

Brief notes on humidity

Air always contains a certain amount of water in the air in the form of water vapour. This amount of moisture is commonly known as the humidity.

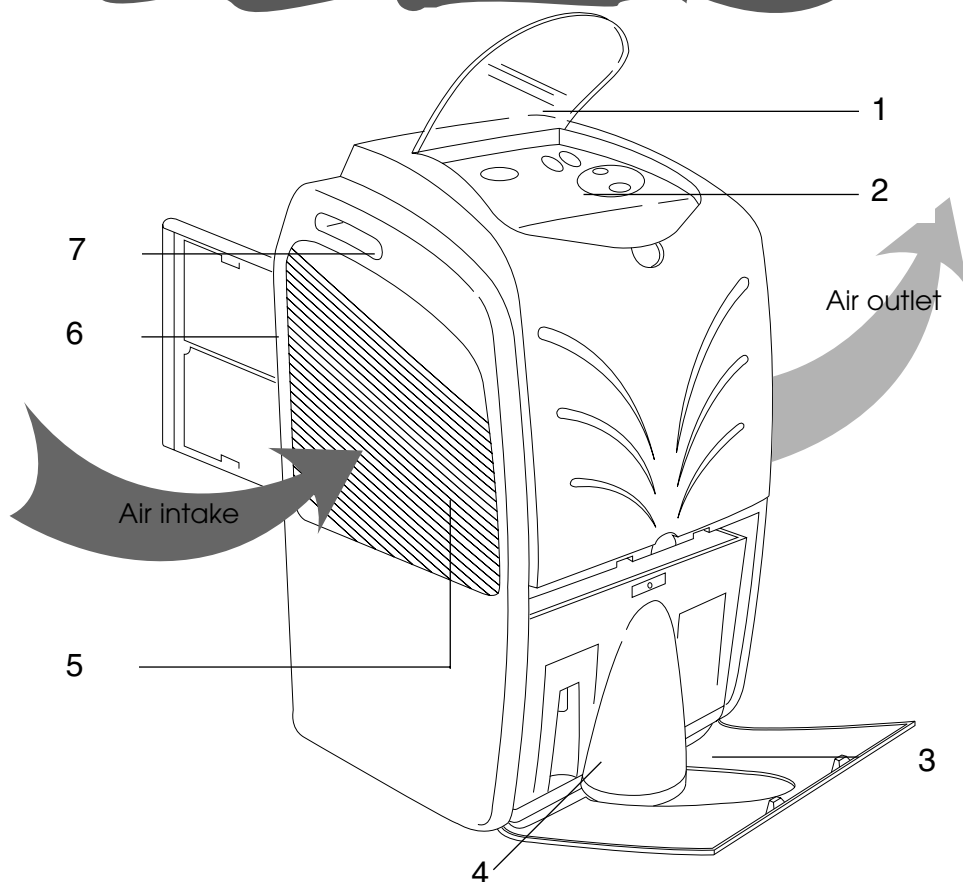
The capacity of the air to hold water vapour increases with the temperature. This is why in our homes, as soon as the temperature decreases, the vapour contained in the air condenses, as is evident on the colder surfaces in the room, such as the windows, walls etc.

The purpose of a dehumidifier is to remove the excess moisture from the air, to control condensation within the home.



Experts have established that the optimum environmental conditions for our well being and preserve objects are obtained between 40% and 60% relative humidity. Below these levels the air can feel too dry and may cause skin complaints and even static electric shocks.

If temperatures in the home are lower than 10°C for prolonged periods low level heating will be necessary to allow the condensate to evaporate into the air before dehumidification can take place. The air will however be slightly warmed by the dehumidifier as the dry air leaving the dehumidifier is about 1°C higher than normal room temperature.

Description/Accessories



- | | |
|-------------------------------|----------------------|
| 1. Control panel cover | 5. Air intake grille |
| 2. Control panel | 6. Air filter |
| 3. Canister door | 7. Lifting handle |
| 4. Condensate collection tank | |

Accessory	Description	No. provided
	condensate drain hose	1 (2 m)
	rubber bung	1

Important

- 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 is designed to dehumidify domestic rooms and must not be used for other purposes.
- In the case that the power cable becomes damaged, this must be substituted only by specialised personnel authorised by the manufacturer.
- It is dangerous to modify or alter the characteristics of the appliance in any way.
- If the appliance requires repair, always contact a Technical Service Centre authorised by the manufacturer. Always insist on original spare parts. Repairs carried out by unauthorised personnel may be dangerous and invalidate the guarantee.
- This appliance must be used exclusively by adults. Do not allow children to play with the appliance.
- The appliance must be connected to an efficient earth installation. Have your electrical circuit checked by a qualified electrician.
- Do not use extension power cables.
- Before cleaning or maintenance operations, always unplug the appliance from the mains.
- Do not move the appliance by pulling the power cable.
- Do not install the appliance in rooms containing gas, oil or sulphur. Do not install near sources of heat.
- Do not use the appliance on inclined surfaces.
- Keep the unit at least 50 cm away from inflammable substances (alcohol etc) or pressurised containers (eg. aerosol cans).
- Do not rest heavy or hot objects on top of the appliance.
- Clean the air filter regularly.
- Always transport the appliance upright or resting on one side. Remember to drain the tank before moving the appliance. Wait at least 1 hour after transporting the appliance before starting it
- R134a is a refrigerant that complies with the EEC environmental standards; nonetheless, the refrigerant circuit on the machine should not be perforated. At the end of its working life, consign the appliance to a special collection centre.
- The materials used for packaging can be recycled. You are therefore recommended to dispose of them in special differentiated waste collection containers.
- The appliance must be installed in conformity with the relevant national legislation.
- Do not use the appliance outdoors.
- Do not obstruct the air intake or outlet.

Technical assistance

Keep the list of Technical Service Centres and identify the Centre nearest you.

Electrical connections

After moving the appliance, wait at least an hour before turning it on again.

Before plugging the appliance into the power socket, check that:

- The mains power supply corresponds to the power supply indicated on the rating plate.
- The power socket and electrical circuit are adequate for the appliance.
- The power socket matches the plug. If this is not the case, have the plug replaced by a qualified electrician;
- The power socket must be adequately earthed;
Failure to respect this safety rule absolves the manufacturer from all liability.
This appliance is manufactured in compliance with EEC standard EN 55014 on the suppression of radio interference.
- The cable must be replaced by approved service personnel only.

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 50 cm away from any wall or obstacle to ensure adequate ventilation.

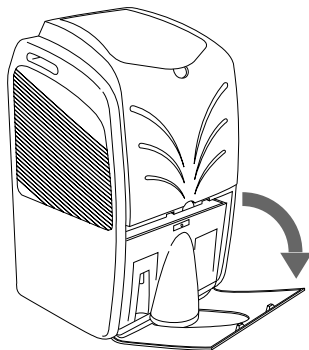
Condensate can be drained in one of two ways:

A) Draining into the tank

The condensate can be drained directly into the tank located inside the appliance (fig. 1).

The tank can be easily removed and has a handle making it simple to carry and empty.

fig. 1



B) Continuous external draining

If the appliance is to be operated for long periods of time but you are unable to empty the tank, you are recommended to use the continuous drain facility.

- 1) Remove the rubber bung from the spout (Fig. 2).
- 2) Make a hole in the tank inside the spout using a fine drill bit (8mm) (Fig. 2).
- 3) To fit the rubber hose to the spout, open the door, remove the tank, pass the drain hose provided through the space between the door (at a slight angle) and the bottom of the appliance, reposition the tank and fit the hose onto the spout (Fig. 3).
- 4) Close the door.
- 5) Make sure the hose is on the level otherwise the water will remain in the tank. Check there are no kinks in the hose.

N.B.: Keep the rubber bung. You will need it to plug the hose or close the spout if you revert to draining into the tank (see point A).

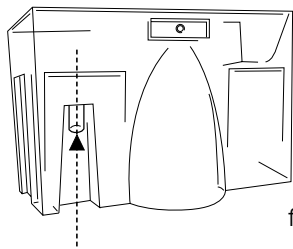


fig. 2

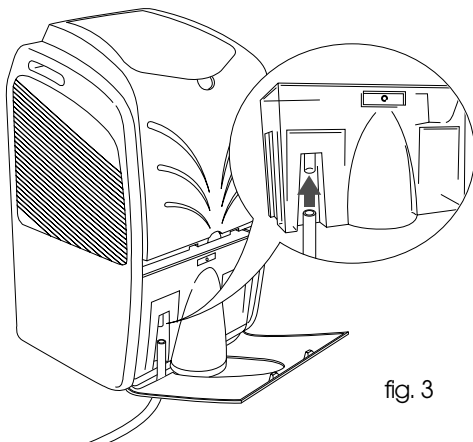
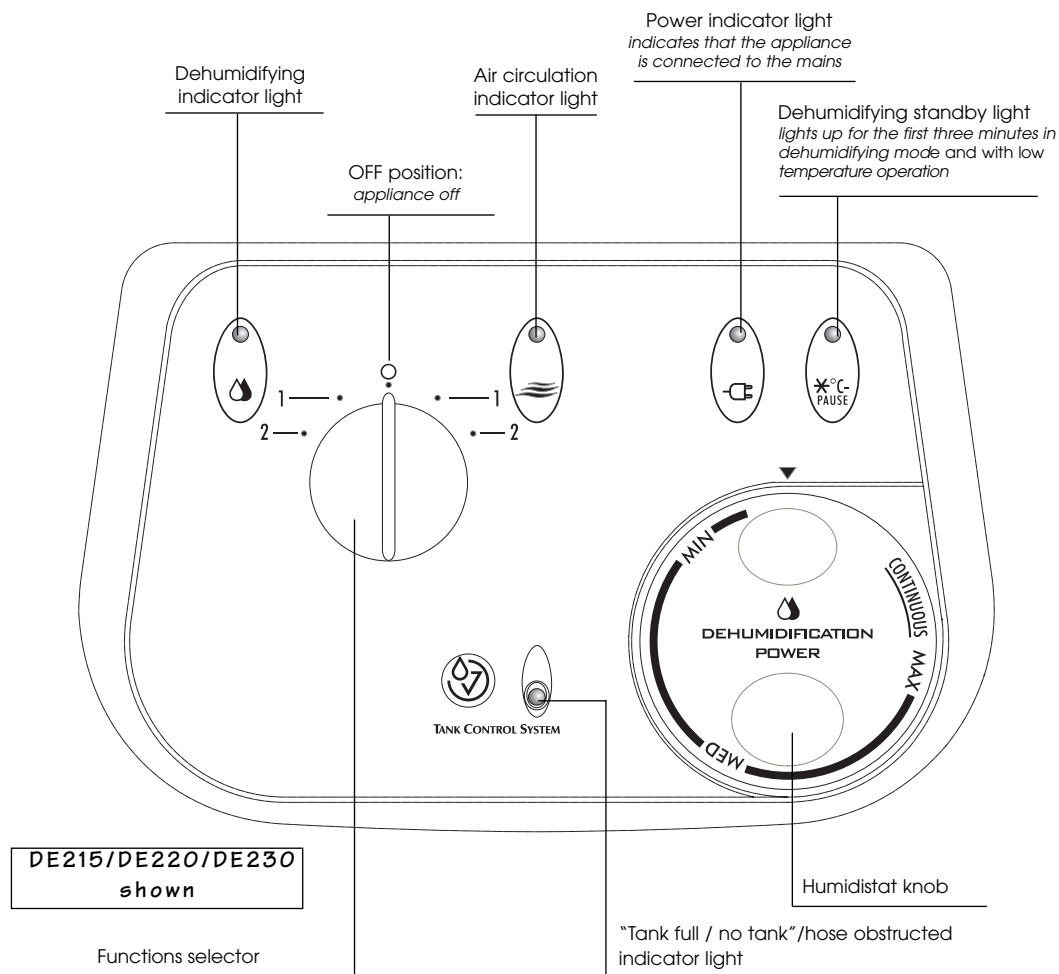


fig. 3

Description of controls



Tank control system or Full (certain models only)

This dehumidifier is fitted with a special 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 great *remove the obstruction.*

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 a mains socket. The ON light comes on indicating that the appliance is plugged into the mains.
- 2) Make sure the "tank full/tank missing" light is off.
- 3) Turn the function selector to the "DEHUMIDIFYING"  position or one of the two "DEHUMIDIFYING"  positions (1 = min., 2 = max.) depending on model.

The dehumidifying standby light comes on during the first three minutes (safety device), then the appliance starts dehumidifying.

- 4) The humidistat dial enables the humidity level to be regulated as required.

To adjust the humidity level quickly and easily, proceed as follows:

Turn the humidistat dial to the "**continuous**" position. When the humidity has reached the required level, slowly turn the humidistat dial anticlockwise until the dehumidifying light goes out.



The dehumidifier will then keep the humidity in the room at the selected level automatically.

When the dial is on MIN, the dehumidifier removes only a small amount of humidity from the room. On MAX, it removes a large amount of humidity.

Adjust the humidistat to one of the positions available. (MIN/MED/MAX)

Note: The dehumidified air given off by the appliance is usually 1-2°C hotter than room temperature.

How to ventilate

Turn the function selector switch to pos.  or in some models, to one of the two VENTILATION positions  : 1 = min. 2 = max.

The ventilation light comes on

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

Maintenance

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

Cleaning the cabinet

- Clean the appliance using a damp cloth then dry with a dry cloth.
- Never use petrol, alcohol or solvents to clean the appliance.
- Never spray the appliance with insecticides or similar. 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. It is therefore good practice to clean 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. 4.
- 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 40°C. After washing the filter, allow to dry completely before putting it back in the appliance.

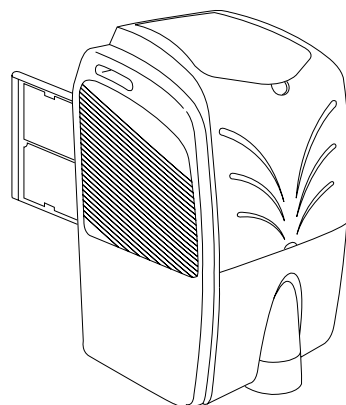


fig. 4

If the appliance is not used for long periods

- Unplug from the mains socket and empty the tank.
- Clean and reposition the filter.
- Cover the appliance so that dust does not build up.

Electrostatic purification filters (some models only)

The special high-efficiency electrostatic filter can capture very small particles (down to 0.3 µm). The filter is active in all of the functions.

Replace the filter at the end of each season, or in any case when depleted. The filters are available at the authorized DL service centres or Dè Longhi sales outlets.

Do not attempt to clean the electrostatic filter, as this may diminish its filtering capacity.

Troubleshooting

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

Problem	Cause	Remedy
The appliance does not work in dehumidifying mode (indicator light off)	<ul style="list-style-type: none">•the appliance is not plugged in•there is no current•the humidistat is on minimum•the tank is full of water•the tank is incorrectly positioned	<ul style="list-style-type: none">•plug into the mains•check the power supply•set the humidistat to pos. max or continuous•empty the tank•gently place the tank in the correct position
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.)	<ul style="list-style-type: none">•clean the filter•in certain conditions, it is normal for the appliance not to dehumidify (in these cases the room being dehumidified should also be heated)
The air conditioner doesn't work for about 3 minutes from turning on the appliance	<ul style="list-style-type: none">•the appliance's security system has intervened	<ul style="list-style-type: none">•wait for 3 minutes

Technical Characteristics

ENGLISH

Power supply voltage

Absorbed power
dehumidifying only

Maximum absorbed power

Maximum absorbed current

Refrigerant

Air treated (min/max)

Defrosting device

Humidistat

Fan speeds

Compressor protection device

Air filter

Dimensions LxHxD

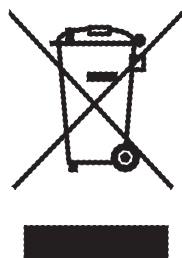
Weight (net)

Tank capacity

Operating limits:

- temperature
- relative humidity

DE120	DE210	DE215	DE220	DE230
See rating label				
"				
"				
"				
"				
240m³/h	260m³/h	200/260 m³/h	210/300 m³/h	210/300 m³/h
yes				
yes				
1	1	2	2	2
yes				
yes				
365x610x375mm				
18Kg	18Kg	18Kg	21Kg	21Kg
5.5 litres				
Dehumidifying				
5° - 32°				
30 - 90%				



IMPORTANT INFORMATION FOR CORRECT DISPOSAL OF THE PRODUCT IN ACCORDANCE WITH EC DIRECTIVE 2002/96/EC.

At the end of its working life, the product must not be disposed of as urban waste.

It must be taken to a special local authority differentiated waste collection centre or to a dealer providing this service.

Disposing of a household appliance separately avoids possible negative consequences for the environment and health deriving from inappropriate disposal and enables the constituent materials to be recovered to obtain significant savings in energy and resources. As a reminder of the need to dispose of household appliances separately, the product is marked with a crossed-out wheeled dustbin.