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# DE'LONGHI PAC700T Owner's Manual

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----- Manual continues below -----

# Important safeguards

- Use this appliance only as described in this instruction manual.  
As with any electrical appliance, the instructions aim to cover as many eventualities as possible. Caution and common sense should be used when operating and installing this air conditioner.
- This appliance has been manufactured to cool and dehumidify 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.
- Should repairs be necessary, contact the nearest authorized De'Longhi Repair Service Center. Unauthorized DeLonghi servicing can be dangerous.
- This appliance is to be used by adults only; keep away from children.
- In the case that the power cord becomes damaged, this must be substituted only by specialized personnel authorized by the manufacturer.
- Always ensure the appliance is grounded. If you have any doubts check with a qualified electrician.
- Avoid using extension cords with the unit.
- Before cleaning or maintenance operations, always unplug the unit from the outlet.
- Do not pull on or place strain on the power cord when moving the appliance.
- The appliance should not be installed where the atmosphere may contain combustible gases, oil or sulphur, or near heat sources.
- Do not rest hot or heavy objects on the appliance.
- Remember to perform the descaling procedure at the end of each season (see page 13). In areas where the water is particularly hard (rich in minerals), the use of a commercial descaling product added to the water is recommended. This can be requested to De'Longhi America, Inc.
- Clean the filters at least once a week.
- Avoid using heaters near the unit.
- The unit, should be transported in a vertical position. If this is not possible secure the unit at an angle, do not lie it 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.

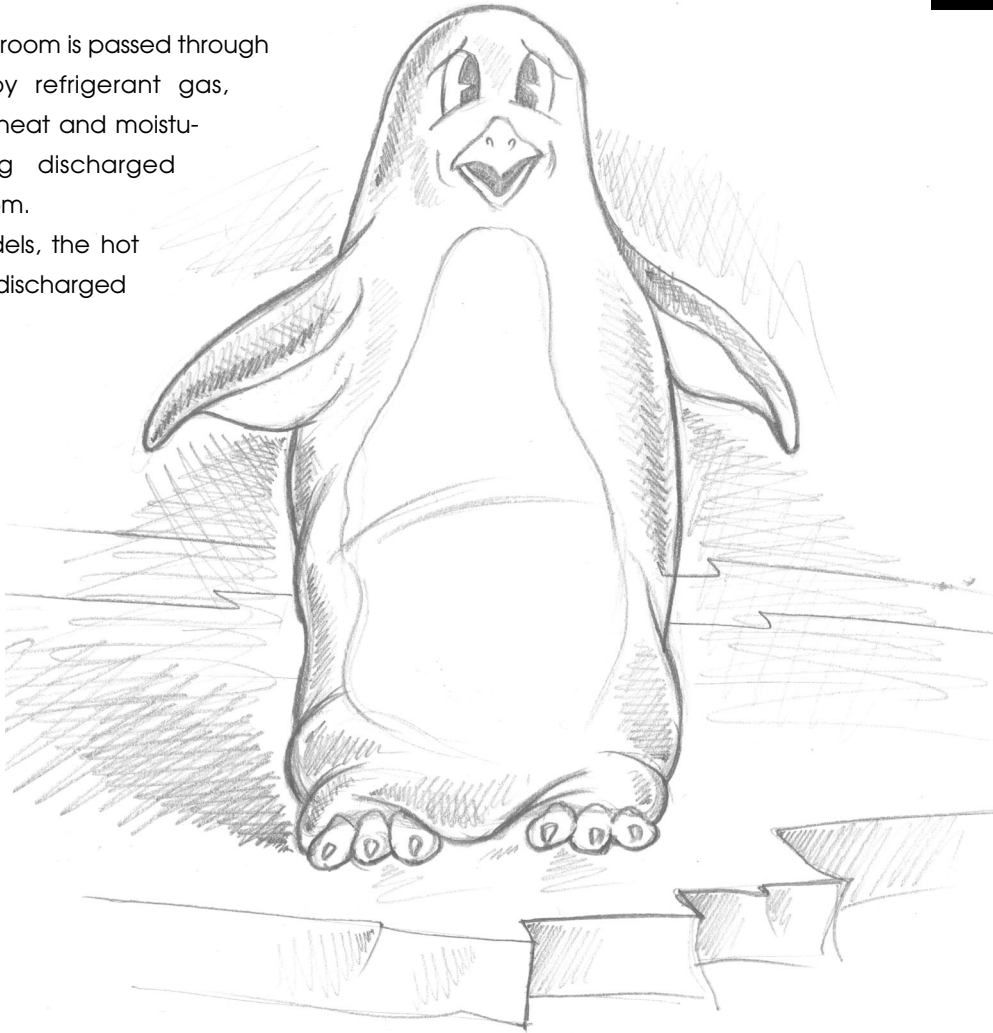
**SAVE THESE INSTRUCTIONS**

**D**uring the summer, optimum comfort is achieved with a temperature of around 75°F (24 °C) and 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 window models is that they can easily 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, removing excess heat and moisture before being discharged again into the room.

In single unit models, the hot and moist air is discharged outside.



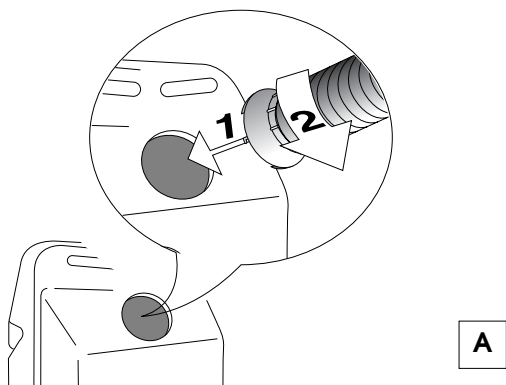
# Setting up

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

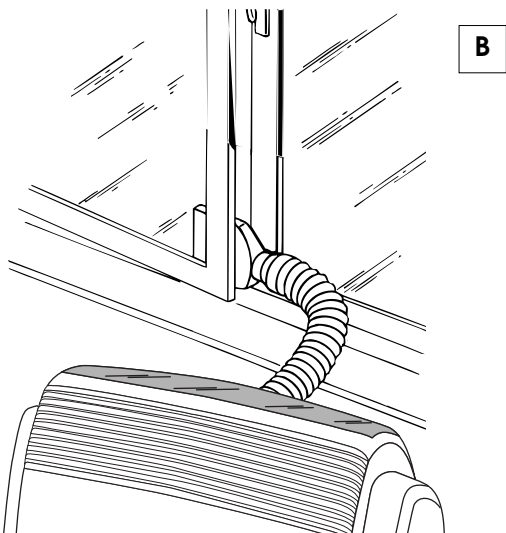
## AIR CONDITIONING WITHOUT INSTALLATION FOR INSTANT TEMPORARY USAGE

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

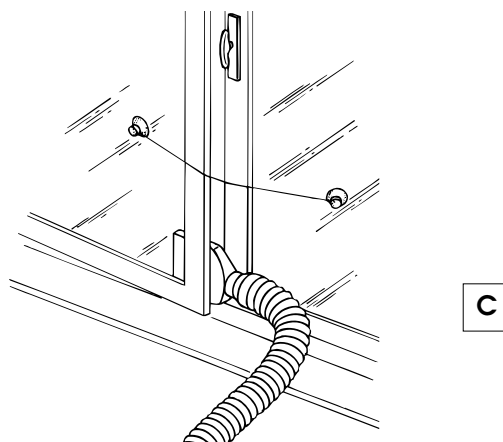
- Fit the exhaust hose **25** to the coupling **8** on the back of the unit as shown in figure **A**.



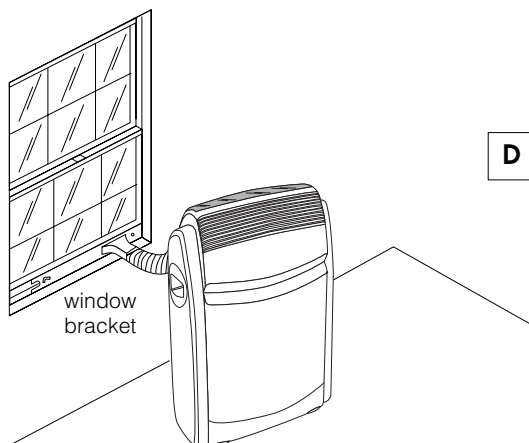
- Fit the window attachment **26** to the end of the hose **25**.
- Place the unit near a window or door.
- Open the window, or the door slightly and place the window attachment **26** as shown in figure **B**.



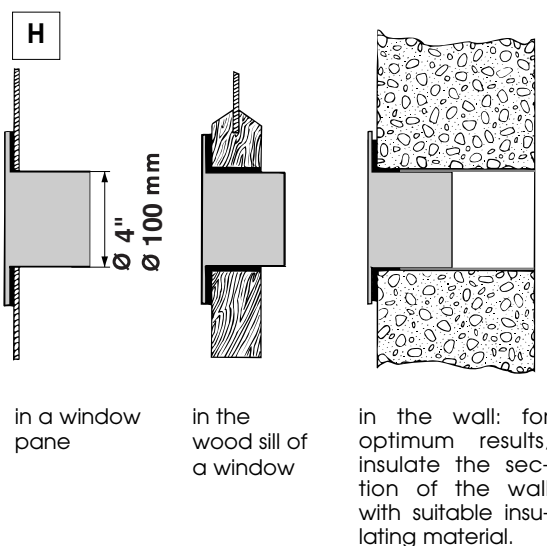
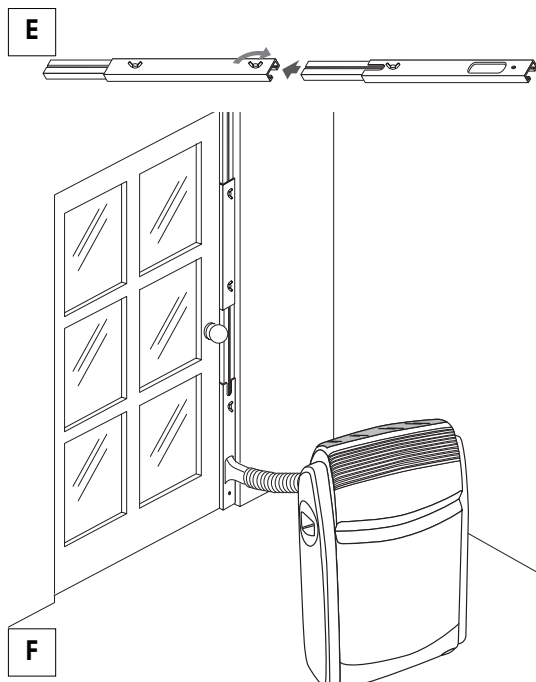
- With a double casement window, use the suction cups **27** provided to hold the two halves of the window together (fig. **C**).



- Pinguino is equipped with an adjustable window bracket **30**. 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.



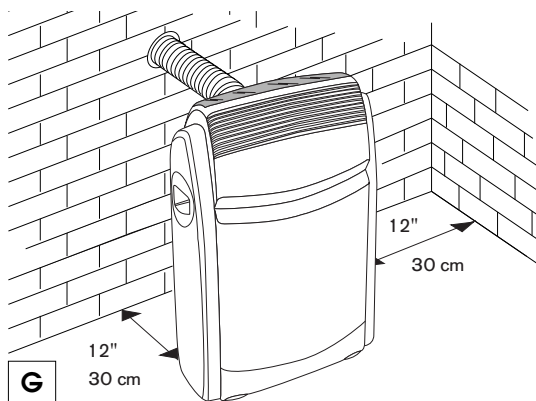
If you have a sliding door, use the additional set provided **[31]** in order to extend the accessory to the desired length; joining the two parts (fig. **E**), adjust the total length according to your needs, then fit the bracket with the relevant nuts, close the door and connect the hose (fig. **F**).



- Fit the flange **[24]** supplied to the hole.
- Fix the hose **[25]** to the coupling **[8]** on the back of the unit (figure **A**).
- Attach the end of the hose **[25]** to the flange **[24]** as shown in the figure **I**.

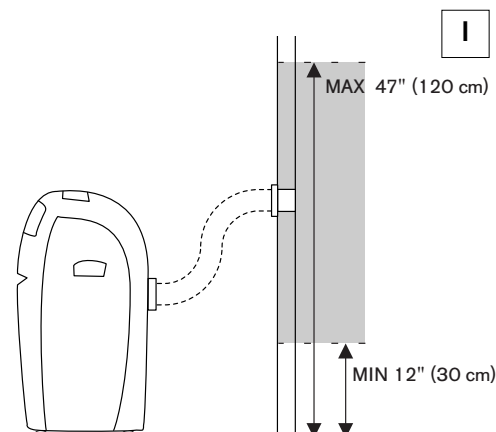
## AIR CONDITIONING WITH INSTALLATION

For more efficient use Pinguino can also be semi-permanently installed (Fig. **G**)



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 **H**



When the hose **[25]** is not attached, close the hole with the stopper on the flange **[24]**.

### NOTE:

When the unit is installed semi-permanently, we recommend leaving a door slightly open (1cm (1/2") is enough) to ensure an adequate exchange of air.

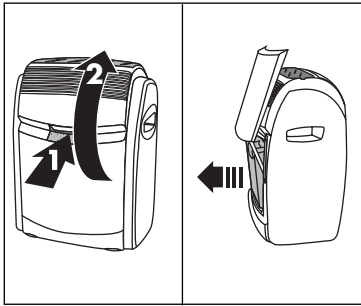
# Preparation for use

## HOW TO USE THE AIR CONDITIONER WITH WATER

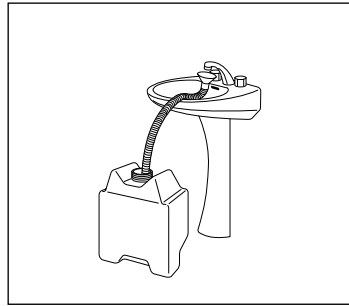
These air conditioners can use both air and water to cool the condenser (the hot part) of the air conditioner.

To utilize the full potential of your air conditioner, the tank **5** 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 is then expelled from the machine as water vapor through the exhaust hose **25** (it does not go into room).

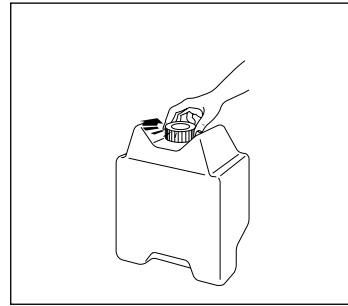
Always use clean tap water (which doesn't contain salts). As a rule the water will usually last about 8 hours, however this depends on the conditions within the room, such as temperature, humidity, insulation and number of people. In cool jet mode the water will also be used more quickly.



A) To open the front panel **3** grip the side panel and gently pull the panel towards you and upwards. Remove the tank **5** Lift it forward.



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



C) After completing the filling procedure, replace the extendable hose and 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 center and lower to its closed position.

During the "water functioning" operation and in particularly silent locations (e.g. 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 appliance. When the humidity is particularly high an excess of water may build up in the internal tank. This can be drained by removing the stopper from the drain hose **9** and draining into a suitable receptacle.

**IMPORTANT:** If the room temperature is 90°F (32°C) or over the air conditioner must be operated with water in the tank.

**WARNING:** Do not use water containing salt, eg. seawater or water treated using softening systems that utilize table salt.

# Turning on and setting the timer

## ELECTRICAL CONNECTION

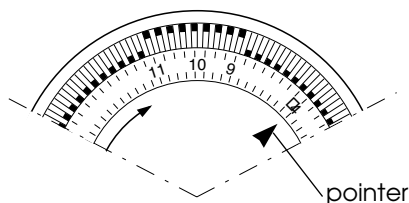
Before plugging in check that:

- the mains outlet corresponds to the power outlet shown on the rating plate;
- the outlet and the mains lead correspond to the power requirements of the appliance ;
- the plug should fit the outlet, otherwise have the outlet replaced;
- the outlet is properly grounded.

**The manufacturer cannot be held responsible for any damages due to failure in following normal safety procedures. Replacement of the power cord must be carried out by qualified personnel.**

## SETTING THE TIMER

The programmer/timer **13**, like all clocks, must be set to the exact time. If for example it is 4.00 pm., turn the dial in a clockwise direction (following the direction of the arrow) until the number 4 is lined up with the triangular pointer (the arrows indicates 4:00 P.M. approximately ).

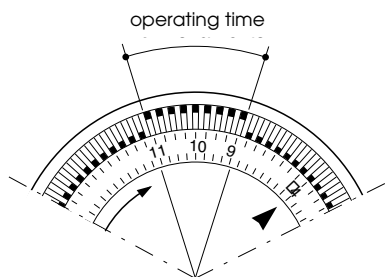


Note: Never turn the dial in an counter-clockwise direction!

The timer is in effect an electric clock and works only if the plug is connected to the power supply. Whenever the plug is disconnected or if there is a power failure, the programmer stops (the clock is then "slow") and must be re-set.

## PROGRAMMED MODE

- 1) Set the operating times by pushing out the notches on the dial corresponding to the time required (each notch represents 15 mins.)
- 2) Press the TIMER key **12**, the signal light **14** will come ON.
- 3) Make sure that the timer indicates the correct time (see instructions on setting).



- 4) Select the desired function as shown in the chart section.

Note: To override the programmed operating times, simply press the ON/OFF key **12** (the timer signal light **14** will go out)

# Selecting functions

## AIR CONDITIONING FUNCTIONS

To turn the unit on in air conditioning mode, proceed as follows:

1. Press the **ON/OFF** button [11] (the signal light [10] will come on).
2. Rotate the function selector [19] dial counter-clockwise:
  - Place the function selector in the **HIGH** position to operate the unit in air conditioning mode at maximum fan speed, after 3 minutes the signal light [15] will come on.
  - Place the function selector in the **LOW** pos. to operate the unit in air conditioning mode at minimum fan speed after 3 minutes the signal light [16] will come on.
3. Now set the required temperature by rotating the room thermostat dial [20].

### Note

The temperature is not expressed in degrees. We recommend that you turn the thermostat dial to the maximum position. When the desired room temperature has been reached, slowly turn the thermostat in a clockwise direction until it arrives at the position where a click can be heard. The signal lights [15] (or [16]) will turn off.

The temperature selected in this way will automatically regulate and maintain the temperature and save energy. When regulating the thermostat, the air conditioning function is temporarily interrupted and the unit continues to operate in fan only mode. In this way, the appliance keeps the air temperature within the room constant.

### Delay on Start Up

1. A special safety device will delay the start of air conditioning by approximately 3 to 5 minutes when switching between functions or on initial start up.
2. You may also experience a slight delay between changing from one function to another.

## COOL JET

The **cool Jet** mode provides the appliance with greater cooling capabilities. This is particularly useful when you want to bring the temperature of a very warm room quickly down to a more comfortable level.

In this case:

Make sure that the tank is full of water (see page 8);

Make sure that the function selector switch [19] is in the **HIGH** position.


Press the **Cool Jet** button [22], after three minutes, the signal light [21], [15] or [16] will come on. After reaching the desired temperature, you can release the **Cool Jet** button and reposition the selector switch to the **LOW** position. This will provide quite operation.

## VENTILATION/FILTRATION

Rotate the function selector [19] clockwise.

- Press the **ON/OFF** button [11] (the signal light [10] will come on).
- Place the function selector on the "**FreshZone**" position and choose the desired fan speed (min/max). The signal light [17] [18] or will come on).

## PROBLEM WARNING LIGHT

The pilot light  [23] indicates that the safety device of the pressure switch has switched on. In this case the appliance is deactivated. To restore the proper functioning of the appliance, eliminate the possible causes of the problem and press the restore button [6].

The causes may be:

- 1) Water has accumulated in the exhaust hose: in this case, it is necessary to drain the water out of the machine, outwards (never towards the air conditioner) and eliminate the water in the hose.
- 2) The exhaust hose is obstructed: eliminate the obstacles that obstruct the release of air to the outside.

If, after having repositioned the drainage tube, the machine still does not start up, the problem might be more complicated (ex.: obstructed ventilation fan) and could require the assistance of a Delonghi Authorized Service Center.

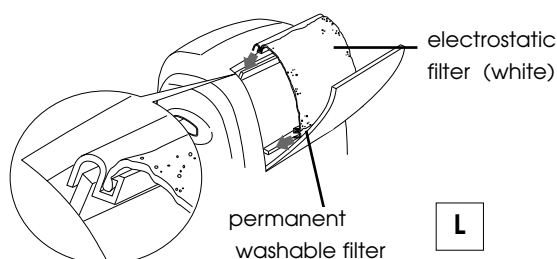


## ELECTROSTATIC FILTRation

In addition to dust, this filtration system is able to capture even the smallest sized particles and impurities such as cigarette smoke. The electrostatic white filter should never be used with the permanent washable filter, (black) which is also included with the appliance. Therefore:

**A.** If you wish to use the electrostatic filter:  
Remove the permanent washable filter from the filter housing;  
Remove the grille **7** (fig. **M** on page 12) and the permanent washable filter which is attached to this. Remove the electrostatic 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 permanent washable filter aside.

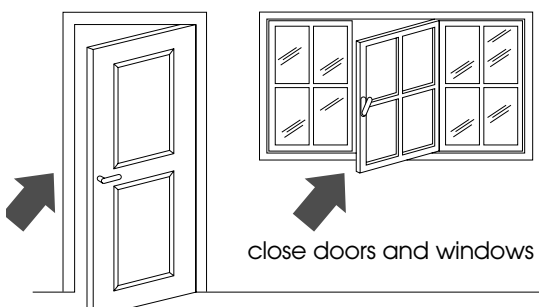
**B.** If the dust filter is sufficient:  
Remove the permanent washable filter from the filter housing and set it aside.



## RECOMMENDATIONS

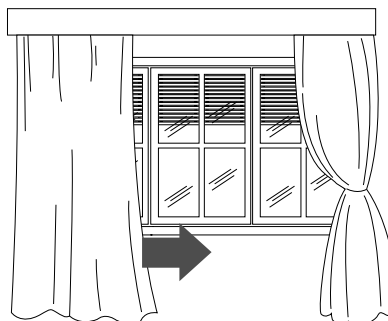
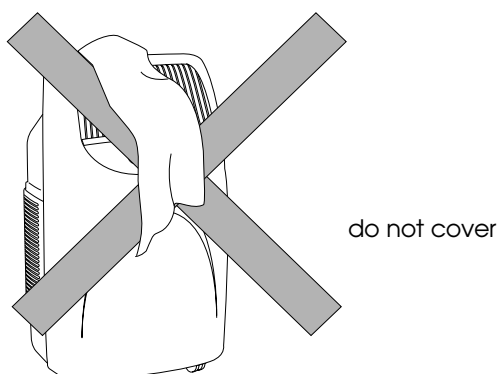
Follow these recommendations to achieve maximum efficiency from your air conditioning unit:

- 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 maximize energy savings.
- Do not rest objects on the air conditioning unit.
- Do not obstruct the air intake **7** or outlet **1**.
- Make sure there are no heat sources in the room.
- Do not use outdoors.



lower the blinds or draw the curtains

- Make sure the unit is located on a **level** floor. If necessary, place the two blocking devices **28** under the front wheels.

Before cleaning or maintaining the unit, always turn the unit off by releasing the ON/OFF button **11** and unplug from the outlet.

## 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

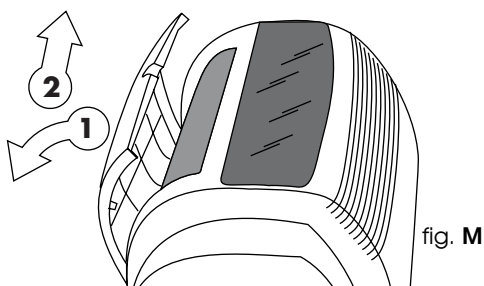
### Permanent washable filter

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

In order to maintain the effectiveness of your air conditioner over time, remember to clean the permanent washable filter every week.

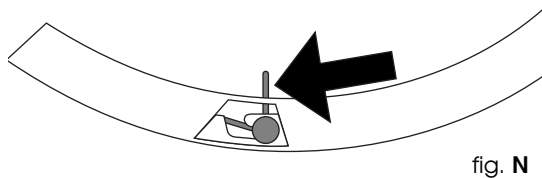
1. Remove the grille **7**, (see fig. **M**);
2. Remove the filter holder housing by detaching it from the external grille. To detach it, press on the two wings found on the side of the filter holder (see fig. **N**)

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.



### Electrostatic filter

Clean the external side of the electrostatic filter once a week. Use a vacuum cleaner at an intermediate power level. Never clean the inside of the filter. Replace the electrostatic filter at the end of each season if it is no longer effective. The electrostatic filter can be purchased in the store as an accessory or at an authorized Delonghi Service Center as a replacement part. Alternatively, the permanent washable filter included with the appliance may be used in place of the electrostatic filter.

### CLEANING THE RESERVOIR **4**

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 **3** and remove the tank **5**.
- Remove the stopper from the drainage hose **9** 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 cord and outlet are undamaged and that the ground installation is efficient. Carefully observe the installation instructions.

### RECOMMENDED OPERATIONS TO PERFORM AT THE END OF THE SEASON

- 1) Proceed with descaling procedures (see page 13).
- 2) Remove the water from the collection reservoir **4**.
- 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 drainage hose **9**.
- 6) Clean the filter and dry it thoroughly before replacing it in the appliance.
- 7) Cover the appliance so that dust does not build up.

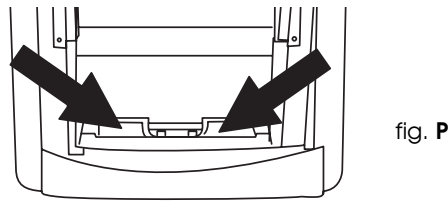
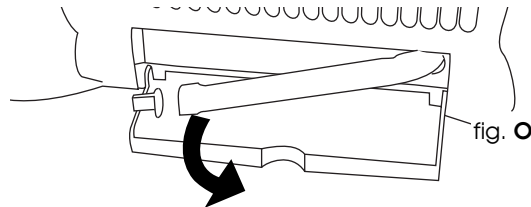
When the scale deposits become excessive (on average, after about 400 hours of operation) or at least once each season, it is very important to proceed with the decalcification of the appliance as described below.

To remove the scale from the appliance, you need:

- 25% of descaling liquid [29]
- 75% of clean water

Proceed as follows:

- 1) Remove the tank [5] from the appliance and drain the water remaining in the collection reservoir [4] by using the drainage hose [9] (fig. O).
- 2) Close the drainage hose [9]. Pour 450 ml of decalcifying liquid and 1/2 gallon of clean water into the collection reservoir [4] which is found under the tank (fig. P), on the bottom of the appliance.
- 3) Operate the air conditioner for about half an hour.
- 4) After this, drain out all of the liquid remaining in the collection reservoir and rinse thoroughly (fig. O). During the rinsing process, the drainage hose must be open and the appliance functioning.
- 5) Unplug the appliance from the outlet 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.

REQUEST ADDITIONAL QUANTITIES OF DECALCIFYING LIQUID FROM DE' LONGHI AMERICA, INC.  
Telephone n°. 1- 800- 322- 3848.

#### 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/Technical specification

If the unit is not working properly, this may be due to small problems check you can easily resolve yourself. Follow these instructions carefully before contacting your local Authorized Delonghi Technical Service Center.

PROBLEM	CAUSE	SOLUTION
The air conditioner is completely turned off	<ul style="list-style-type: none"> <li>It is not plugged in</li> <li>There is no electricity</li> </ul>	<ul style="list-style-type: none"> <li>plug in</li> </ul>
The air conditioner is on (signal light <b>10</b> ) but the appliance doesn't start	<ul style="list-style-type: none"> <li>The notches of the timer are in the rest mode</li> </ul>	<ul style="list-style-type: none"> <li>Proceed with a new timer setting.</li> </ul>
The unit works but does not cool the room	<ul style="list-style-type: none"> <li>Three minutes have not passed since it was turned on</li> <li>Windows open</li> <li>A heat source is operating in the room (burner, light, etc.) or there are a lot of people</li> <li>The air outlet hose has detached from the coupling</li> <li>Thermostat adjusted too high</li> <li>Air filters clogged</li> <li>The output of the unit is insufficient for the conditions or size of the room</li> </ul>	<ul style="list-style-type: none"> <li>Wait three minutes (safety device) and the appliance should start cooling.</li> <li>Close the windows</li> <li>Eliminate heat sources</li> <li>Fit the hose in the coupling</li> <li>Lower the thermostat</li> <li>Clean/replace filters</li> </ul>
The unit works for only a short time	<ul style="list-style-type: none"> <li>There is a kink in the exhaust hose</li> <li>The exhaust hose is blocked</li> <li>There are too many curves in the outlet tube</li> <li>The fan is blocked</li> </ul>	<ul style="list-style-type: none"> <li>Position the exhaust hose correctly</li> <li>Check that there are no blockages preventing the discharge of air to the outside</li> <li>Rearrange the hose correctly</li> <li>Contact the De'Longhi Service Center</li> </ul>

## RECOMMENDED OPERATING CONDITIONS

Room temperature 70°F -90°F (21 ÷ 32°C)

## TECHNICAL SPECIFICATION

Power supply see rating plate

Max. absorbed power in air conditioning "

Refrigerating capacity "

Refrigerant "

Number of fan speeds 2

Max. air flow . 370 m3/h

Dimensions:

• width	580 mm	22 <sup>21</sup> / <sub>64</sub> "
• height	785 mm	30 <sup>13</sup> / <sub>32</sub> "
• depth	435 mm	17 <sup>1</sup> / <sub>8</sub> "

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, take the air conditioning unit to a special collection Delonghi center.

**DeLonghi****LIMITED WARRANTY**

We warrant each DE'LONGHI AIR-CONDITIONER to be free from defects in material and workmanship. Our obligation under this warranty is to provide one year parts and labor free from purchase date, with an additional four (4) years on any part of the sealed system consisting of the compressor, evaporator, condenser and factory connected refrigerant tubing. This warranty shall apply only if the AIR-CONDITIONER is used in accordance with the factory directions which accompany it, and on Alternatign Current (AC) circuit. This warranty is in lieu of all other warranties and representations, expressed or implied, and all other obligations or liabilities on our part. We do not authorize any other person or company to assume for us any liability in connection with the sale or use of our AIR-CONDITIONER. This warranty shall not apply to assume for us any liability in connection with the sale or use of our AIR-CONDITIONER. This warranty shall not apply to any AIR-CONDITIONER which shall have been repaired or altered outside our factory nor shall it apply to any AIR-CONDITIONER which has been subjected to misuse, negligence or accidents.

If repairs become necessary or spare parts are needed, please write to:

**De'Longhi America Inc.**

Park 80 West Plaza One 4th floor

Saddle Brook, NJ 07663

or call Service Tel. No. 1-888-335-6644

## FOR CANADA ONLY:

**DeLonghi****GARANTIE**

Nous garantissons que tous les appareils électriques DE'LONGHI sont exempts de tout défaut de matériaux et de manufacture. Notre obligation sous cette garantie est limitée au remplacement ou à la réparation, gratuit en notre usine, de toutes les pièces défectueuses autres que les pièces endommagées durant le transport, qui nous seront retournées - transport payé d'avance - endéans un an après la livraison à l'acheteur-utilisateur. Cette garantie ne sera applicable que si l'appareil a été utilisé selon les instructions du fabricant qui accompagnent l'appareil, et sur courant alternatif (AC). Cette garantie remplace toutes autres garanties et représentations, exprimées ou implicites, et toutes autres obligations ou responsabilités de notre part. Nous n'autorisons aucune autre personne ou compagnie à assumer pour nous une quelconque responsabilité en relation avec la vente ou l'utilisation de nos appareils. Cette garantie ne s'appliquera ni aux appareils qui seront réparés ou endommagés hors de notre usine, ni aux appareils qui auront été sujets à une mauvaise utilisation, à une négligence ou à un accident.

Si des réparations ou des pièces de rechange sont nécessaires, vous êtes priés d'écrire à:

**SERVICE**

PH. N° (905) 238-1313

**DE'LONGHI CANADA**

1040 RONSA COURT

**L4W 3Y4 CANADA**