

Important safeguards

- Use this appliance only as described in this instruction manual.
As with any electrical appliance, whilst the instructions aim to cover as many eventualities as possible caution and common sense should be applied when operating and installing this air conditioner.
- This appliance has been manufactured to cool and de-humidify domestic environments and should not be used for other purposes.
- It is dangerous to alter or modify the unit's characteristics in any way.
- The appliance must be installed in line with the relevant national legislation.
- This appliance is to be used by adults only; keep children away from it.
- The appliance is not intended for use by young children or infirm persons without supervision.
- Should repairs be necessary, contact the nearest authorised Repair Service Centre. Unauthorised servicing can be dangerous.
- This appliance is to be used by adults only; keep away from children.
- In the case that the power cable becomes damaged, this must be substituted only by specialised personnel authorised by the manufacturer.
- Always ensure the appliance is earthed. If you have any doubts check with a qualified electrician.
- Avoid using extension leads with the unit.
- Before cleaning or maintenance operations, always unplug the unit from the socket.
- Do not pull on or place strain on the power cable when moving the appliance.
- The appliance should not be installed where the atmosphere may contain combustible gases, oil or sulphur, or near heat sources.
- The refrigerant used in this appliance would cause damage to the ozone layer if released into the atmosphere. Therefore at the end of the working life of the appliance the unit should be taken to a recycling centre for disposal of the refrigerant.
- Keep the unit at least 50 cm away from inflammable substances (alcohol etc) or pressurised containers (eg. aerosol cans).
- Do not rest hot or heavy objects onto the appliance.
- Clean the dust filter at least once a week.
- Remember to perform the descaling procedure at the end of each season (see page 18). In areas where the water is particularly hard (rich in minerals), the use of a commercial anti-lime product added to the water is recommended. This can be requested from De'Longhi LTD.
- Avoid using heaters near the unit.
- Do not cover this appliance with bags when is not in use
- The unit should be transported in a vertical position. If this is not possible secure the unit at an angle, do not lie horizontally.
Before transporting the unit drain the condensation collecting-tray and tank. After transportation, wait at least 1 hour before switching on the unit.
- The packaging materials can be recycled. You are therefore recommended to place them in the special containers for differentiated waste collection.

This appliance contains substances which, if released into the atmosphere, would damage the ozone layer. Care should therefore be taken not to perforate the refrigerant circuit. At the end of its working life, deliver the air conditioning unit to a special collection centre.

How does your Pinguino work

During the summer, optimum comfort is achieved with a temperature of between 24 and 27°C (75 and 80 °F) and about 50% relative humidity.

An air conditioner removes moisture and heat from the room where it is located. One advantage of portable air conditioning units over fitted models is that they can be moved from one room to another in the home or even transferred between different buildings.

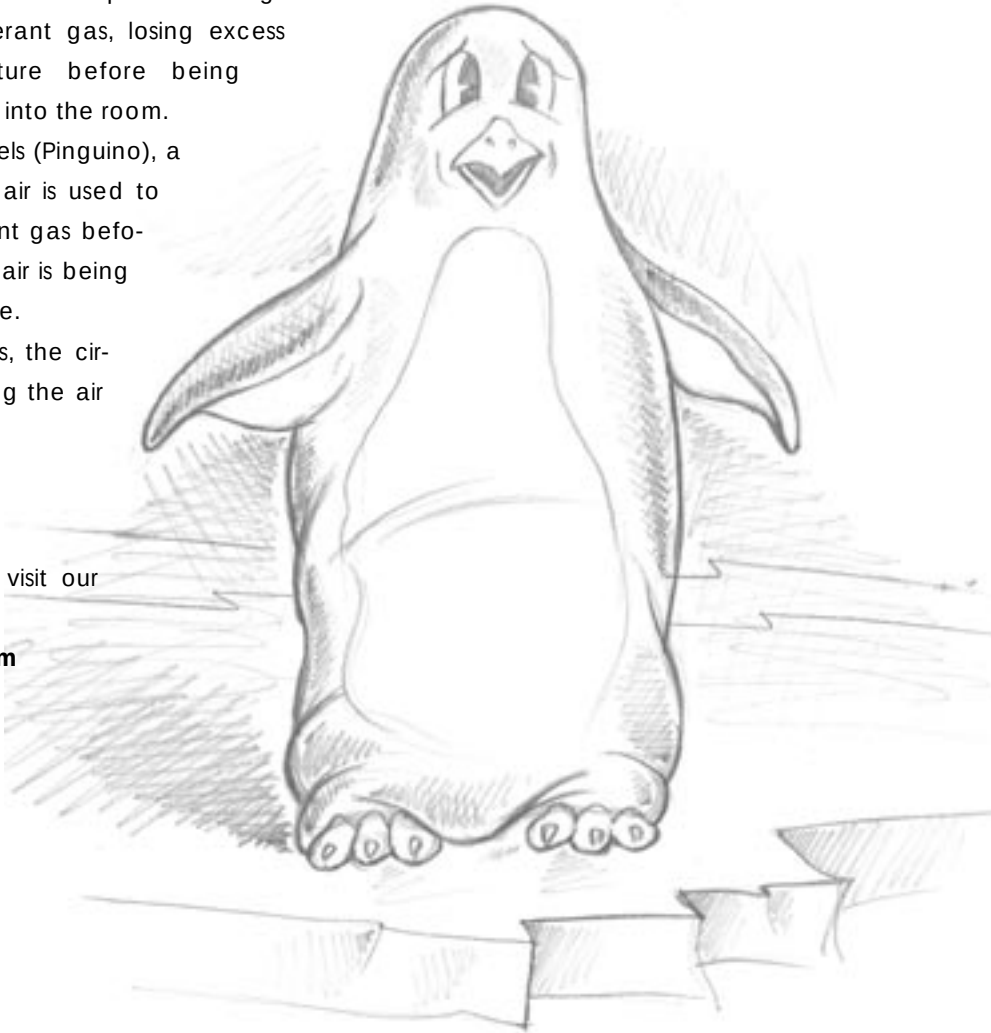
The hot air in your room is passed through a coil cooled by refrigerant gas, losing excess heat and moisture before being discharged again into the room.

In single unit models (Pinguino), a small part of this air is used to cool the refrigerant gas before, hot and moist air is being discharged outside.

In suitcase models, the circuit is cooled using the air outside.

For more details, visit our Internet site

www.delonghi.com



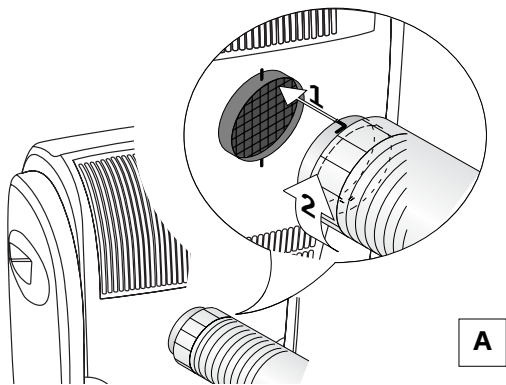
Setting up

The following instructions will help you set up your air conditioning unit as efficiently as possible.

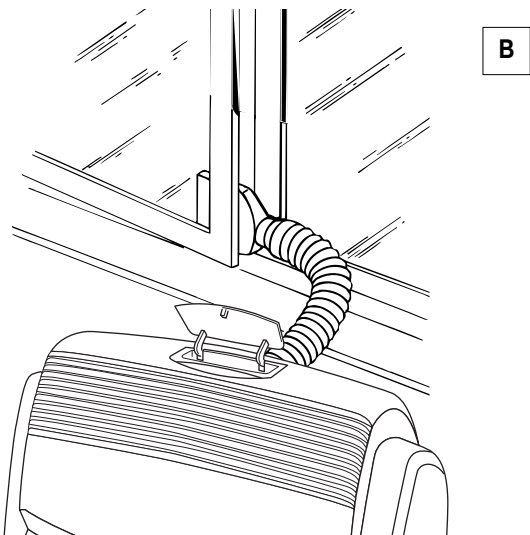
AIR CONDITIONING WITHOUT INSTALLATION FOR INSTANT TEMPORARY USAGE

With just a few simple operations, Pinguino will restore comfortable conditions in your room:

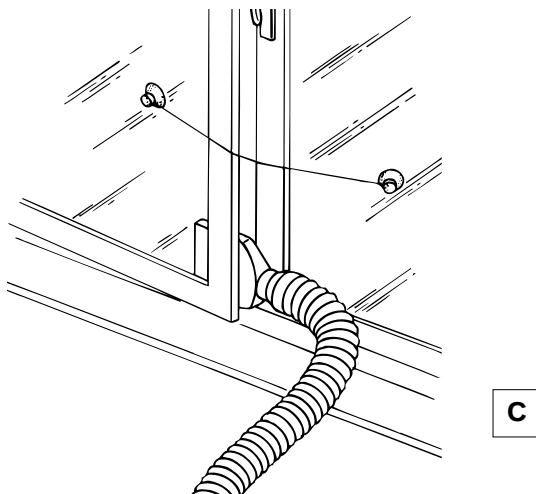
- Fix the exhaust hose **14** to the coupling **10** on the back of the unit as shown in figure **A**.



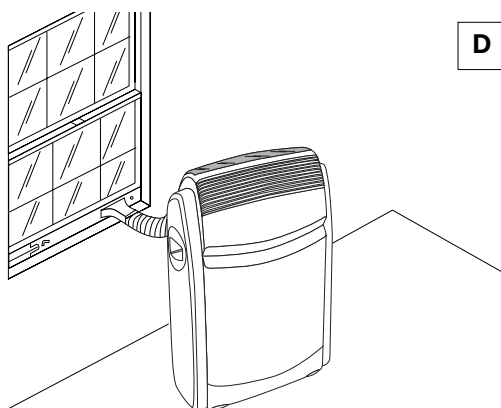
- Fix the window attachment **14** to the end of the hose **15**.
- Place the unit near a window French window or door.
- Open the window, French window or door slightly and place the window attachment **15** as shown in figure **B**.



- With a double casement window, use the suckers **16** provided to hold the two halves of the window together (fig. **C**).



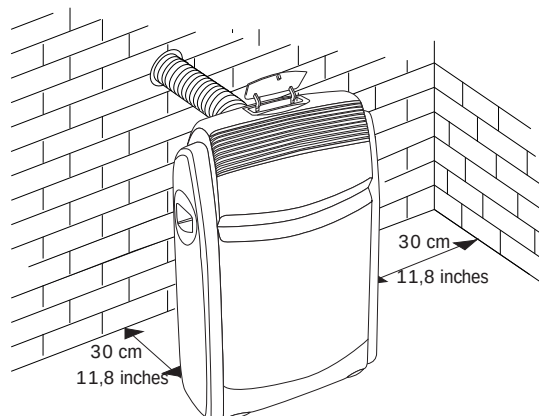
- Pinguino is equipped with an adjustable window bracket **19**. If you have a sliding window, place the bracket on the window sill, extend the bracket fully within the window frame and lower the window onto the bracket. Insert the nozzle of the exhaust hose into the slot, then connect the hose to the air conditioner (Fig. **D**). With the wing nut it's possible to use the window bracket also for sliding windows. Position the hole of the bracket to allow a correct installation of the exhaust hose.



Setting up

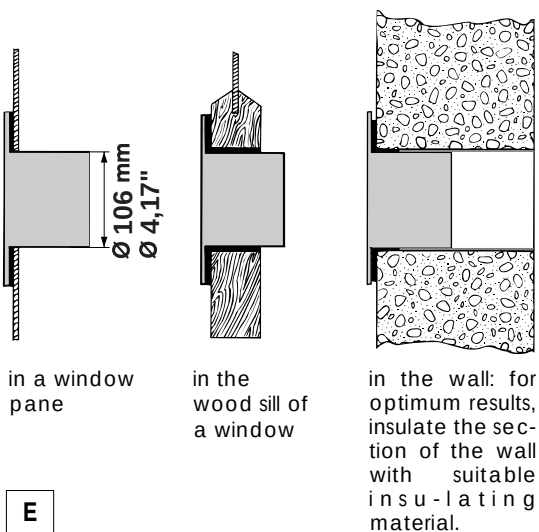
AIR CONDITIONING WITH INSTALLATION

For more efficient use Pinguino can also be semi-permanently installed

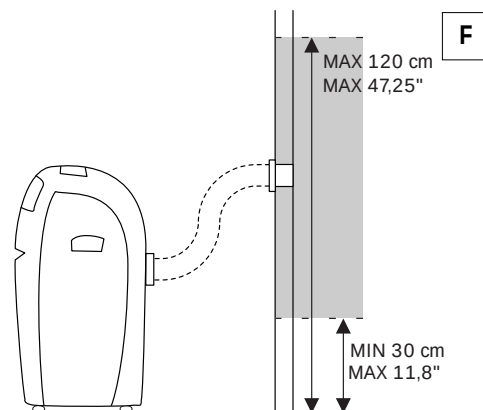


To install, proceed as follows:

- Make a hole in a outside wall or through the glass of a window. Check the height and dimensions given in figure E



- Fit the flange **13** supplied to the hole.
- Fix the hose **14** to the coupling on the back of the unit (figure A).
- Attach the end of the hose **14** to the flange **13** as shown in the figure F.



When the hose **14** is not attached, close the hole with the bung on the flange **13**.

NOTE:

When the unit is installed semi-permanently, we recommend leaving a door slightly open (1 cm is enough) to ensure an adequate exchange of air.

Preparation for use

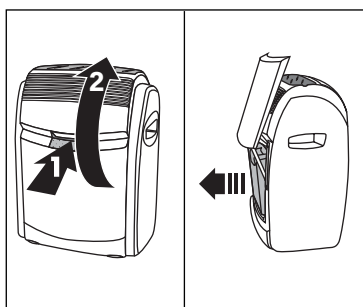
HOW TO USE THE AIRCONDITIONER WITH WATER

These air conditioners can use both air and water to cool the condenser (the hot part) of the air conditioner.

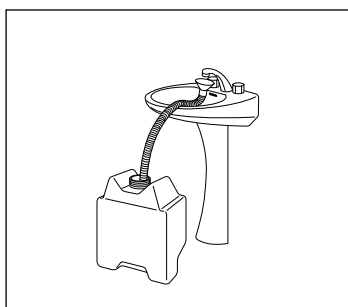
To utilise the full potential of your air conditioner, the tank **6** needs to be filled with water. The water is used. To increase the cooling power and reduce the noise level and energy consumption of the air conditioner. The water that is used in then expelled from the machine as water vapour through the exhaust hose **14** (it does not go into room).

Always use clean top water (which doesn't contain salts). As a rule the water will usually last about 8 hours however this depends on the conditions within the room, such as temperature, humidity, insulation and aspect and number of people. In turbo mode the water will also be used more quickly.

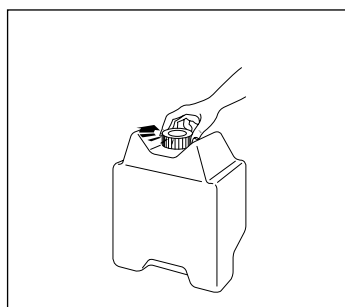
You may also use the airconditioner on air cooling only (without filling the water tank . If you only require the lower cooling power.



A) To open the front panel **4** grip either side of the panel and gently pull the panel towards you and upwards. Remove the tank **6** Lifting it forward.



B) Turn the tank upside down and remove the plug, remove the extendible tube and fill the tank, leaving it on the ground.



C) After completing the filling procedure, replace the extendible hose, replace the cap and screw it in tightly. Return the tank to its place, with the writing FRONT clearly visible. Carefully hold the panel in the centre and lower to its closed position.

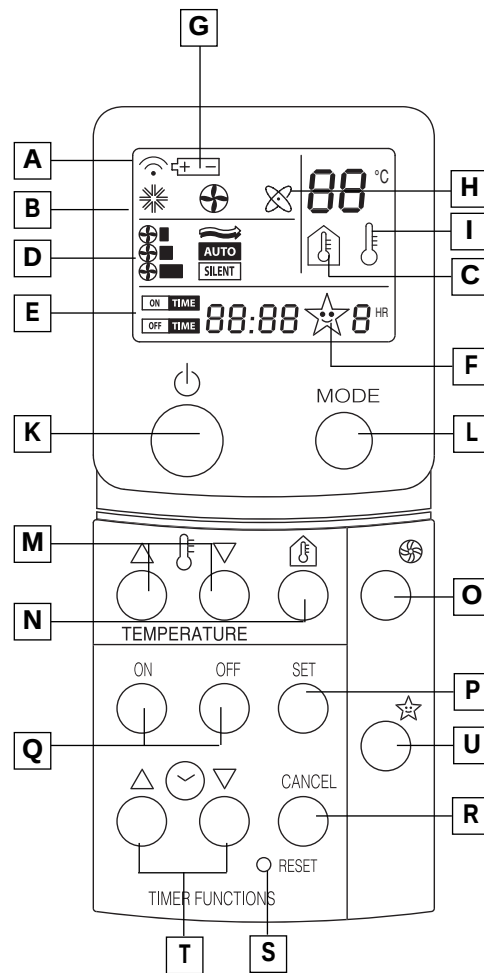
During the "water functioning" operation and in particularly silent locations (eg the bedroom) a slight gurgling sound may be heard. This is completely normal.

IN HIGH HUMIDITY CONDITIONS

Water is extracted from the air in the room, this water is also used to cool the condenser. When the humidity is particularly high an excess of water may build up in the internal tank. This can be drained by removing the bung from the drain hose **11** and draining into a suitable receptacle.

IMPORTANT: if the room temperature is 32°C (89,6° F) or over the airconditioner must be operated with water in the tank.

Description of the remote control



When the remote control is not used, it can be stored in the foreseen compartment **1** . To open the compartment press “push”.

Description of the remote control/ Electrical connection

THE DISPLAY

Once the air-conditioner is turned on, all the symbols will be shown.

When the appliance is turned off, only the clock will remain visible.

A. **Beep**

Display of beep and start of the air-conditioner; it also activates every time an operation is carried out.

B. **Symbols**

Air-conditioning, ventilation.

C. **Room temperature**

Shows the room temperature.

D. **Fan speed**

Shows the various speeds: minimum, medium, maximum, automatic and silent.

E. **On/Off Timer**

Shows the times programmed for turning the appliance on and off.

F. **Sleep/Silent Timer**

Shows the function and the desired operating time, with the sleep function

G. **Battery-replacement indicator**

H. **Air purification**

The symbol remains on permanently because when appliance is on, air is continuously filtered of impurities.

I. **Set temperature**

Shows the temperature set.

J. **Clock**

Shows the time.

BUTTONS

K. **On / Off**

L. **MODE: Function selecting**

This button selects the various functions: air-conditioning, Ventilation/Purification.

M. **Room thermostat**

These two buttons select the desired room temperature.

N. **Room temperature display**

Gives you the current room temperature. After about four (4) seconds, the display will show the temperature set previously.

O. **Fan speed**

Determines fan speed: minimum, medium, maximum, automatic and silent.

P. **SET: Clock and timer verification**

Confirms the setting of the clock and the ON/OFF timer.

Q. **ON/OFF: programmazione timer**

I tasti programmano lo spegnimento e l'accensione del climatizzatore.

R. **CANCEL: Timer**

Cancels the setting on the ON/OFF timer.

S. **RESET**

T. **ON / OFF: Timer programming**

These buttons program the turning on and off of the air-conditioner.

U. **Sleep**

This button controls the night-time operations.

ELECTRICAL CONNECTION

Before plugging in check that:

- the mains supply corresponds to the value shown in the specifications table;
- the socket and the mains lead correspond to the power requirements of the appliance;
- the socket is suited to the plug, otherwise have the socket replaced;
- the socket is properly grounded. **The manufactures cannot be held responsible for any damages due to failure in following normal safety procedures.**

Replacement of the power cable must be carried out by qualified personnel.

If when selecting the air-conditioning function while concurrently there would be a decrease in the voltage of the electrical current, a security device could intervene. This blocks the functioning of the refrigerator circuit, in a way that the appliance operates as if it were in the ventilation/purification mode. In order to restore the air-conditioning function, you must turn off the appliance and remove the plug from the outlet for at least thirty seconds. Then plug it back in.

Warning lights/Forced operations

THE LEDS

Led displays come on depending on the selected function or as warning of possible anomalies.

FUNZIONE	RED LIGHT	YELLOW LIGHT	GREEN LIGHT
OFF	-	-	-
AIR-CONDITIONING	-	-	on
PURIFYING	-	on	-
TIMER	All 3 LEDs remain on when machine is off, if at least one TIMER function is selected.		
TURBO POWER	on	-	on

ANOMALY	RED LIGHT	YELLOW LIGHT	GREEN LIGHT
DIRTY FILTERS (1)	-	blinking	-
ALARM	blinking	blinking	blinking

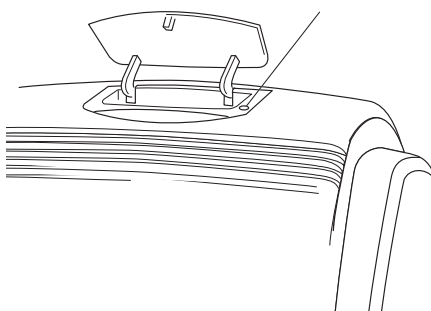
- (1) A flashing LED indicator means that the anti-bacterial filters need cleaning. To switch off the LED indicator, after having cleaned the filters, press the manual function button (see figure) until a beep followed by a double-beep is heard. This procedure can be carried out also while the unit is operating.

FORCED OPERATIONS

This is a way of operating to be selected if there are problems with the remote control (broken or lost, or the batteries run-down).

Push the button (see figure) to start the unit and then press it again to get the sequence of the operational procedures (air-conditioning, ventilation, turn off) with an automatic setting.

manual function button



Description of the remote control

REMOTE CONTROL

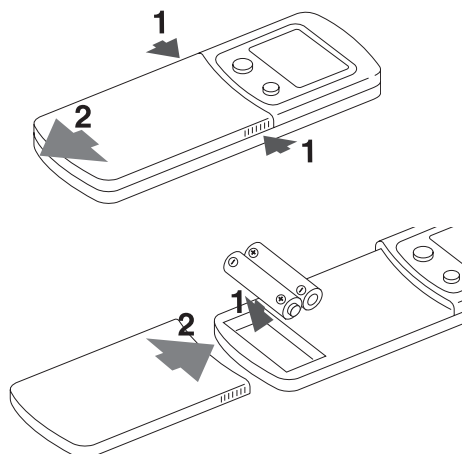
Inserting the batteries

- Slide the cover as shown in figure.
- Insert two new non-rechargeable batteries, being careful to place them in the correct positions (+) and (-).
- Put the cover back on, letting it slide into its original position.
- The Display will show all of the remote control's symbols for several seconds.

At this point the clock on the display will start to blink showing 12:00 o'clock; at this point set the correct time.

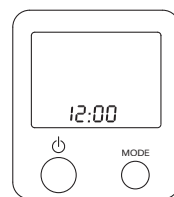
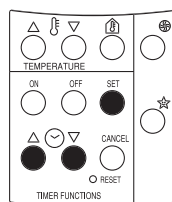
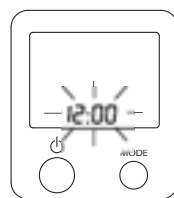
Note: WE SUGGEST USING ALKALINE BATTERIES.

If the remote control is to be replaced or thrown away, the batteries must be removed and disposed of in accordance with the current laws as it represents an environmental hazard.



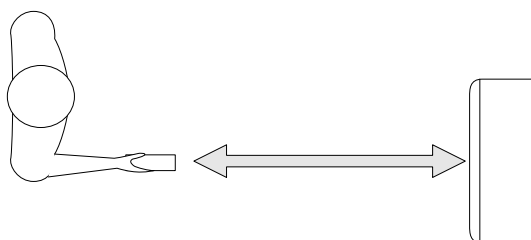
SETTING THE CLOCK

- If the time is not set within two minutes of the reset or of battery replacement, the remote control will automatically read 12:00.
- To programme the hour, push the ▲ ⌚ ▼ keys to move ahead or back. The segments are of one minute. If you hold the buttons down, the minute designations will run more quickly.
- The clock will continue to blink. Push the SET button to confirm the time set: the clock will then stop blinking.
- If you have to adjust the time, you must push the RESET button and then enter the correct time. (There is no other way to do this).



PROPER USE

- Point the remote control toward the air-conditioner's signal receiver **10**.
- Maximum distance: about seven (7) metres (without any obstacle between remote control and receiver).
- The remote control must be handled with **great care**: do not drop it, expose it to direct sunlight, or leave it close to heat sources.



Selecting functions

AIR-CONDITIONING FUNCTION

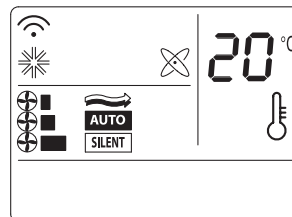
This operation is ideal on especially hot days.

- First press the  button to turn the appliance on. A beep will indicate that the air-conditioner has turned on, and the  symbol will begin to blink.
- Now press the MODE button until the air-conditioning symbol  appears on the display.
- At this point, set the temperature: to lower it, press the  button.
- To select the fan speed, simply press the  button repeatedly until you obtain the speed desired (minimum, medium, maximum, automatic and silent).

Note:

In air conditioning mode, the appliance automatically removes excess humidity from the atmosphere.

Note: Everytime the maximum fan speed is selected, the appliance works in “turbo power”, thus obtaining the maximum performance of the appliance.

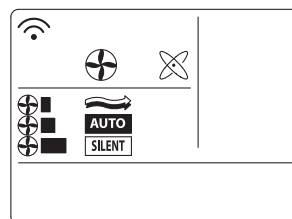


VENTILATION FUNCTION/PURIFICATION

On humid but not particularly hot days, it may be sufficient to operate the appliance in ventilation/purification mode.

- Press the  button. A beep will indicate that the air-conditioner has turned on, and the  symbol will begin to blink.
- Now press the MODE button until the ventilation symbol  appears on the display.
- Once the ventilation has been activated, press the  button repeatedly until you get the desired fan speed (min, med, max, auto, silent).

It should be pointed out that when the automatic ventilation functions are activated, the appliance itself will choose the proper speed.



Selecting functions

AUTOMATIC SLEEP FUNCTION

Ideal for those wanting a peaceful night's sleep in a perfectly air conditioned room.

- Press the ① button to start the appliance.
- A beep will indicate that the air-conditioner has turned on, and the 📶 symbol will begin to blink.
- Now use the MODE button until you get the symbol 🌸.
- Next select the desired temperature by pushing the ▲ 🌀 ▼ buttons.
- Now press the ☆ to set up the night-time function: the ☆ symbol will appear. By pushing the ☆ button repeatedly until you get the number of hours you want (from 1 to 7), you will set the time for the appliance to switch off.

In this function, the fan functions automatically.

N.B: The night-time function makes it possible to keep a room at a perfect temperature, thus preventing an excessive rise or a drop in temperature while the silent operation is in effect. The air-flow will decrease, while the room temperature will vary gradually to provide the ideal condition: the temperature will increase by 2° C. after 60 minutes and by 2° C. after two hour.



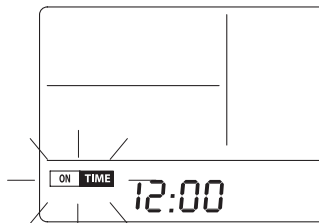
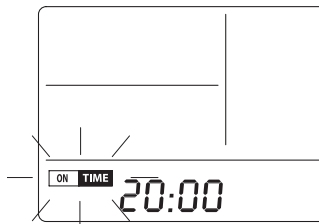
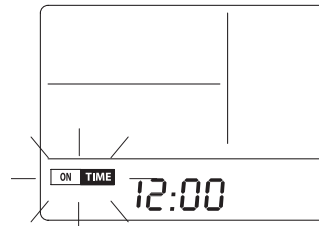
PROGRAMMING THE TIMER

Programming the ON function

With the air-conditioner already running, press the ON button: the ON TIME symbol will start blinking and the clock will read 12:00.

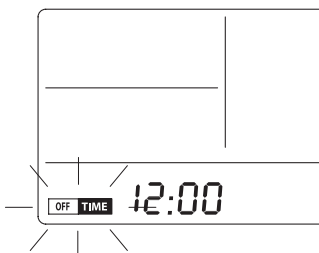
Remember that the timer turns the air-conditioner on, thereby resetting all the functions and procedures operating before the appliance was last turned off.

- If the programming is the one you want, simply press the button. ▲ 🕒 ▼
- The increase or decrease will be in ten-minute (10-minute) segments for each press of the button, whereas if you hold the button down the time will change more quickly.
- The ON TIME marking will continue to blink. By pressing down on the SET button again, you will get confirmation of the time set for the appliance to turn on.
- To cancel the programming, push the ON button: the ON TIME marking will blink while showing the turn-on time.
- At this point, use the CANCEL button: the clock will show the correct time at that moment.



Programming the turn-off function

The procedure for programming the turn-off and cancellation operations is similar to the one just described: the only difference is that you must push the OFF instead of the ON button.



Selecting functions

PURIFICATION FILTER

The appliance is provided with a 3M purification filter. This filter is able to capture even the smallest sized particles and impurities (up to 0.003 millimetres), such as cigarette smoke.

The purification filter should never be used with the dust filter, which is also included with the appliance. Therefore:

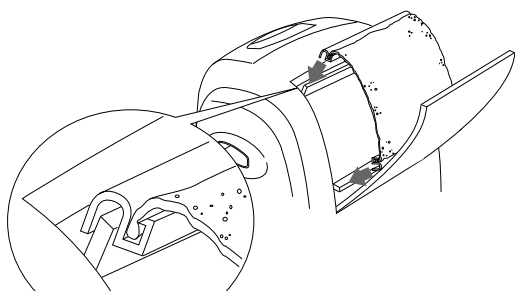
A. If you wish to use the purification filter:

Remove the purification filter from the filter housing; Remove the aspiration grill **8** (fig.

G) and the dust filter which is attached to this. Remove the purification filter from its packaging. Anchor the filter to the appliance by attaching the two plastic pieces on the filter to the special supports on the air conditioner (see the illustration below). Set the dust filter aside.

B. If the dust filter is sufficient:

Remove the purification filter from the filter housing and set it aside.

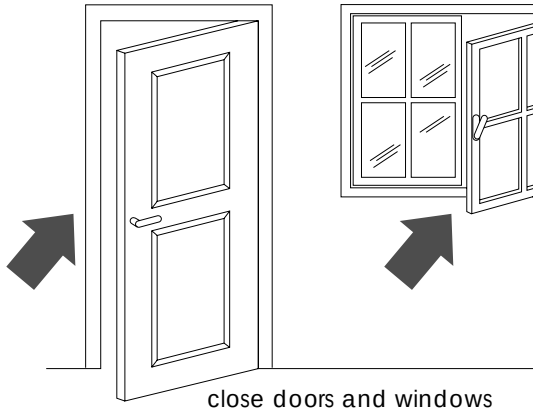


Recommendations

RECOMMENDATIONS

Follow these recommendations to achieve maximum efficiency from your air conditioning unit:

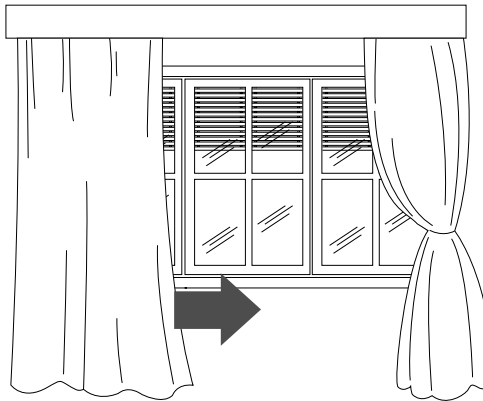
- Close the doors and windows in the room



where the unit is functioning. The only exception is in the case of installation through a hole in the wall or window. In this case, you are recommended to allow a small amount of air to enter through a door or window to guarantee an adequate exchange of air.

- Protect the room from direct exposure to the sun's rays by drawing the curtains and/or partially lowering the blinds so as to maximise energy savings.
- Do not rest objects on the air conditioning unit.
- Do not obstruct the air intake **8** or outlet **2**.

- Make sure there are no heat sources in the room.
- Do not use outdoors.



- Make sure the unit is located on a **level** floor. If necessary, place the two blocking devices **17** under the front wheels.



Maintenance

Before cleaning or maintenance, always turn the unit off and unplug from the mains.

CLEANING THE APPLIANCE

We recommend cleaning the appliance with a slightly damp cloth then drying with a dry cloth. For safety reasons, do not wash the air conditioner with water.

Precautions

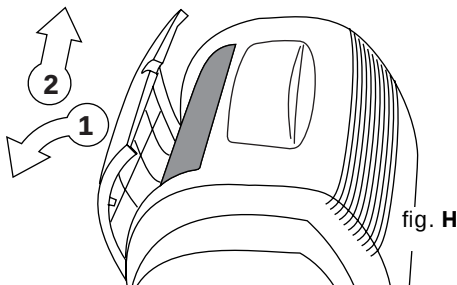
Never clean with benzene, alcohol or solvents. Never spray liquid insecticide or similar.

CLEANING THE FILTERS

All of the models are equipped with a dust filter able to capture the dust particles suspended in the air.

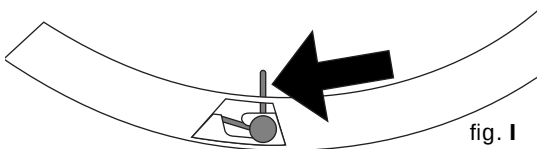
In order to maintain the effectiveness of your air conditioner unaltered over time, remember to clean the dust filter every two weeks.

1. Remove the aspiration grill **8**, (see fig. H);



2. Remove the filter holder housing by detaching it from the external grill. To detach it, press on the two wings found on the side of the filter holder (see fig. I)

Use a vacuum cleaner to remove the dust deposits on the filter. If the filter is very dirty,



immerse it in warm water, rinsing it thoroughly. The temperature of the water should be kept under 40°C.

After washing it, let the filter dry before re-inserting it into the holder.

CLEANING THE RESERVOIR **5**

It is recommended that you clean this at least once a month using the following method:

- turn off the appliance and remove the plug from the electrical outlet.
- open the front panel **4** and remove the tank **6**.
- remove the bung from the drainage hose **11** which can be found at the back the air conditioner and empty out the water to a container.
- after draining off the water, replace the drainage hose plug.
- remove the dirt by scrubbing gently with a cloth where the tank is positioned.

START OF SEASON CHECKS

Check that the power cable and socket are undamaged and that the earth installation is efficient. Carefully observe the installation instructions.

RECOMMENDED OPERATIONS TO PERFORM AT THE END OF THE SEASON

- 1) Proceed with scaling procedures (see page 35).
- 2) Remove the water from the collection reservoir **5**.
- 3) Operate the appliance in the ventilation only mode for about half an hour in order to thoroughly dry the inside of the air conditioner.
- 4) Turn off the appliance and remove the plug from the outlet.
- 5) Remove the exhaust hose **14**.
- 6) Clean the filter and dry it thoroughly before replacing it in the appliance.

Descaling

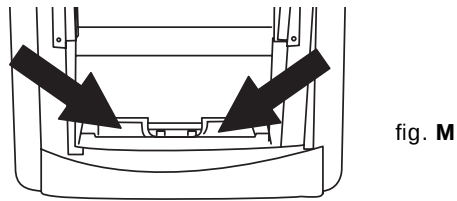
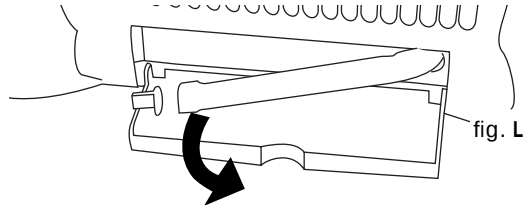
When the scale deposits become excessive (on average, after about 400 hours of operation) or in any case, at least once each season, it is very important to proceed with the decalcification of the appliance as described below.

To remove the scale from the appliance, you need:

- 250 ml of descaling liquid **18**
- 750 ml of clean water

Proceed as follows:

- 1) Remove the tank **6** from the appliance and drain the water remaining in the collection reservoir [5] by using the drainage hose **11** (fig. L).
- 2) Close the drainage hose **11**. Pour 250 ml of decalcifying liquid and 1 litre of clean water into the collection reservoir **5** which is found under the tank (fig. M), on the bottom of the appliance.
- 3) Operate the air conditioner for about half an hour (air-conditioning function).
- 4) After this, drain out all of the liquid remaining in the collection reservoir and rinse thoroughly. During the rinsing process, the drainage hose must be open and the appliance functioning.
- 5) Unplug the appliance from the mains and clean the collection reservoir thoroughly with a clean cloth.
- 6) After cleaning the collection reservoir, the air conditioner can be used normally.



IF TRACES OF SUDS CAN BE SEEN IN THE WATER WHEN THE MACHINE IS USED AGAIN AFTER IT HAS BEEN CLEANED AS DESCRIBED ABOVE, THIS IS NORMAL HOWEVER, IF THERE ARE A LOT OF SUDS RINSE THE APPLIANCE AGAIN THOROUGHLY TO REMOVE ALL TRACES OF CLEANING PRODUCT.

IF NECESSARY, REQUEST ADDITIONAL QUANTITIES OF DECALCIFYING LIQUID FROM DE' LONGHI LTD.

ATTENTION:

The use of products other than De' Longhi could cause damage to the internal components of the appliance and invalidate the terms of the warranty.

Troubleshooting

PROBLEM	CAUSES	REMEDY
The unit does not work	- the power is off - the plug is not inserted into the electrical outlet - the fan is blocked - the appliance's security device 7 has intervened	- restore the power - plug in the appliance - call the Service Centre - restore the appliance by pushing the button 7. If the problem persists, call the Service Centre.
The unit works for only a short time	- the exhaust tube is twisted - the exhaust tube is blocked - the drain tube is bent	- position exhaust tube correctly - check if there are obstacles blocking the exhaust of air out of the appliance - unbend the tube
The unit works but does not cool the room	- a window is open - in the room there is some source of heat (lamp, burner, etc.) or there are many people in the room - the thermostat is set too high - the air filter is dirty - the air conditioner has a capacity not adequate for the conditions or the dimensions of the room	- close the open window - remove the heat source - set the thermostat to a lower (remote control) - clean the filter or replace
Remote control signals are weak or inexistent	- Batteries run down - Batteries may be inserted incorrectly	- Change the batteries - Check the batteries' (+) and (-) poles
Strange odour in the room	air filters dirty	clean the filter or replace it
The air conditioner doesn't work for about 3 min from turning on the appliance	the appliance's security system has intervened	wait for 3 minutes

Technical specification

TECHNICAL SPECIFICATION

Power supply	see rating plate
Max. absorbed power in air conditioning	“
Refrigerating capacity	“
Refrigerant	“
Number of fan speeds	3 + silent
Max. air flow .	370 m ³ /h

RECOMMENDED OPERATING CONDITIONS

Room temperature 70°F -95°F (21 ÷ 35°C)

Dimensions:

• width	580 mm	22 ²¹ / ₆₄ ”
• height	785 mm	30 ¹³ / ₃₂ ”
• depth	435 mm	17 ¹ / ₈ ”

ELECTRICAL CONNECTION (U.K. ONLY)

A) If your appliance comes fitted with a plug, it will incorporate a 13 Amp fuse. If it does not fit your socket, the plug should be cut off from the mains lead, and an appropriate plug fitted, as below. warning: Very carefully dispose of the cut off plug after removing the fuse: do not insert in a 13 Amp socket elsewhere in the house as this could cause a shock hazard. With alternative plugs not incorporating a fuse, the circuit must be protected by a 15 Amp fuse. If the plug is a moulded-on type, the fuse cover must be re-fitted when changing the fuse using a 13 Amp Asta approved fuse to BS 1362. In the event of losing the fuse cover, the plug must NOT be used until a replacement fuse cover can be obtained from your nearest electrical dealer. The colour of the correct replacement fuse cover is that as marked on the base of the plug.

B) If your appliance is not fitted with a plug, please follow the instructions provided below:

WARNING - THIS APPLIANCE MUST BE EARTHED

IMPORTANT

The wires in the mains lead are coloured in accordance with the following code:

Green and yellow	Earth
Blue	Neutral
Brown	Live



As the colours of the wires in the mains lead may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The green and yellow wire must be connected to the terminal in the plug marked with the letter E or the earth symbol  or coloured green or green and yellow.

The blue wire must be connected to the terminal marked with the letter N or coloured black.

The brown wire must be connected to the terminal marked with the letter L or coloured red.

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