

IMPORTANT SAFEGUARDS

- Use this appliance 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
- 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.
- This appliance must be used exclusively by adults.
- Never allow the appliance to be used by people (including children) with psychological, physical or sensory impairments or with insufficient experience and knowledge, unless closely supervised and instructed by someone responsible for their safety. Young children should be supervised to ensure that they do not play with the appliance.
- 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.
- Clean the air filter at least once a week.
- Avoid using heating appliances near the air conditioner.
- 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 putting 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 centre.
- 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.
- "These models shall be connected only to supply with the relevant system impedance no more than 0.347 ohm. Restrictions to connection may be imposed by the supply authority on the use of equipment if the actual system impedance at the interface point of the user's premise exceeds 0.347 ohm. If necessary please consult your energy supply authority."

SPECIFIC WARNINGS FOR APPLIANCES WITH R290* REFRIGERANT GAS



READ THE MANUAL



CAUTION RISK OF FIRE

- 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.

* Verify the type of refrigerant gas used in your appliance on the rating plate.

Important information for correct disposal of the product

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



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.**

WHAT IS THE PINGUINO

During the summer, you feel comfortable at a temperature of between 24 and 27° C with a relative humidity of about 50%.

An air conditioner removes excess moisture and heat from the room where it is located. Compared with installed models, portable air conditioners have the advantage that they can be moved from one room to another in the home or be transported from one building to another.

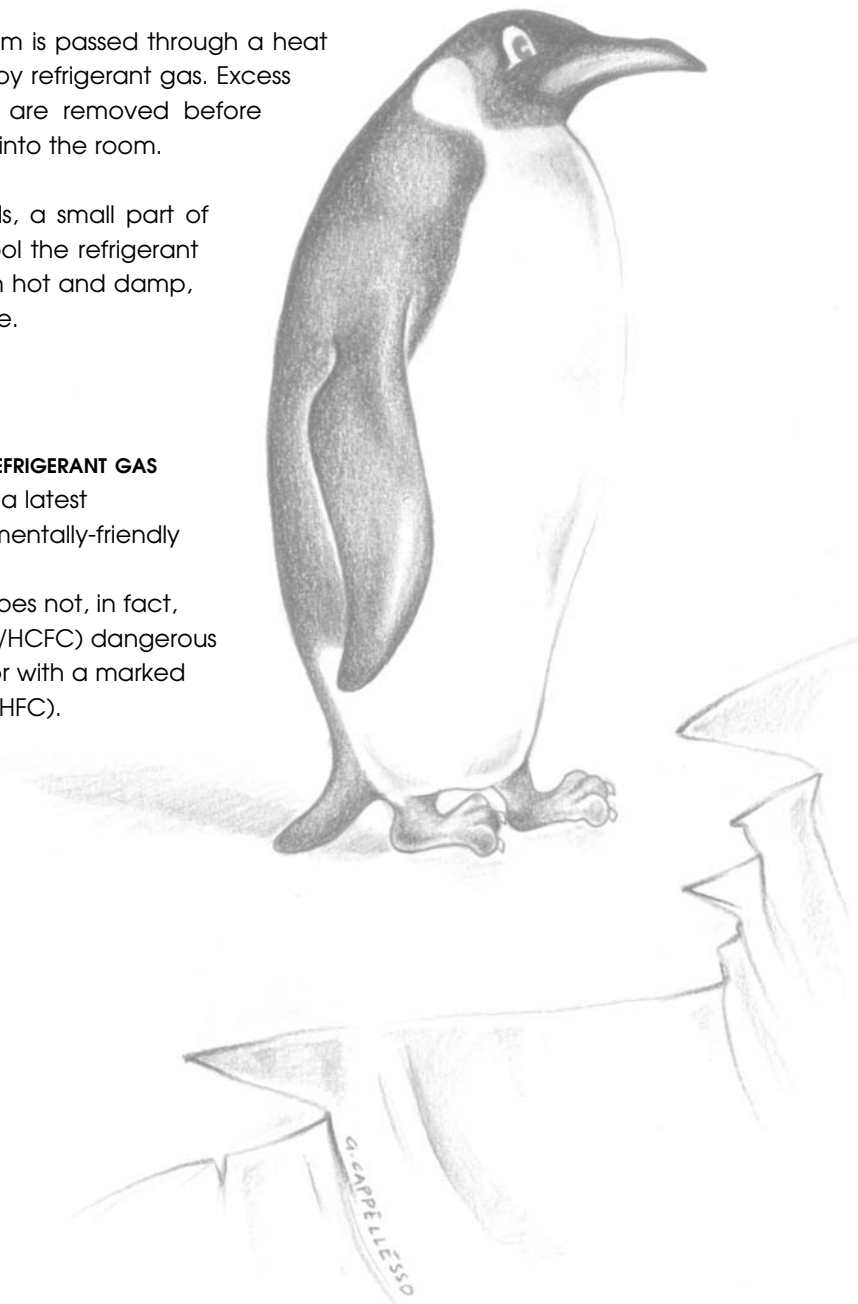
Hot air from the room is passed through a heat exchanger cooled by refrigerant gas. Excess heat and moisture are removed before the air is re-emitted into the room.

In single unit models, a small part of this air is used to cool the refrigerant gas and then, when hot and damp, is discharged outside.

MODELS WITH R290 REFRIGERANT GAS

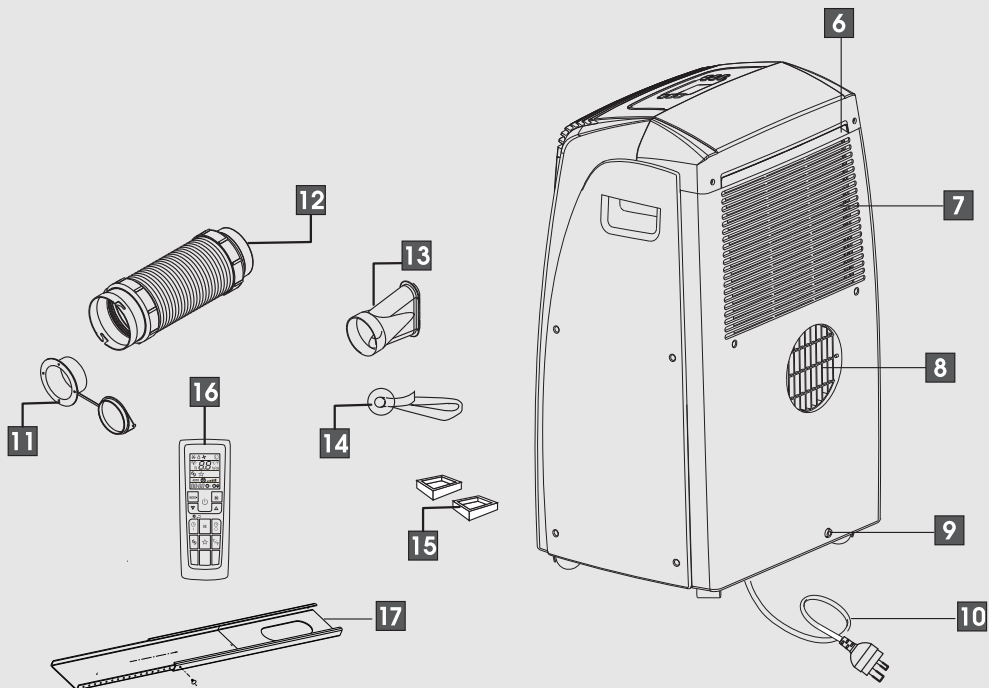
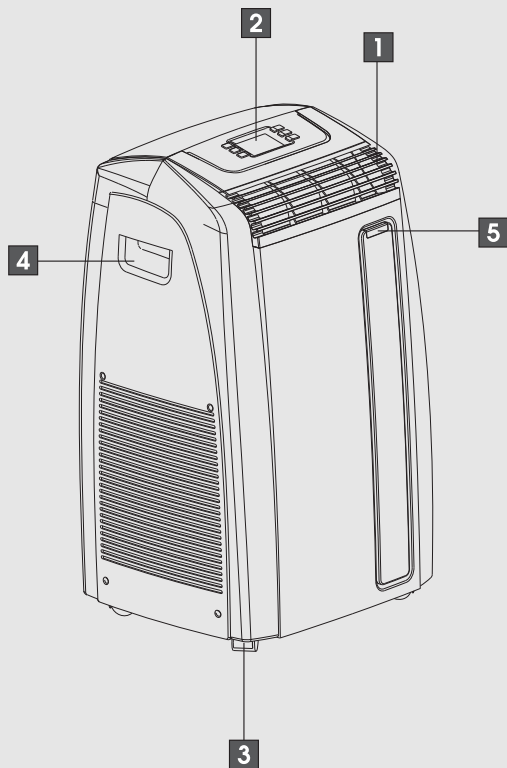
The **Pinguino ECO** is a latest generation environmentally-friendly air conditioner.

The **Pinguino ECO** does not, in fact, contain gases (CFC/HCFC) dangerous to the ozone layer or with a marked greenhouse effect (HFC).



DESCRIPTION

- 1 air outlet grille
- 2 control panel
- 3 castors
- 4 handles
- 5 remote control receiver
- 6 filter
- 7 intake grille
- 8 air exhaust hose housing
- 9 condensate drain
- 10 cavo di alimentazione
- 11 power cable
- 12 air exhaust hose
- 13 window outlet
- 14 suckers
- 15 castor locks
- 16 remote control
- 17 window bracket



PREPARING FOR USE

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

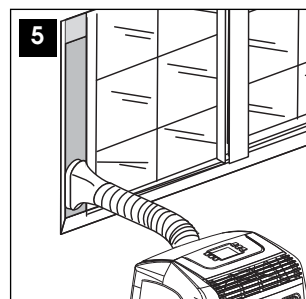
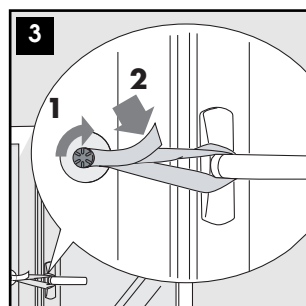
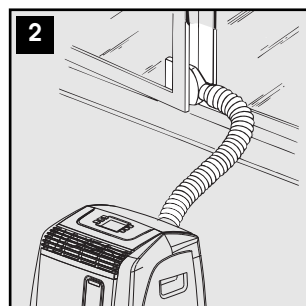
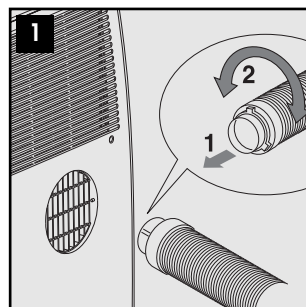
Before use, make sure the air intake and outlet grilles are unobstructed.

AIR-CONDITIONING WITHOUT INSTALLATION

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

- Fit the air exhaust hose in the housing at the back of the appliance (fig. 1).
- Fit the window outlet to the end of the hose.
- Place the air conditioner near a window or French window.
- Adjust the length of the hose to reach the window.
- Make sure the air exhaust hose is unobstructed.
- Open the window or French window slightly and position the outlet (fig. 2).
- If you have a double window, use the sucker provided to hold the two parts of the window together (fig. 3).
- If you have a sash window, place the window 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 air conditioner (fig. 4).
- Thanks to the locking pins, it's possible to use the window bracket also for sliding windows. Position the hole of the bracket so to allow a correct installation of the exhaust hose (see figure 5).

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

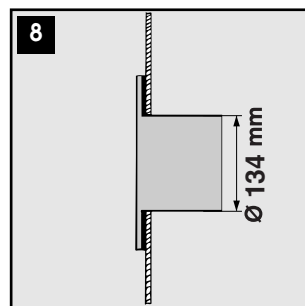
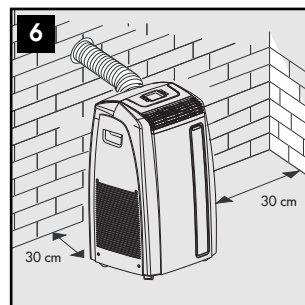
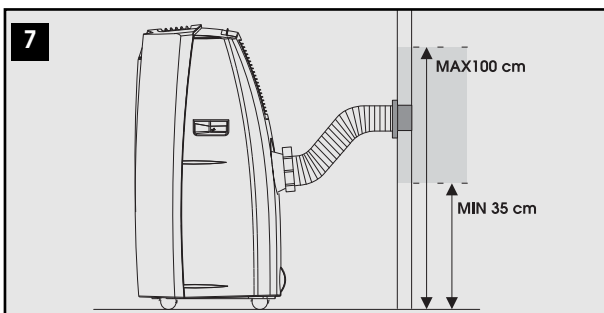


AIR-CONDITIONING WITH INSTALLATION

If required, your appliance can also be installed semi-permanently (Fig. 6).

Proceed as follows:

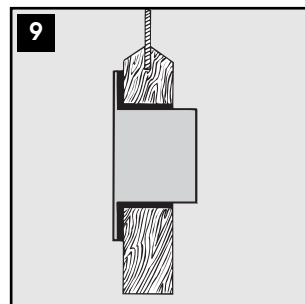
- Drill in an outside wall or in the window pane a 134 mm dia. hole respecting the heights shown in fig. 7.



in the window pane

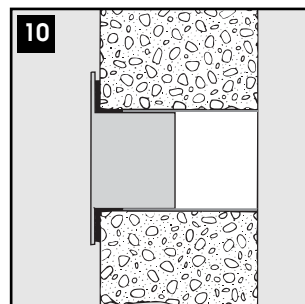
- Fit the flange accessory provided in the hole **following the indications in figs. 8, 9 and 10.**
- Fit the hose in the housing at the back of the appliance (fig. 1).
- Fit the end of the hose to the flange as shown in fig. 7. When the hose is not fitted, the hole can be closed with the flange cap.

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



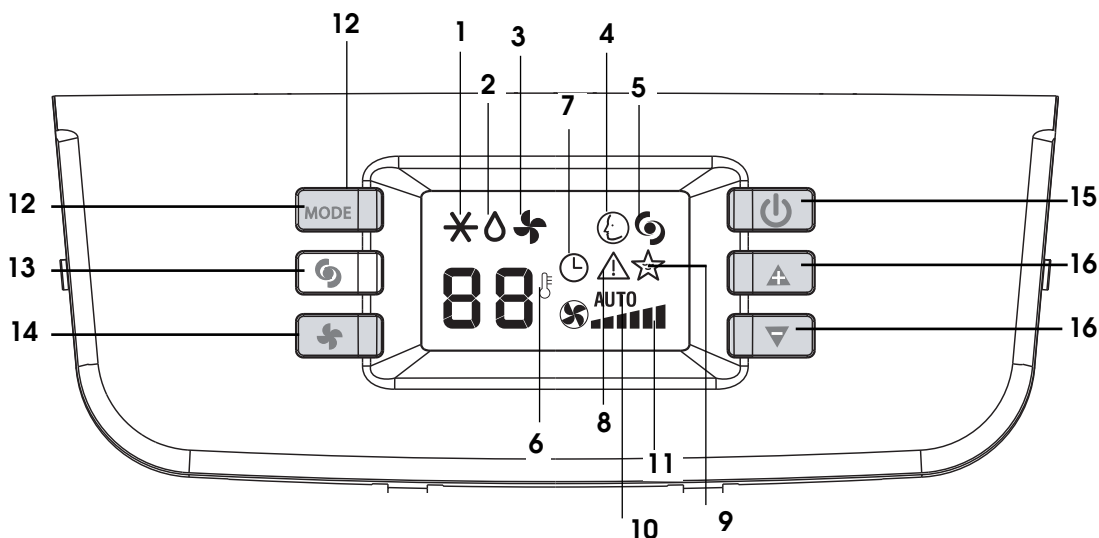
in the wooden kickboard of a French window

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



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

DESCRIPTION OF THE CONTROL PANEL




- | | |
|---------------------------|---|
| 1 Air conditioning symbol | 9 SLEEP symbol |
| 2 Dehumidifying symbol | 10 AUTOFAN indicator |
| 3 Fan symbol | 11 Speed indicator |
| 4 SMART symbol | 12 MODE button (selects the modes) |
| 5 BOOST symbol | 13 Button BOOST |
| 6 Temperature indicator | 14 FAN button |
| 7 Timer symbol | 15 ON/Standby button |
| 8 Alarm symbol | 16 Increase (+) and decrease (-) temperature button |


OPERATING FROM THE CONTROL PANEL

The control panel enables you to manage all the main functions of the appliance, but to fully exploit its potential, you must use the remote control unit.

TURNING THE APPLIANCE ON

- Plug into the mains socket.
Two lines appear on the display indicating that the appliance is in standby.
- Press the  button until the appliance comes on. The last function active when it was turned off will appear.



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



AIR CONDITIONING MODE

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

To set this mode correctly:

- Press the **MODE** button a number of times until the air-conditioning symbol appears.
- Select the target temperature by pressing the \triangle or ∇ button until the corresponding value is displayed.
- Select the required fan speed by pressing the **FAN** button.
Four 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

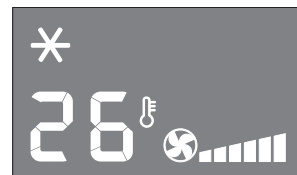


Low speed: for silent operation



AUTOFAN: the appliance automatically selects the most suitable fan speed in relation to the temperature set on the digital display.

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.



DEHUMIDIFYING MODE

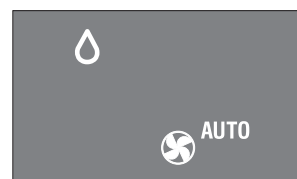
Ideal to reduce room humidity (spring and autumn, damp rooms, rainy periods, etc).

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

To set this mode correctly:

- Press the **MODE** button a number of times until the dehumidifying symbol appears.

In this mode, fan speed is selected automatically by the appliance and cannot be set manually.





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 **MODE** button a number of times until the fan symbol appears.
- Select the required fan speed by pressing the **FAN** button. Three speeds are available:



Maximum speed: for maximum fan power

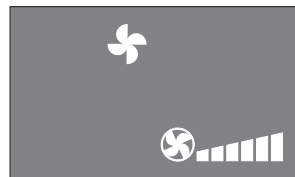


Medium speed: reduces noise levels but still maintains a good level of comfort



Low speed: for silent operation

In this mode, AUTO speed cannot be selected.



SMART MODE

The appliance chooses automatically whether to operate in air conditioning, fan or heating (certain models only) mode.

Fan speed is also set automatically according to the conditions.

To set this mode:

- Press the **MODE** button a number of times until the SMART symbol appears.



Boost FUNCTION

Ideal for the summer to cool rooms rapidly.

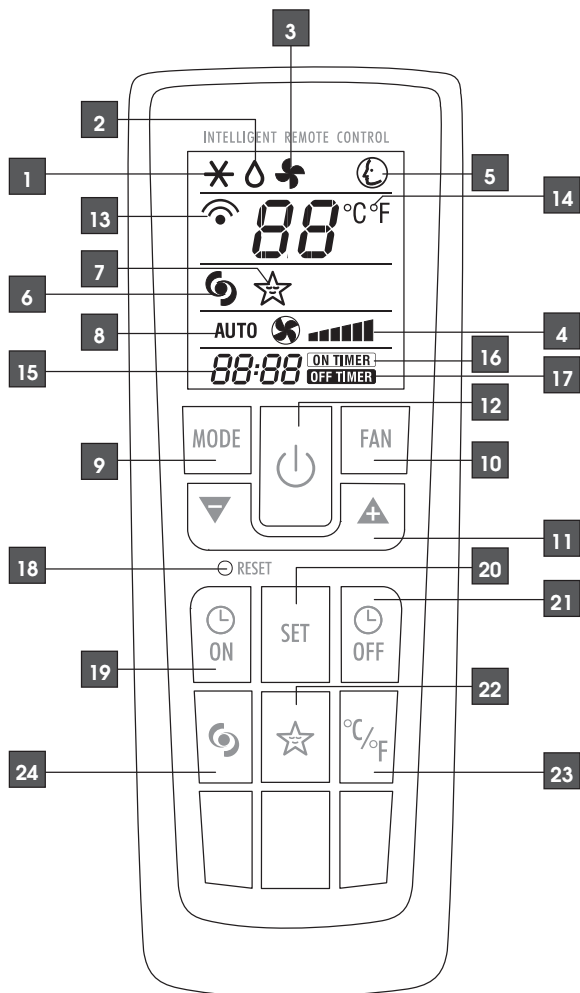
Activate by simply pressing the  button.

The appliance operates in air conditioning mode at maximum fan speed. While this function is selected, it is not possible to set the temperature or change fan speed.



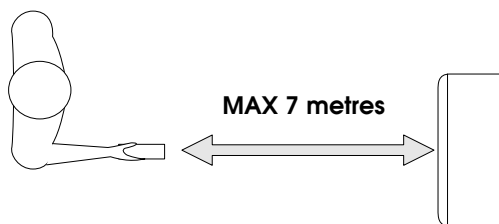
DESCRIPTION OF THE REMOTE CONTROL

- 1 Air conditioning symbol
- 2 Dehumidifying symbol
- 3 Fan symbol
- 4 Fan speed indicator
- 5 SMART symbol
- 6 BOOST symbol
- 7 SLEEP symbol
- 8 AUTO fan speed indicator
- 9 MODE button (selects the modes)
- 10 FAN button
- 11 Increase (+) and decrease (-) temperature/humidity button
- 12 ON/Standby button
- 13 Signal transmission
- 14 Selected temperature scale indicator
- 15 Clock
- 16 Timer ON symbol
- 17 Timer OFF symbol
- 18 Reset button (resets the factory default settings)
- 19 Timer ON button
- 20 SET button
- 21 Timer OFF button
- 22 SLEEP button
- 23 °C or °F selection button
- 24 BOOST button



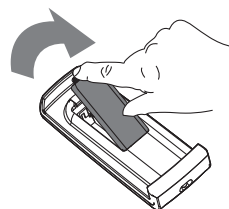
USARE IL TELECOMANDO

- ✓ Point the remote control at the receiver on the appliance. The remote control must be no more than 7 metres 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.



INSERTING OR REPLACING THE BATTERIES



- Remove the cover on the rear of the remote control;
 - Insert two R03 “AAA” 1.5V 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.



SETTING THE TIME

After having inserted the batteries, the clock on the display flashes until the time is set.

Proceed as follows:

- Press the  or  button until the correct time is reached. Hold the button down to run rapidly through first the minutes, then the tens of minutes and then the hours.
- Once the correct time has been reached, press the **SET** button to confirm.

If you need to change the time later, press the SET button, then set as described above.

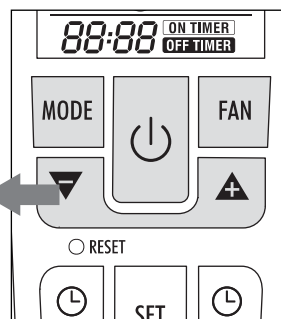
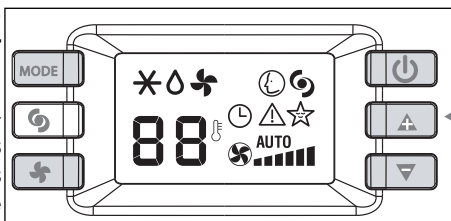
To cancel the settings programmed on the remote control and restore the original settings, press the **RESET** button lightly with the point of a pencil or pen.

USING THE REMOTE CONTROL UNIT


The first part of the controls on the remote control are the same as those on the control panel of the appliance.

You should therefore refer to the instructions in the chapter **Operating from the control panel** to turn the appliance on and select the operating mode (**AIR CONDITIONING, DEHUMIDIFYING, FAN or SMART**) and the fan speed.

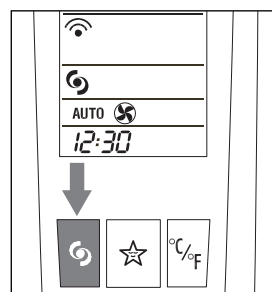
The following section describes the additional functions corresponding to the controls on the bottom part of the remote control.



BOOST FUNCTION

Ideal for the summer to cool rooms rapidly. Activate by simply pressing the  button.

The appliance operates in air conditioning mode at maximum fan speed. While this function is selected, it is not possible to set the temperature or change fan speed.





SLEEP FUNCTION

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

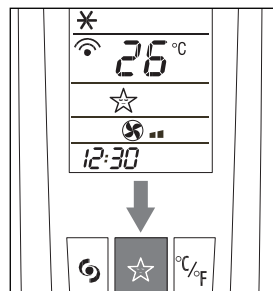
To set this function correctly:

- Select the operating mode (air conditioning, dehumidifying or smart as described above).
- Press the button. The appliance operates in the previously selected mode.

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

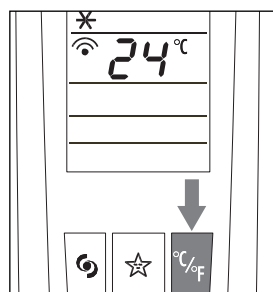
Fan speed is always at minimum, while room temperature and humidity vary gradually to ensure the most comfortable conditions.

During air conditioning, the temperature increases by 1°C every 60 minutes and 2°C after 2 hours.



SELECTING THE TEMPERATURE SCALE

Press the button to switch the temperature display from °C to °F and vice versa.

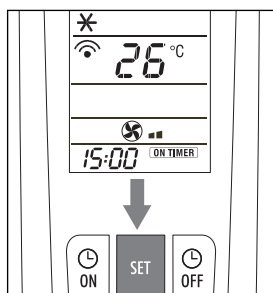
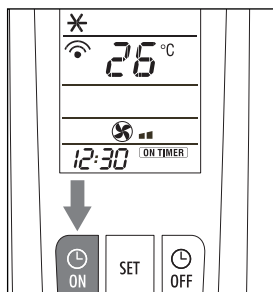


PROGRAMMING THE TIMER





The appliance can be programmed to start up and shut down when required.

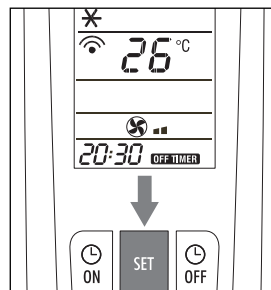
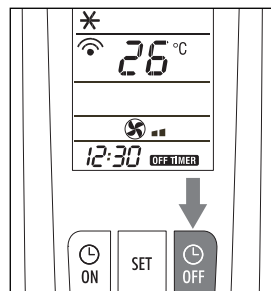
Programming start up

- Press the button.
The start-up time and message "ON TIMER" flash on the remote control display.
- Press the or buttons to set the time you want the appliance to start up.
- When that time is reached, press the **SET** button to confirm (fig. 30). The message "ON TIMER" appears on the remote control display and the symbol is displayed on the appliance to indicate that the timer is active.






Programming shutdown

- Press the  button. The shutdown time and message **"OFF TIMER"** flash on the remote control display .
- Press the  or  buttons to set the time you want the appliance to shut down.
- When that time is reached, press the **SET** button to confirm. The message **"OFF TIMER"** appears on the remote control display and the  symbol is displayed on the appliance to indicate that the timer is active.



SELF-DIAGNOSIS

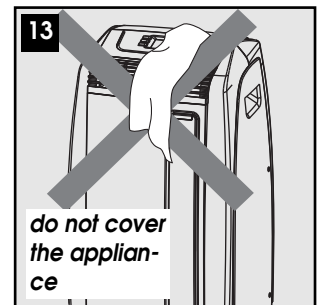
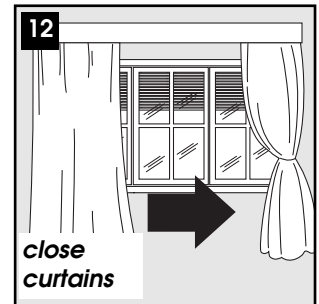
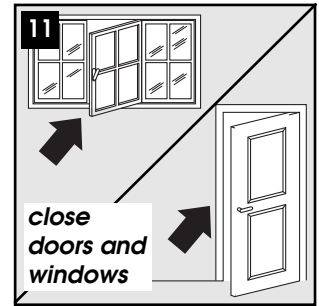
The appliance has a self diagnosis system to identify a number of malfunctions. Error messages are displayed on the appliance display.

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


TIPS FOR CORRECT USE

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

- close the windows and doors in the room to be air conditioned (fig. 11). When installing the air conditioner 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. 12);
- never rest objects of any kind on the air conditioner;
- do not obstruct the air intake and outlet (fig. 13). Leave the grilles free;
- 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 standing on a level surface. if necessary, place the castor locks under the front wheels.



CLEANING

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

CLEANING THE CABINET

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

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

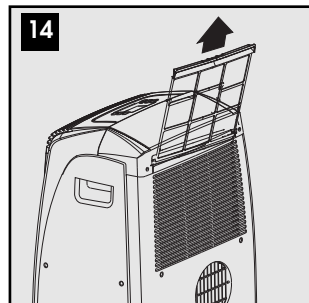
CLEANING THE AIR FILTERS

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

The filters are housed in the intake grille (fig. 14).

Use a vacuum cleaner to remove dust accumulations from the filter. If it is very dirty, immerse in warm water and rinse a number of times. The water should never be hotter than 40°C.

After washing, leave the filter to dry then attach the intake grille to the appliance.



START - END OF SEASON OPERATIONS

START OF SEASON CHECKS

Make sure the power cable and plug are undamaged and the earth system is efficient.

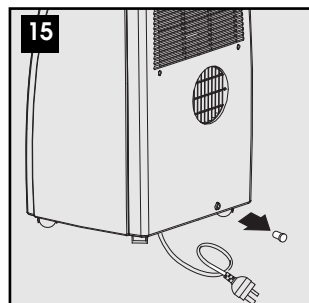
Follow the installation instructions precisely.

END OF SEASON OPERATIONS

To empty the internal circuit completely of water, remove the cap (fig. 15).

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.



TROUBLESHOOTING

PROBLEM	CAUSE	SOLUTION
The air conditioner does not come on	<ul style="list-style-type: none"> • there is no current • it is not plugged into the mains • the internal safety device has tripped 	<ul style="list-style-type: none"> • wait • plug into the mains • Wait 30 minutes, if the problem persists, contact your service center.
The air conditioner works for a short time only	<ul style="list-style-type: none"> • there are bends or kinks in the air exhaust hose • something is preventing the air from being discharged 	<ul style="list-style-type: none"> • position the air exhaust hose correctly, keeping it as short and free of curves as possible to avoid bottlenecks • check and remove any obstacles obstructing air discharge
The air conditioner works, but does not cool the room	<ul style="list-style-type: none"> • windows, doors and/or curtains open • there are heat sources in the room (oven, hairdryer, etc) • the air exhaust hose is detached from the appliance • the technical specification of the appliance is not adequate for the room in which it is located. 	<ul style="list-style-type: none"> • close doors, windows and curtains, bearing in mind the "tips for correct use" given above • eliminate the heat sources • fit the air exhaust hose in the housing at the back of the appliance (fig. 1).
During operation, there is an unpleasant smell in the room	<ul style="list-style-type: none"> • airfilter clogged 	<ul style="list-style-type: none"> • clean the filter as described above
The air conditioner does not operate for about three minutes after restarting it	<ul style="list-style-type: none"> • the internal compressor safety device prevents the appliance from being restarted until three minutes have elapsed since it was last turned off. 	<ul style="list-style-type: none"> • wait. This delay is part of normal operation.
The following message appears on the display: LT / PF / FT	<ul style="list-style-type: none"> • the appliance has a self diagnosis system to identify a number of malfunctions. 	<ul style="list-style-type: none"> • see the SELF-DIAGNOSIS chapter.

TECHNICAL SPECIFICATIONS

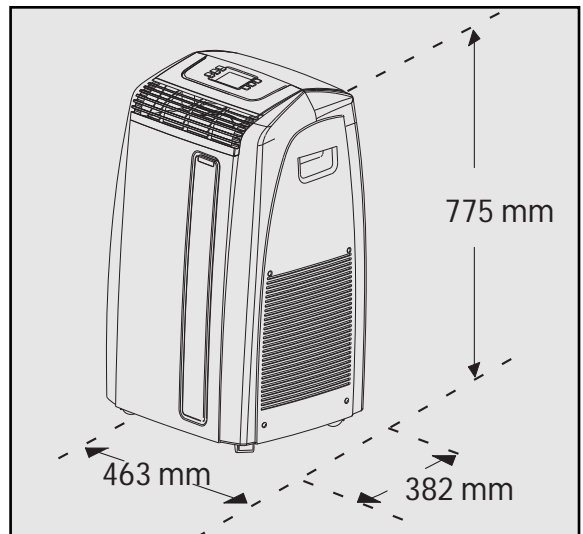
Mains voltage	see rating plate
Maximum absorbed power in air conditioning	“
Refrigerant	“
Cooling capacity	“

LIMIT CONDITIONS

Temperature of room in air conditioning	21-35°C
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SIZE OF APPLIANCE

- width 463 mm
- height 775 mm
- depth 382 mm
- weight 32 kg



GUARANTEE

The terms of the guarantee and technical assistance are given in the documentation accompanying your appliance.