

DH 100 P

Always Dry dehumidifier

with

Condensation Removal System

DēLonghi

IMPORTANT SAFEGUARD

Read all instructions before using this dehumidifier. To reduce the risk of fire, electric shock, or injury to persons when using your dehumidifier follow basic safety precautions, including the following:

- 1) Do not store or use gasoline, oil, sulphur or other flammable vapors and liquids in the vicinity of this or any other appliance. Do not install the appliance near source of heat. Read product labels carefully. Common sense and caution must be used when installing, operating and maintaining any appliance.
- 2) This appliance must be used by adults only. Do not allow children to play with the appliance. Do not leave children unattended in an area where the appliance is operating. Do not allow them to sit or stand on the appliance.
- 3) This appliance is designed to dehumidify domestic living areas, and must not be used for other purposes. It must be operated in an enclosed area to be most effective. Close all doors, windows, and other outside openings to the room.
- 4) The appliance must not be modified in any way, as any modifications may be extremely dangerous.
- 5) Do not operate any appliance with a damaged cord or plug or after the appliance malfunctions, or has been damaged in any manner. Return appliance to the nearest authorized service facility for examination, repair or adjustment.
- 6) The use of accessory attachments not recommended by the appliance manufacturer may cause injuries.
- 7) Do not use outdoors.
- 8) For your safety and protection, this dehumidifier is equipped with a three prong grounding plug on the power cord. **Do not, under any circumstances, cut or remove the round grounding prong from the plug.**
- 9) Your dehumidifier must plug directly into a properly grounded and polarized three-prong receptacle. If the wall receptacle will not accept a three prong plug, or if you are not sure the outlet is adequately grounded or protected by a time delay fuse or circuit breaker, have a qualified electrician install the proper outlet. **Do not use an extension cord or an adapter plug.**
- 10) Never unplug the dehumidifier by pulling on the power cord. Always grip the plug firmly and pull straight out from the receptacle. Do not pinch, bend, or knot the power cord.
- 11) Always remove the plug from the socket before performing cleaning or maintenance operations and when not in use.
- 12) Do not place heavy or hot objects on the top of the appliance.
- 13) Clean the air filter at least once a week.
- 14) The appliance must always remain upright or laid on one side during transportation. Remember to drain the canister before transporting the appliance.
- 15) **After transporting the appliance, wait 24 hours before using it.**

THIS PRODUCT IS FOR HOUSEHOLD USE ONLY SAVE THESE INSTRUCTIONS

SHORT CORD INSTRUCTIONS

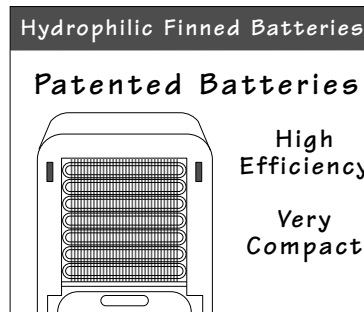
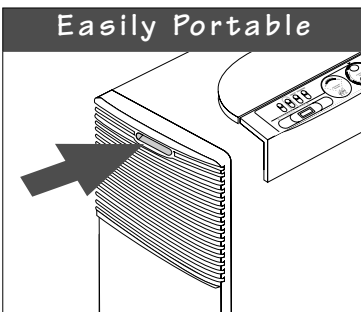
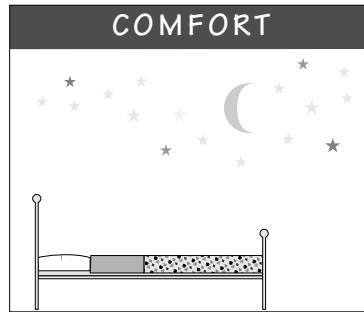
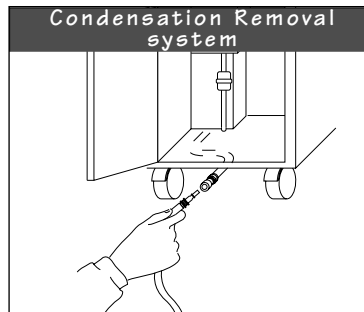
- A short power cord is provided to reduce risks resulting from becoming entangled in or tripping over a longer cord.
- Longer, detachable power supply cords or extension cords are available and may be used if care is exercised in their use.
- If an extension cord is used, the marked electrical rating should be at least as great as the electrical rating of the appliance. If the appliance is provided with 3- wire, grounding type cord, the extension should be a GROUNDING TYPE 3 - WIRE CORD. The longer cord should be arranged so that it will not drape over the counter-top or table top where it can be pulled on by children or tripped over.
- Your product is equipped with a polarized alternating current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

Presentation

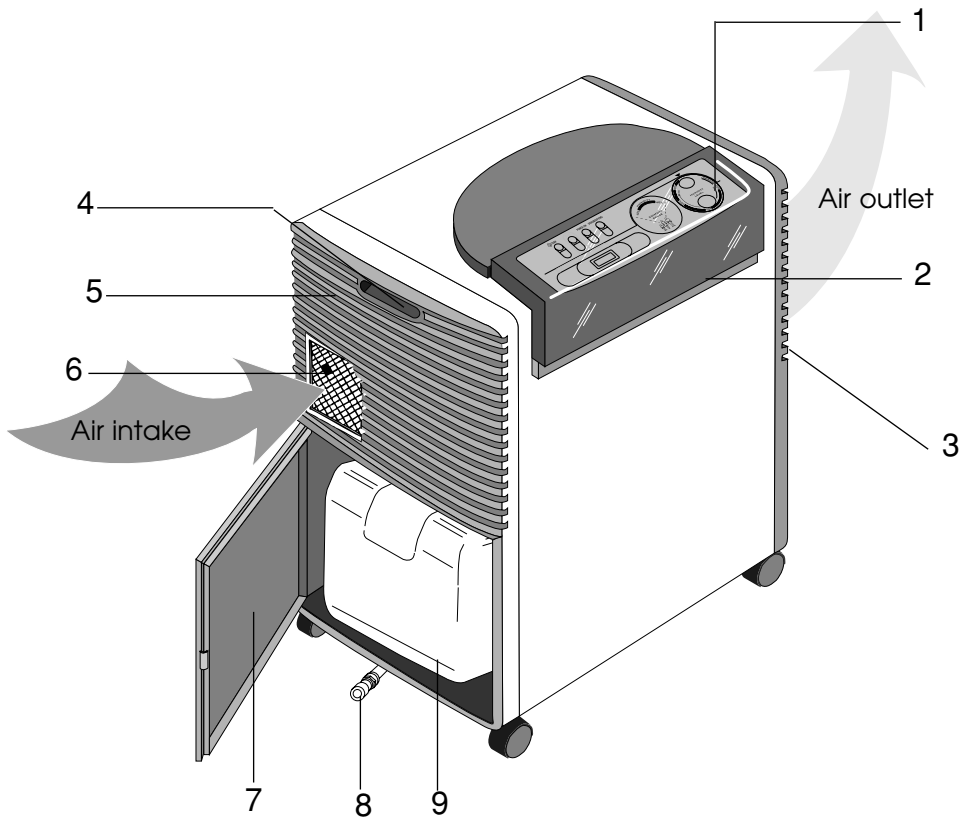
Read this instruction booklet carefully before installing and using the appliance. In this way, you will obtain the best possible results and maximum operating safety.

The dehumidifier removes humidity from the air in the areas in which it is installed. The appliance is compact and equipped with wheels and side carry handles which facilitate its movement.

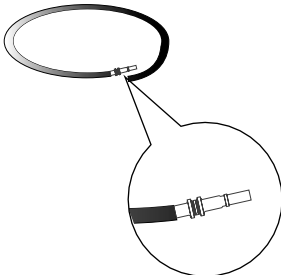
This appliance is recommended for all rooms in which excessive humidity is liable to build up, e.g. basements, kitchens, laundry rooms, cellars etc.



Description/Accessories



- | | |
|----------------------|-----------------------------------|
| 1. Control panel | 6. Air filter |
| 2. Control panel lid | 7. Tank access door |
| 3. Air outlet grille | 8. Continuous drainage connection |
| 4. Side carry handle | 9. Tank |
| 5. Air intake grille | |

Accessory	Description	No. provided
	condensation discharge hose with snap connector	1 16" (490 cm)

Technical characteristics/ Important

Technical characteristics

Coolant	R22
Humidistat	yes
Capacity of tank	1.32 gallons (6 liters)
Operating limits:	
• temperature	64° - 90 °F
• relative humidity	40 - 95 %

Standard operating conditions: 80°F - 60% RH

As far as other technical characteristics are concerned, please see rating label behind the tank.

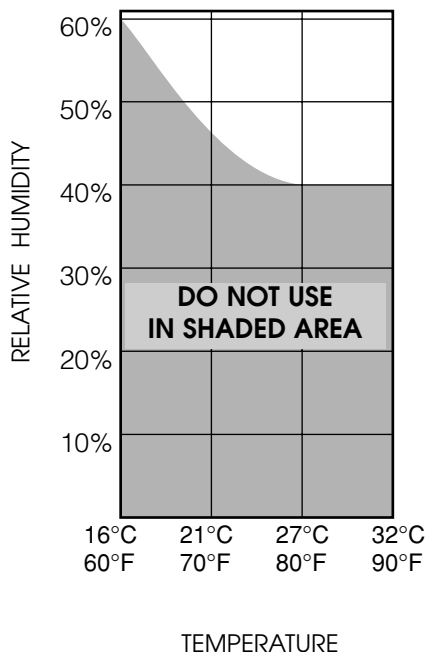
When to use your dehumidifier

This dehumidifier is designed to bring humidity level within a comfort zone (from 40% to 60% relative humidity. This is the mid range of the humidostat setting).

The chart (shaded area) indicates when a dehumidifier should not be used since the humidity level is low enough.

Operating a dehumidifier under the conditions shown in the shaded area may cause frosting or icing-up of the coils which will prevent the collection of any moisture.

Experts have established that optimal atmospheric conditions, both for physical health and the preservation of furniture and other items, vary between 45% and 60% relative humidity. It is therefore advisable to keep rooms within these values.



Caution

Before operating unit check that float is suspended freely inside the tank

Installation

Place the dehumidifier in a suitable position, a hallway or landing are generally good sites. The appliance must be positioned so that the air intake and air outlet grills are at least 20 inches away from any wall or obstacle to ensure adequate ventilation. Condensate can be drained in one of two ways:

A) Discharge into the tank

Your unit is supplied with a tank, which is positioned on the left side (Fig. 1) of the unit to accumulate water removed from the air. The condensate generated by the dehumidifier can be discharged directly into the tank. The tank is easy to extract when it needs to be emptied without spilling.

Note: make sure the tank is in position and the pump switch is in the OFF position

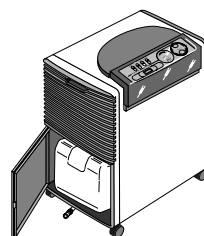


fig. 1

IMPORTANT: The water collected is not drinkable. Please throw it away.

B) Direct draining

The exclusive Condensation Removal System, allow you to use a hose that extends 16 feet (4.9 m) in height to drain the water. If you want the water to flow directly to a drain, connect the condensation discharge tube supplied to the connection pipe located on the lower part of the unit (Fig.2-3). Turn then the pump switch to ON.

Note: With the condensation discharge hose missing and the pump switched ON, a safety device will make the machine discharge directly into the tank.

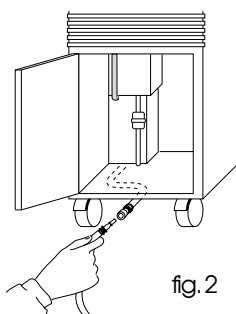


fig. 2

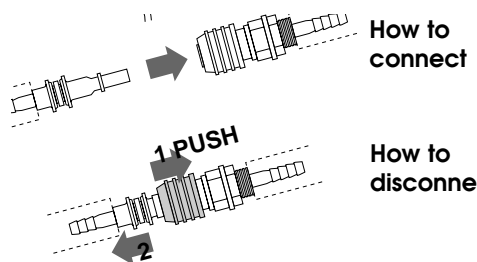


fig. 3

Note: It is possible to install the unit permanently and have the hose passing through an opening or window. Create a hole with a drill bit 0.035 inches (9mm) in size. At the end of the season, the hole can be covered with a plastic or rubber stopper.

Electrical connections/ Description of controls

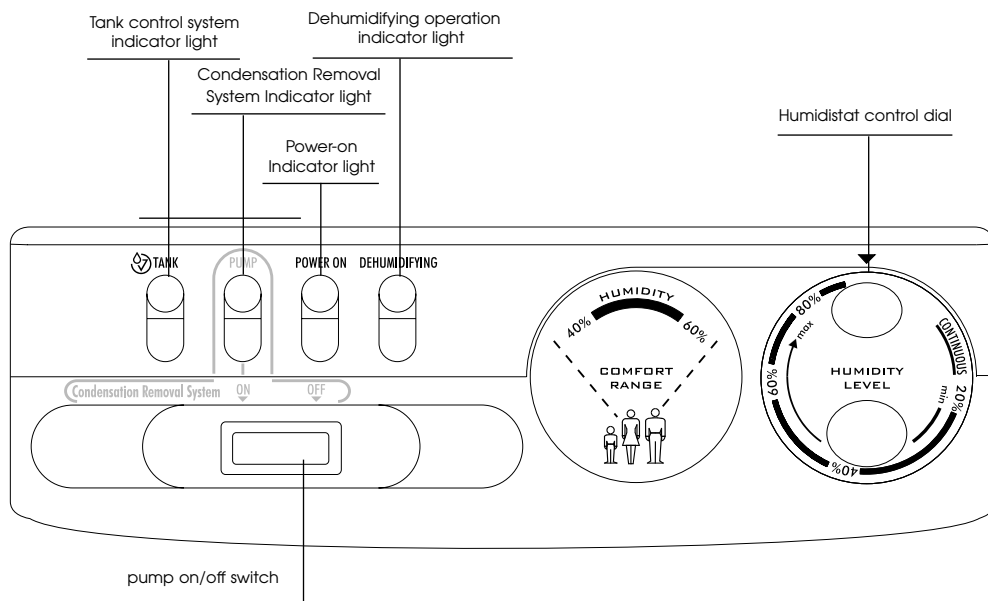
Electrical connections

Before connecting the appliance to the power outlet make sure you read all the safety instructions and check the following:

- The main power supply must correspond to the power supply shown on the rating plate.
- The power socket and the electrical circuit must be adequate to supply the appliance.
- The power socket must match the plug. If not, have the plug replaced by qualified personnel.
- The power socket must be adequately earthed.

The manufacturer accepts no responsibility if these safety regulations are not complied with.

Description of controls



Tank control system

This dehumidifier is fitted with a special intelligent device to ensure correct operation. A red indicator light on the control panel comes on to warn the user when:

1. the tank is full *empty the tank*
2. the tank is missing *replace the tank*
3. the tank is in the wrong position *position the tank correctly*
4. in continuous drain: the hose is obstructed or the difference in level is too high *remove the obstruction or reduce different in level.*

Once the cause has been eliminated, the light goes out and the appliance resumes operation.

Selecting operating modes

How to dehumidify

1. Plug the appliance into the power outlet. The "POWER ON" light will illuminate.
2. Check that the "TANK ON" light is OFF.
3. Turn the humidistat control dial to the desired range or to "CONTINUOUS" for continuous operation. The Dehumidifying light will turn on.
4. In order to switch off the appliance, turn the humidistat counter clockwise to the end and unplug from the power outlet.

If you want to discharge the condensate directly into the tank, please check the pump switch is OFF. (See page 5 for details).

When the humidity in the room has reached the required level, slowly turn the humidistat knob counterclockwise until the dehumidifying light goes out. The dehumidifier will then keep the humidity in the room at the selected level automatically.

Note: When dehumidifying, the appliance not only dehumidifies but also slightly warms the air (2-4°F / 1-2°C hotter than room temperature)

Operating conditions

A dehumidifier will not operate satisfactory if room temperature is 65°F (18°C) or lower, or if the humidity in the room is low. Under these conditions, the dehumidifier should be turned off.

A dehumidifier will not eliminate frost on window during winter. The dehumidifying coil normally operates above freezing temperatures and cannot prevent moisture from condensing on the inside of a window pane that is below freezing.

TIP: It may be helpful to use a dehumidifier in the kitchen or laundry area where the humidity is high. Reducing humidity in these areas may reduce frost on windows in other parts of the house.

Maintenance

Always remove the plug from the power outlet before performing any cleaning or maintenance operations. For safety reasons, never wash the dehumidifier using a water jet.

At the end of the season, to prevent the formation of stagnant water or dirt residues, the condensation discharge tank **A** must be drained (fig.4).

1. To eliminate the residual water, remove the hose **B** and empty the contents of the tank into a container, being careful not to wet unwanted areas.
2. Replace the hose by pushing it upwards, into the correct position.

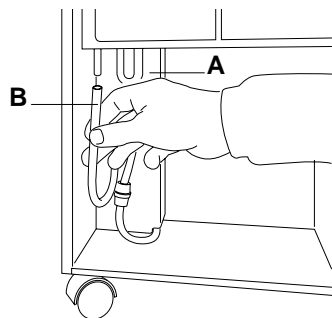


fig.4

Cleaning the cabinet

- Clean the appliance using a damp cloth then dry with a dry cloth.
- Never use alcohol or solvents to clean the appliance.
- Never spray the appliance with insecticides. These could cause the paint to flake or plastic parts to warp.

Cleaning the air filter

If the filter is dirty, air circulation is compromised and the efficiency of the dehumidifying and air purifying functions decreases. Therefore should be cleaned the filter at regular intervals. The frequency depends on the duration and conditions of operation. If the unit is used constantly or systematically, you are recommended to clean the filter once a week.

- To remove the air filter, extract by pulling it as shown in fig. 5.
- Use a vacuum cleaner to remove dust accumulations from the filter. If the filter is very dirty, wash in warm water and rinse several times. The temperature of the water should not exceed 104° F (40°C). After washing the filter, allow to dry completely before putting it back in the appliance.

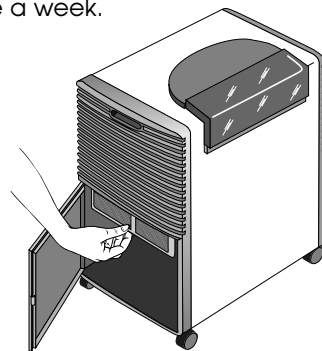


fig.5

If the appliance is not used for long periods


- Unplug from the mains outlet and empty the tank.
- Clean and reposition the filter.
- In order to protect the appliance, cover it with a plastic bag.

Begin of season checks

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

Troubleshooting

Check the following points before calling your local Technical Service Centre.

Problem	Cause	Remedy
The appliance does not work in dehumidifying mode (the power on indicator light is off)	<ul style="list-style-type: none"> •the appliance is not plugged in •there is no electricity •the humidistat is on minimum 	<ul style="list-style-type: none"> •plug into the power outlet •check the power supply •set the humidistat to the required level
The tank light  is ON	<ul style="list-style-type: none"> •the tank is full •the tank is missing •the tank is improperly positioned •the hose is obstructed or the difference in level is too high 	<ul style="list-style-type: none"> •empty the tank •replace the tank •position the tank correctly •remove the obstruction or reduce the difference in level
The appliance operates in dehumidifying mode (light on) but the humidity is not reduced	<ul style="list-style-type: none"> •filter clogged •the temperature or humidity of the home is too low •room too large •too many sources of humidity in room (boiling pots etc.) •there are windows or doors opened, so new air comes from outdoors 	<ul style="list-style-type: none"> •clean the filter •in certain conditions, it is normal for the appliance not to dehumidify (see "Technical characteristics") •check that the doors and the windows are closed.
The pump doesn't work:		Carry out the seasonal maintenance operations described on the adhesive label located on the inside of the access door 7, or in the paragraph "Maintenance".