eliminate the heat source - connect the exhaust hose - clean or replace the filter
Particular odour in the room	air purifying filters clogged	clean or replace the filters
The air conditioner does not operate for about 3 minutes after turning it on	the safety device has tripped	wait for three minutes
The alarm light Q comes on	the tank inside the appliance is full.	empty the tank (see "End of season operations) on page 11).

Self-diagnosis

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

IF IS DISPLAYED	IF IS DISPLAYED	IF IS DISPLAYED
 "Low Temperature" MEANS: room temperature is too low	 "High Temperature" MEANS: room temperature is too high	 "Probe Failure" (sensor damaged) MEANS: contact your local customer service