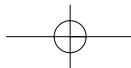


Pinguino

F 14

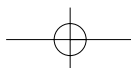
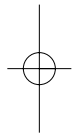
Use and maintenance manual

DeLonghi

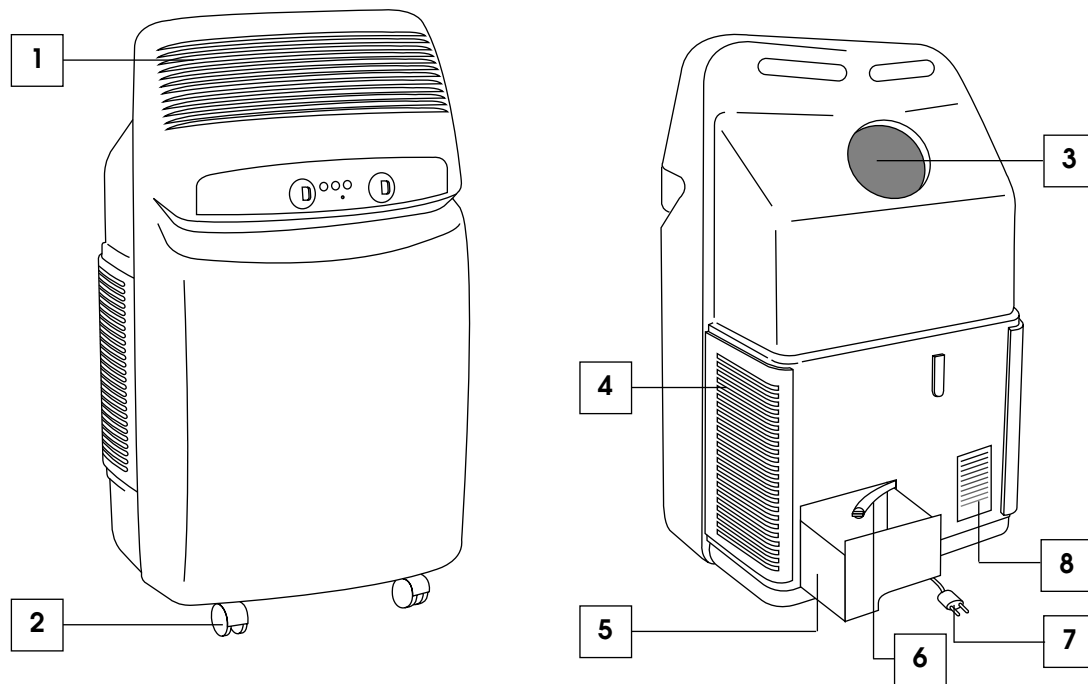


Dear Customer,

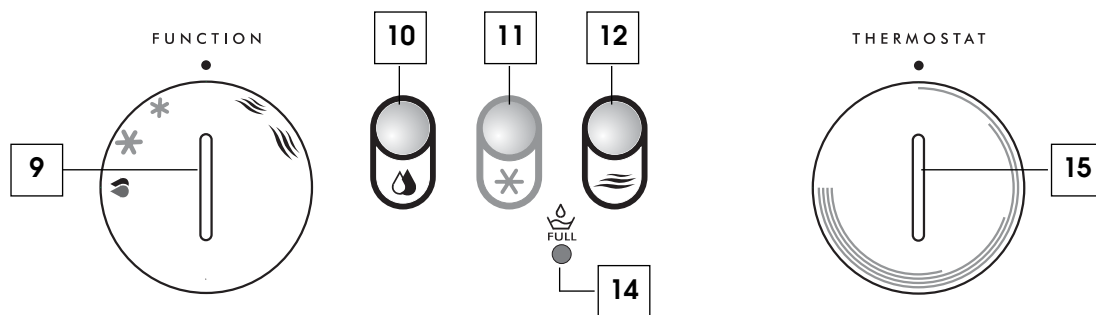
Thank you for having purchased an appliance made by De' Longhi, the international leader in portable air conditioning units. Thanks to our years of experience all around the world we are constantly improving the quality and performance of Pinguino. We are confident that you will be satisfied with your purchase and enjoy the cool comfort created by the Pinguino for many years to come. You should spend some time reading this instruction manual and keep it handy to refer to in order to use your Pinguino efficiently.



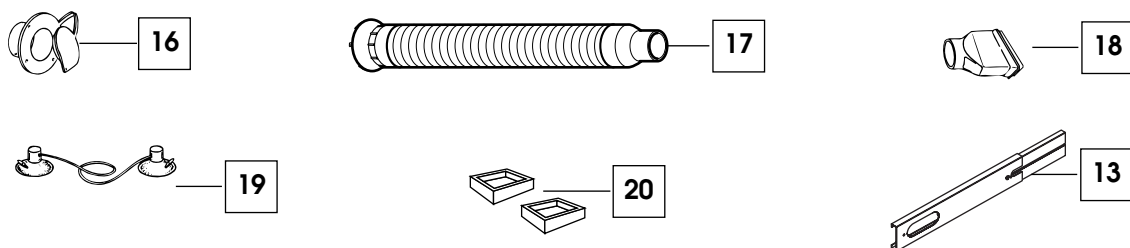
Description



CONTROL PANEL



ACCESSORY-SET



How does your pinguino work

During the summer, optimum comfort is achieved with a temperature of around 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 fitted models is that they can be moved from one room to another in the home or even transferred between different buildings.

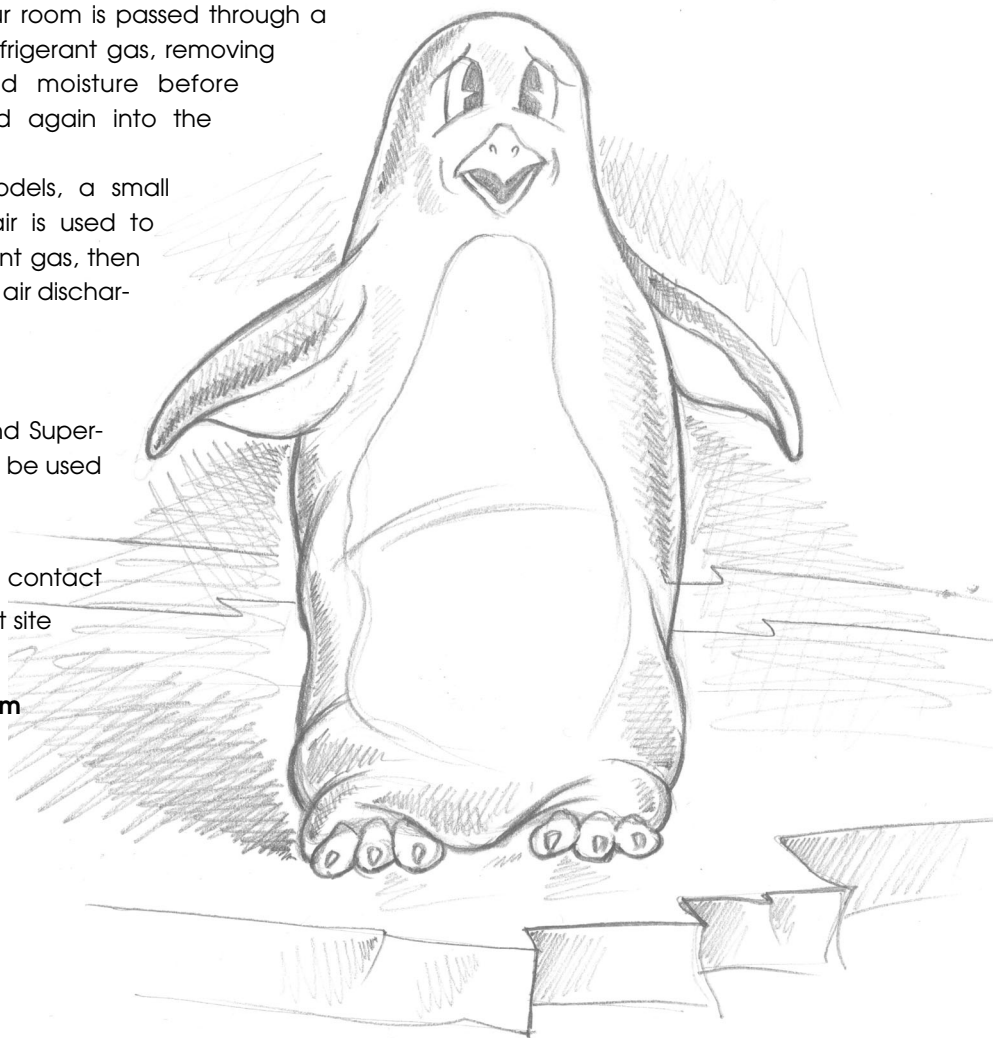
The hot air in your room is passed through a coil cooled by refrigerant gas, removing excess heat and moisture before being discharged again into the room.

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

Each Pinguino and Super-Pinguino can also be used as a fan only.

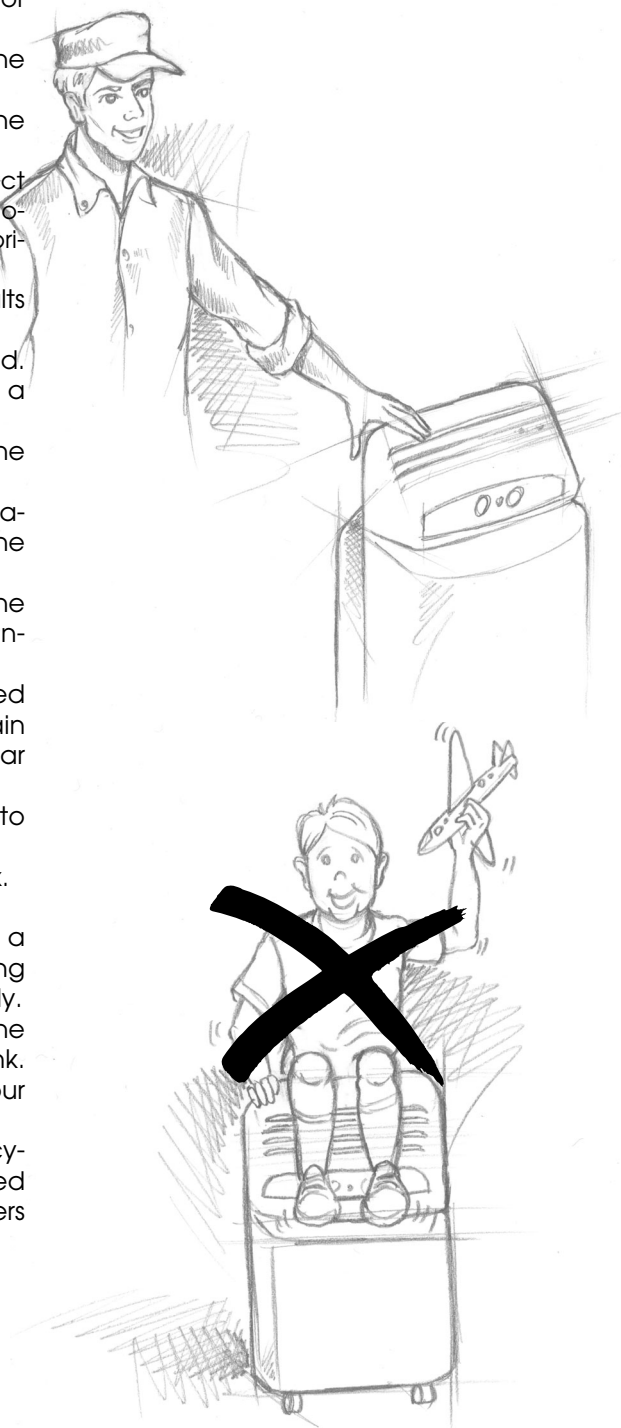
For more details, contact
or visit our Internet site

www.delonghi.com



Important Safe-guards

- 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.
- Should repairs be necessary, contact Parex Industries Ltd for your nearest authorised De'Longhi Service Agent. Unauthorised servicing can be dangerous.
- This appliance is to be used by adults only; keep away from children.
- 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.
- Do not rest hot or heavy objects onto the appliance.
- Clean the filters at least once a week.
- Avoid using heaters near the unit.
- If the unit cannot be transported in a vertical position, anchor it to a sloping surface. Avoid positioning 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.



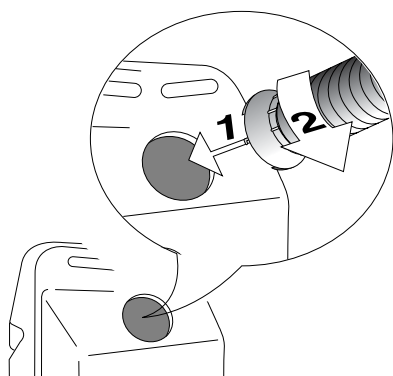
Setting up

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

FOR INSTANT TEMPORARY USAGE

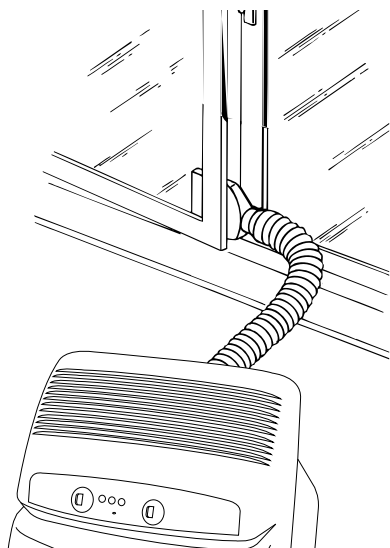
With just a few simple operations, Pinguino will restore comfortable conditions in your room:

- Fix the air exhaust hose **17** to the coupling **3** on the back of the unit as shown in figure A.



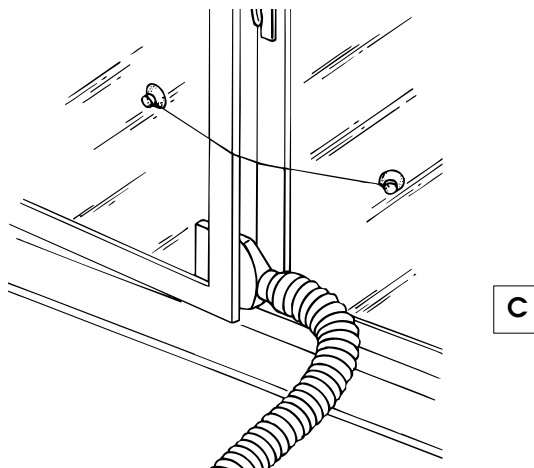
A

- Fix the window attachment **18** to the end of the hose **17**.
- Place the unit near a window, French window or door.
- Open the window, French window or door slightly and place the window attachment **18** as shown in figure B.



B

- With a double casement window, use the suckers **19** provided to hold the two halves of the window together (fig. C).

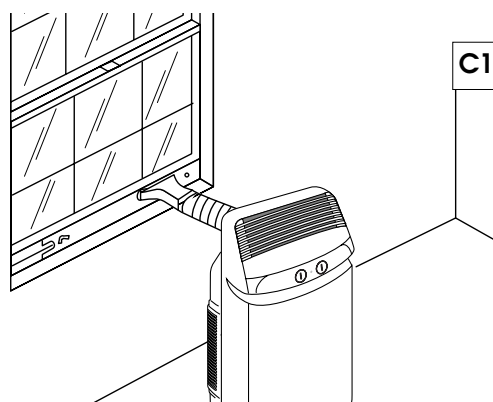


C

For optimum results:

- *If you have a sash window*, place the bracket **13** on the window sill, extend the bracket fully within the window frame, fix the bracket by turning the wing nut and lower the window onto the bracket. Insert the window attachment **18** of the exhaust hose **17** into the slot, then connect the hose to the air conditioner (fig. C1).

Thanks to the wing nut, 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 the following instructions).

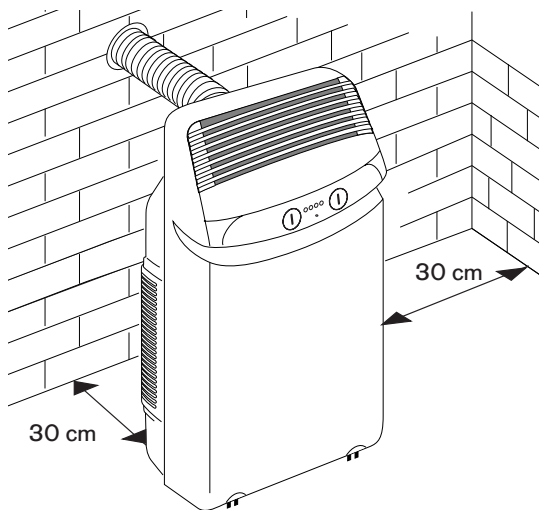


C1

Setting up

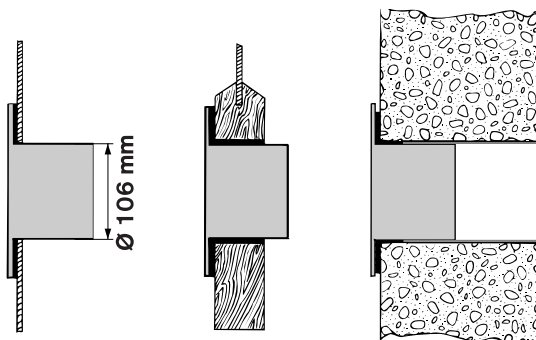
AIR CONDITIONING WITH INSTALLATION

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



To install, proceed as follows:

- Make a hole in an outside wall or through the pane of a window. Check the height and dimensions given in figure D



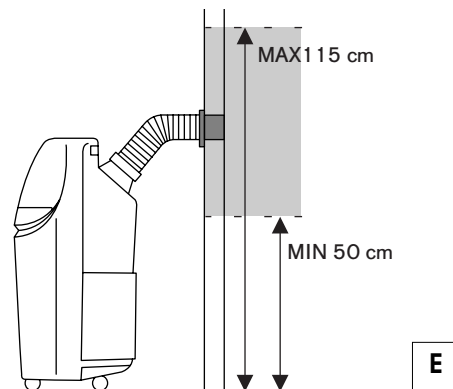
in a window pane

in the wood sill of a window

in the wall: for optimum results, insulate the section of the wall with suitable insulating material.

D

- Fit the flange 16 supplied to the hole.
- Fix the hose 17 to the coupling on the back of the unit (figure A).
- Attach the end of the tube 17 to the flange 16 as shown in the figure E.



E

When the hose 17 is not attached, close the hole with the bung on the flange 16.

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.

DEHUMIDIFICATION

Position the appliance in the room without inserting the hose; in this way the dehumidified air will exhaust directly into the room.

Turning on and Selecting functions

ELECTRICAL CONNECTION

Before inserting the plug **7** check that:

- the mains supply corresponds to the power supply shown on the rating plate;
- 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 earthed. **The manufacturer 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.

AIR CONDITIONING FUNCTIONS

With the unit turned off, the function selector **9** is in the "●" position. To turn the unit on in air conditioning mode, proceed as follows:

1. Rotate the function selector knob clockwise:

- Place the large crystal symbol  in line with the reference mark to operate the unit in air conditioning mode at maximum fan speed.
- Place the small crystal symbol  in line with the reference mark to operate the unit in air conditioning mode at minimum fan speed.

2. Now set the required temperature by rotating the room thermostat knob **15**.

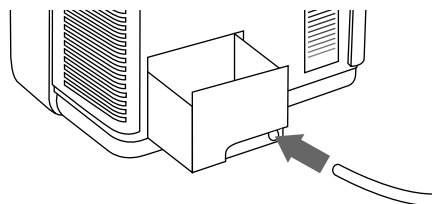
Note

The temperature is not expressed in degrees. We therefore recommend rotating the room thermostat dial to the maximum cool position. When room temperature has reached the required level, rotate the thermostat dial **SLOWLY** clockwise until the thermostat is activated, turning the unit off. This programs the unit to the precise level of comfort required which will then be automatically maintained by the thermostat with considerable energy savings. When regulating the thermostat, the air conditioning function is temporarily interrupted and the unit continues to operate in fan only mode.

Note: cool air is discharged from grill **1 only after a delay of three to five minutes.**

THIS UNIT EMPLOYS AN EXCLUSIVE CONDENSATION RECYCLING SYSTEM TO DISPOSE OF EXCESS MOISTURE. IN NORMAL CONDITIONS, CONDENSATION IS DISPOSED OF AUTOMATICALLY. WHEN THE HUMIDITY IS PARTICULARLY HIGH, AN EXCESS OF CONDENSATION MAY BUILT UP IN THE TANK **5. WHEN THIS HAPPENS, THE INDICATOR LIGHT  **14** COMES ON INDICATING THAT THE TANK SHOULD BE EMPTIED. ONLY FOR SOME MODEL: WHENEVER CONDITIONS OF HIGH HUMIDITY MAKE THE PROBLEM RECURRENT, YOU MAY DISCHARGE THE EXCESS WATER DIRECTLY INTO A DRAIN, USING A RUBBER TUBE WITH AN INTERNAL DIAMETER OF 12 MM; THE TUBE SHOULD BE INSERTED INTO THE HOLE PROVIDED, AFTER HAVING REMOVED THE RUBBER STOPPER. (see figure below).**

MAKE SURE THE TANK IS PUT BACK CORRECTLY OTHERWISE THE LIGHT **14 WILL REMAIN ON.**



AIR PURIFICATION WITH FAN

Your air conditioning unit has two special high efficiency electrostatic filters. These filters, active in all modes, filter out extremely fine particles (down to 0.3 thousands of a millimetre).

If you want to purify the air by ventilating the room only, rotate the function selector **9** anticlockwise.

- Place the large symbol  in line with the reference mark to operate the unit in air purification mode at maximum fan speed.
- Place the small symbol  in line with the reference mark to operate the unit in air purification mode at minimum fan speed.

Functions/Warning lights

HOW TO DEHUMIDIFY

When the appliance is working as an air conditioner, it automatically reduces the excess humidity in the air present in the room. This is eliminated through the exhaust tube **6**.

Only for some models: If only the elimination of the excess humidity in the room is desired without lowering the temperature, simply turn the function selector **9** knob in a counter clockwise direction until the  symbol is reached.

Note

In the dehumidifying mode, air colder than the room temperature will exhaust from the air exhaust grill **1**. Conversely, air warmer than room temperature will be exhausted from the accommodation tube **3** on the back side of the appliance.

TURN THE APPLIANCE OFF

TO TURN THE UNIT OFF COMPLETELY, SET THE FUNCTION SELECTOR TO THE "●" POSITION AND UNPLUG FROM THE MAINS

THE LEDS

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

FUNCTION	LED  10	LED  11	LED  12
OFF	-	-	-
AIR-CONDITIONING	on*	on*	on
DEHUMIDIFYING	on**	-	on
PURIFYING	-	-	on

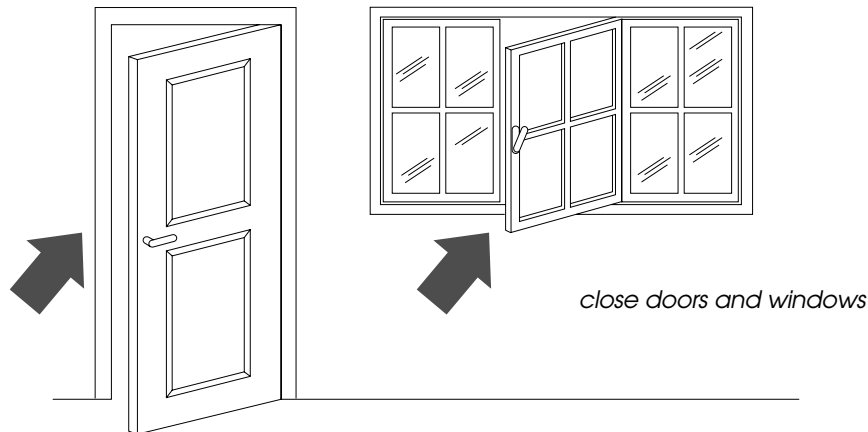
* The leds will light up 3 minutes after the machine is turned on (that is, when the appliance starts cooling). They will turn off when the temperature set by the thermostat is reached.

** When in the dehumidifying mode, the appliance operates continuously. If the temperature is too low, the anti-freeze thermostat intervenes, interrupting the operation.

Recommendations

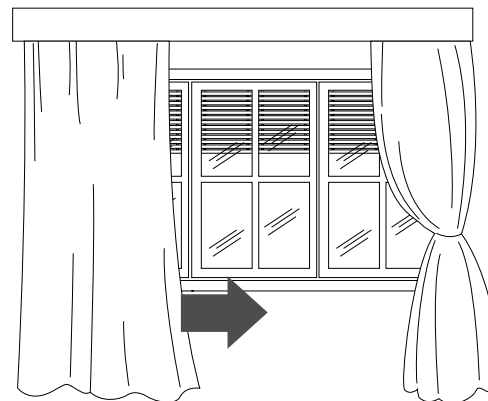
Follow these recommendations to achieve maximum efficiency from your air conditioning unit:

- 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
- Do not install the appliance in humid environments.
- Do not use the appliance outdoors.



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 **4** or outlet **1**.
- Make sure there are no heat sources in the room.



lower the blinds or draw the curtains

- Make sure the unit is located on a **level** floor. If necessary, place the two blocking devices **20** under the front wheels **2**.

Cleaning

Before cleaning or maintaining the unit, always turn the unit off by placing the selector in the “●” position and unplugging from the mains socket.

CLEANING THE UNIT

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

Precautions

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

CLEANING THE AIR FILTERS.

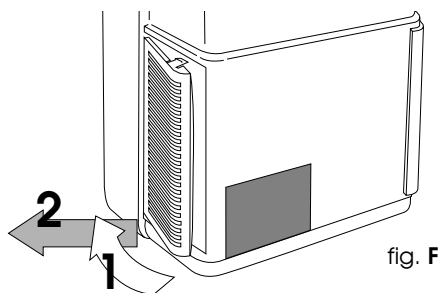
To maintain the air conditioning unit at peak efficiency, you are recommended to:

1. Clean the anti-dust filter weekly.
2. Replace the air purification filters at the end of each season or when spent (follow the instructions on the unit near the filter).

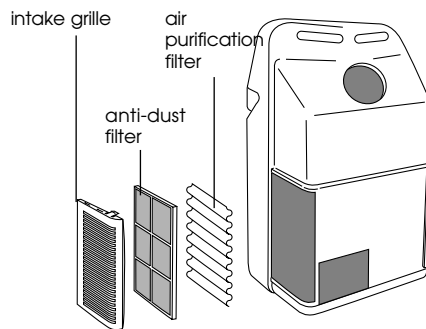
The filters are located behind the two intake grilles. The grilles in fact house the filters themselves.

To clean the filters:

1. Remove the intake grilles on either side of the appliance by rotating them outwards (Fig. F).



2. Remove the first air purification filter (white).
3. Remove the filter holder holding the anti-dust filter by unhooking it from the intake grill.



To remove dust deposited on the anti-dust filter, use a vacuum cleaner. If very dirty, rinse repeatedly in warm water at a temperature of not more than 40°C.

After washing, dry the filter. To replace, put the filters back into the intake grille, then hook the latter to the unit.

END OF SEASON OPERATIONS

Take out the condensation basin located inside the unit and empty it.

Empty the residual water by removing the bung in the drainage tube **6**.

After replacing the bung, put the condensation tank back **5**.

Clean the anti-dust filters and dry well before replacing.

Protect the unit from dust by covering with a plastic bag.

START OF SEASON CHECKS

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

Troubleshooting

PROBLEMS	CAUSES	SOLUTIONS
The air conditioner doesn't work	- the power is off - the plug is not inserted into the electrical outlet - the fan is blocked - the safety float was triggered	- wait - plug in the appliance - call the Service Centre - empty the tank
The air conditioner works for a short time only	- the exhaust hose is twisted - the exhaust tube is blocked - the drain tube is bent	- position exhaust hose correctly - check if there are obstacles blocking the exhaust of air out of the appliance - unbend the hose
The air conditioner works but doesn't 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 exhaust hose has come out of place - 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 - reinsert the those into its place - clean the filter or replace
Strange odour in the room	air filters dirty	clean the filter or replace it
Leaking condensation from the appliance	- condensation collection tank is full - incorrect installation of the appliance	- empty the tank and drain the water with the drainage tube found on the back side of the appliance - see page 6 to properly install the appliance
The air conditioner doesn't work for about 3 minutes from turning on the appliance	the appliance's safety system has intervened	wait for 3 minutes
The warning light 14 is on	condensation collection tank is full	Empty the tank. If the light is still on, consult the Service Centre

Technical specification

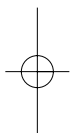
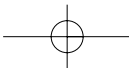
RECOMMENDED OPERATING CONDITIONS

Room temperature	21 ÷ 32°C
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TECHNICAL SPECIFICATION

Power supply	see rating plate	8
Max. absorbed power in air conditioning	"	
Max. absorbed power when dehumidifying	"	
Max. absorbed power when heating (mod. F15)	"	
Refrigerating capacity*	"	
Number of fan speeds		2
Max. air flow .		360 m ³ /h
Dimensions of internal unit:		
• width		452 mm
• height		800 mm
• depth		415 mm
• weight		33,5 kg
* Standard conditions:		ASHRAE 128

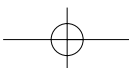
This appliance contains substances which, if released into the atmosphere, would damage the ozone layer. Care should therefore be taken not to perforate the refrigerant circuit. At the end of its working life, delivery the air conditioning unit to a special collection centre.

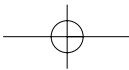


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