# INSTRUCTION MANUAL

Noaton DF 4114
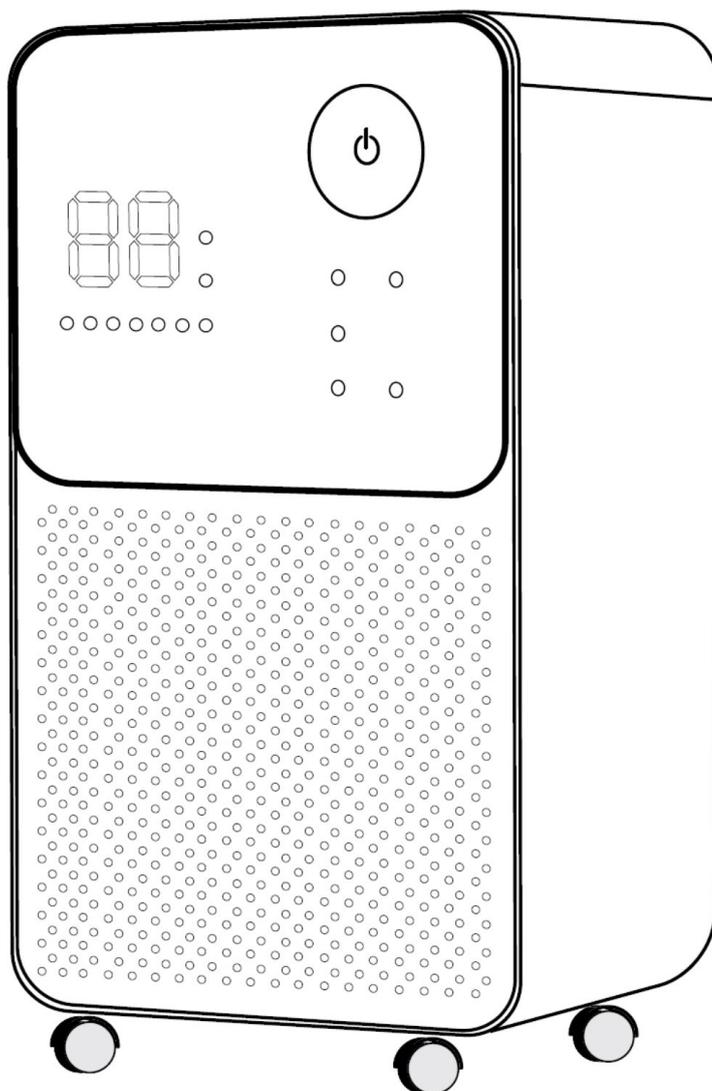
R290

Air dehumidifier
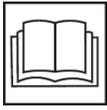
Read the instructions for use. Read the relevant section in this User Guide before any use.

This product must not be disposed of with other household waste at the end of its useful period, but must be taken to a collection point designated for the recycling of electrical equipment.

The product complies with applicable European and other directives.

CE CB

The product uses flammable refrigerant for its function. If the refrigerant escapes from the unit and comes into contact with an open flame or other strong heat source, there is a risk of fire.

R290

Parameters subject to change. For the latest version of the manual, please visit the manufacturer's website.

Verze: DF_4114-09-2022-EN

Table of Contents

Safety instructions

⚠ **Read the instructions carefully before using the dehumidifier.**

1. Install the unit on a level and solid floor to reduce vibration or noise.

2. Never immerse the unit in water or other liquids.

3. Never use the instrument if the cable or other connector is damaged or something unusual occurs. In this case, please contact customer service.

4. Disconnect the instrument from the power supply when it is not in use, being moved, or being cleaned.

5. Use the instrument according to the specified voltage.

6. The instrument is intended for indoor use only. Do not use it for other purposes.

7. Do not place heavy objects on the instrument.

8. Do not tilt the unit to any side, water may spill out of the unit and damage it.

9. Never insert any objects into the interior of the instrument to prevent damage to the instrument.

10. Do not place the unit near heat generating equipment or near flammable or hazardous materials.

11. This appliance is not intended for use by persons (children) with reduced physical or sensory abilities or lack of experience, unless they have been given safety instructions on how to operate the appliance or are working under the supervision of a person responsible for their safety. Children must be supervised by an adult and should not handle the apparatus.

12. If the power cord is damaged, it must be replaced by the manufacturer, its service representative, or a similarly qualified person to avoid the risk of injury.

13. The appliance must be positioned so that the plug is accessible.

14. The appliance must be installed in accordance with national wiring regulations.

15. The ambient temperature range for the appliance is 5 °C - 35 °C.

⚠ **Do not attempt to repair, disassemble or make modifications to the appliance,**

failure or damage may occur. Even the actual replacement of the power cord

should only be carried out by a specially qualified person.

Warning in relation to R290 refrigerant

This equipment is designed to use only R290 (propane) refrigerant, which is hermetically sealed under pressure in the refrigeration circuit. Repairs to this equipment may only be carried out by a specially trained service technician in accordance with national legislation relating to flammable substances! Do not tamper with the cooling circuit, pierce it or expose it to higher temperatures.

Do not release refrigerant into the atmosphere.

Do not try to speed up the defrosting process in any way (e.g. by heating).

The appliance must be placed in a room of at least 4 m2.

R290 is a flammable gas (propane) and is heavier than air. For this reason, its concentration rises most near the ground during a leak, but it can be agitated (e.g. by drafts, fans, etc.) to higher layers. The propane used in this equipment is an odourless gas.
Do not use the unit in a room with an open flame or other strong source of heat (such as cigarettes, candles, etc.) or electrical discharges. Place the appliance in a room that can be ventilated if necessary and where gas accumulation is not possible.
If propane is detected or even suspected in the room, do not allow unauthorized persons to search for the location of the leak. In this case, evacuate all persons from the room, open the windows, vacate the room, and notify the local fire station of the propane leak. Do not allow any person to return to the room until the fire department commanding officer or certified service technician has determined that the hazard has passed.

FAILURE TO FOLLOW THE ABOVE INSTRUCTIONS MAY RESULT IN FIRE, EXPLOSION, PROPERTY DAMAGE, INJURY OR DEATH.

Features

Powerful dehumidification
Using compressor technology, this dehumidifier removes excessive humidity in the room.

Compact and portable design
The simple design of the dehumidifier and its low weight guarantee very easy and effortless handling.

Low temperature operation, automatic defrost
If the ambient temperature is between 5 degrees Celsius and 16 degrees Celsius, the unit will automatically defrost at regular intervals. During the defrost phase, the compressor will not operate, but the operation of the fans will not be affected. During defrosting, the ambient humidity indicator will be blue.

Three dehumidification modes
Three types of dehumidification mode are available for users: sunny, rainy and continuous dehumidification (laundry drying). The user can also select a target humidity.

Low noise and energy saving
Based on the "smart home" concept, this dehumidifier uses special energy-saving technology, plus its low noise level provides users with a comfortable home experience.

Air purification
This unit uses a carbon filter to clean the air in the room.
Among the cleaning functions, it uses a double-start method that can dehumidify and clean at the same time.

Parameters

Power source	220V-240V/50Hz
Energy consumption	180W (30℃,80%RH)
	156W (27℃,60%RH)
Rated current	0.95 A (30℃,80%RH)
	0.88 A (27℃,60%RH)
Dehumidification capacity	13.5 L/den (32℃, 90%RH)
	12 L/den (30℃,80%RH)
	6.8 L/den(27℃,60%RH)
Power efficiency (27℃,60%RH)	1.781
Noise level	Min. 40 dB Max. 44 dB
Air flow max.	120m^3/h
Tank capacity	2L
Refrigerant type/quantity	R-290 / 0,06kg
GWP coefficient	3
CO2 equivalent	0,00018 t
Operating temperature	5℃-35℃
Recommended room size	15~25m² (Ceiling height =2.6m)
Control type	Touch panel
Automatic defrosting	Yes

Automatic shutdown when the tank is full	Yes
Automatic humidity maintenance	Yes
Restart and preserve settings during a power failure	Yes
Timer (delayed start, delayed shutdown)	0-24 h
Division of the device	280*200*500mm
Division of the package	330*250*565mm
Weight of the device	12 kg
Weight of the package	13 kg
Drain through hose	Yes
Minimum room size	4 m^2

Appearance

Air outlet

Control panel

Front cover

Wheels

Built-in handle

Grill with pre-filter for air intake + carbon filter

Hose outlet hole

Water tank
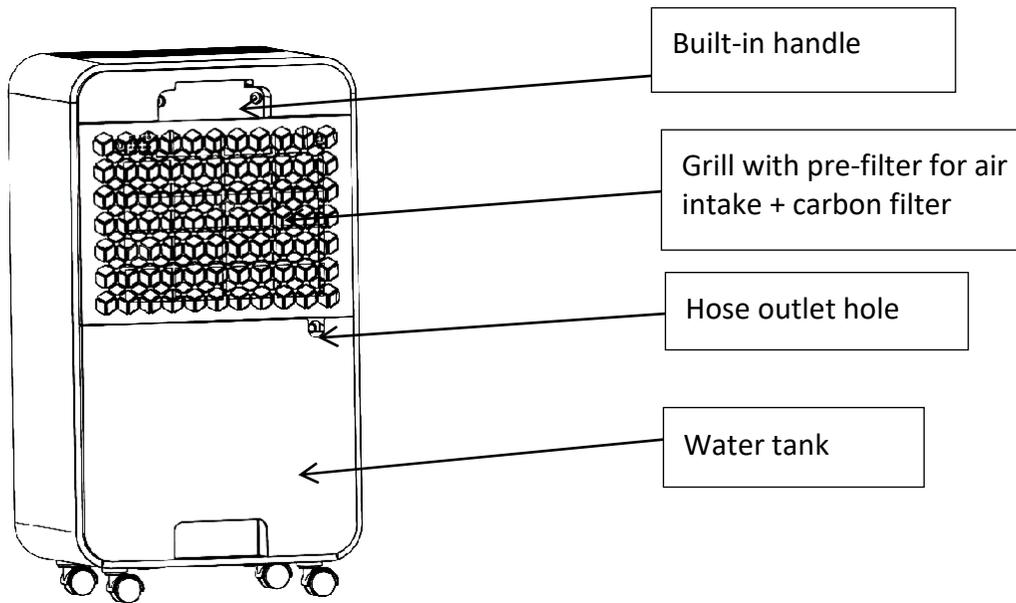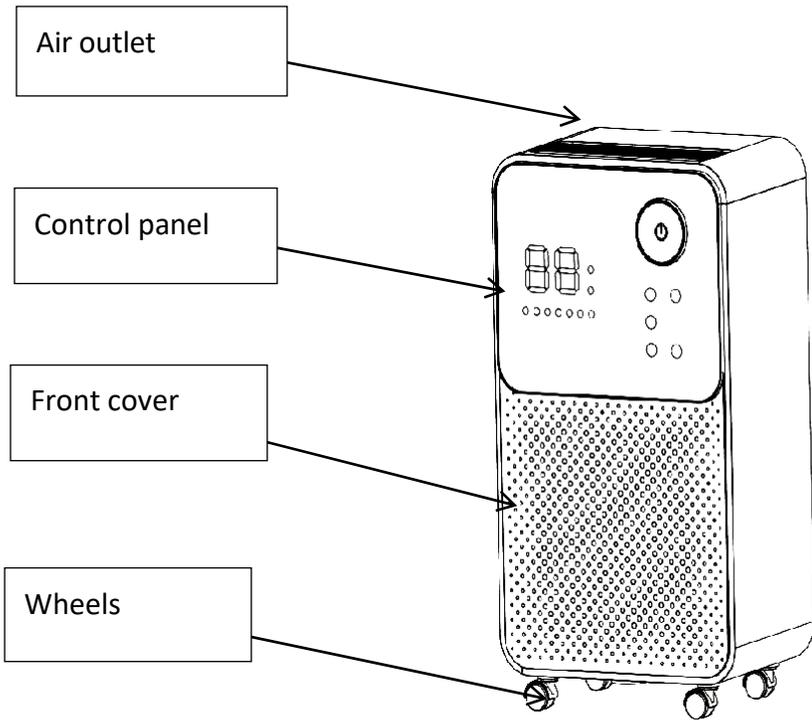
Before starting

Filter installation

1. Remove the carbon filter from the plastic bag.
2. Remove the air intake pre-filter grille.
3. Insert the filter on the inside of the grille, the filter is inserted correctly if the black (carbon) side faces out of the unit.
4. Now replace the grille with the air intake pre-filter.
5. The average lifetime (depending on air pollution) of carbon filters under normal use (approx. 8 hours per day) is approximately 6-12 months.

Proper placement

When the dehumidifier is in operation, make sure that the rear of the dehumidifier has a minimum distance of 20 cm from walls or furniture as shown below.
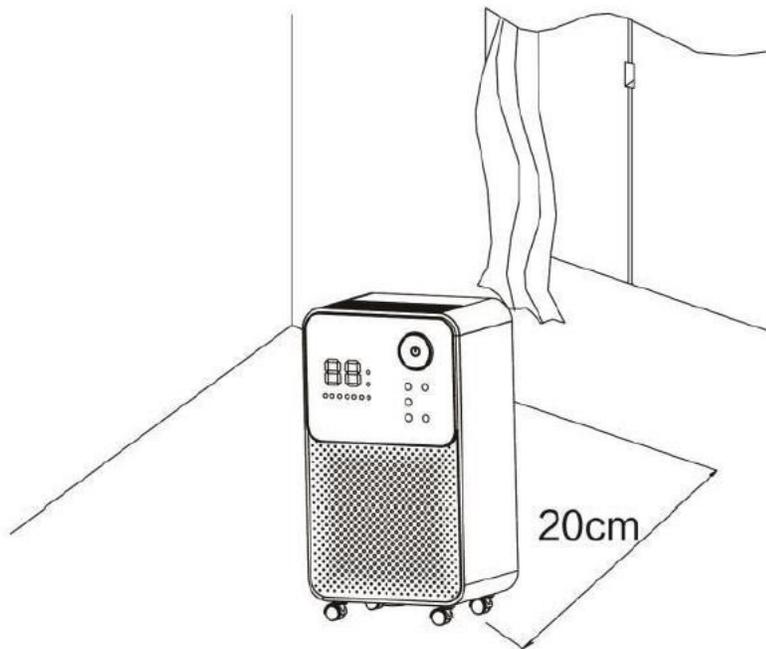
Features (Control panel)
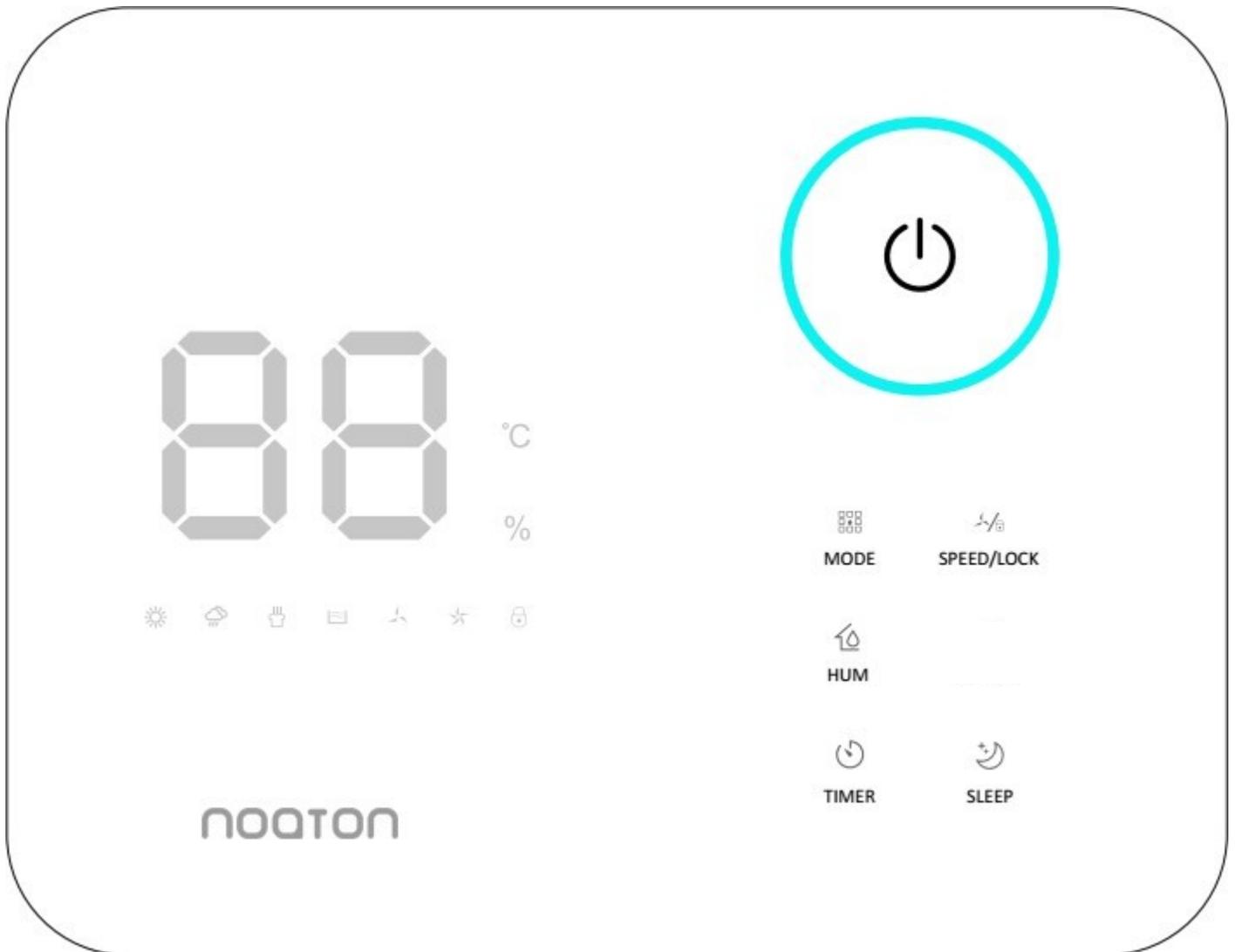
Switching on the dehumidifier

When the unit is first plugged in, a beep sounds and "--" appears on the display. The device then enters standby mode. When the "on/off" button is pressed, the

button will light up and the display will show the current ambient humidity and start in sunny mode (automatically maintaining 60% RH and high fan speed).

Humidity settings

Press the humidity button ("HUM") and select the target humidity using the same button (each single press increases the humidity by 5%).

Full tank indicator

When the water tank is full, the "full tank" light will turn red and the device will beep 3 times to alert the user to empty the water tank. At this point, the compressor and fan will turn off and the dehumidifier will switch to the "full tank" state. When the tank is emptied and returned to its original location, the unit will automatically switch to the previous setting.

Turning off the full tank warning

When the water tank is full of water, the beeping can be cancelled by pressing any button, but the "full water tank" status cannot be switched off.

Pouring out the water tank

1. Grasp the water tank with your hand on the underside of the water tank and pull it out of the body of the device. CAUTION – If the water tank is removed abruptly, water may spill.
2. Empty the water tank.
3. Put it back in its original place.
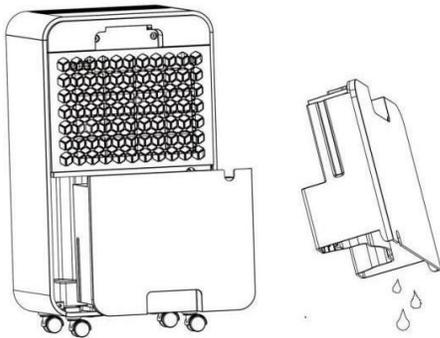
Button control

⏻ Turn-on/Turn-off

First start up – press the "on/off" button to turn on, the operation light around this button will light up and the unit will be set in sunny mode (automatically maintaining 60% RH and high fan speed). If the ambient humidity is less than 60% RH when the unit is first turned on, dehumidification will not start. If the "on/off" button is pressed while the unit is on, the operation light will go out and the compressor will immediately stop and the fan will turn off after approximately 30 seconds.

Restart – when the device is switched off with this button and switched on again, the previous settings are retained (if the cable of this device has not been unplugged). If the "on/off" button is pressed while the unit is on, the operation light will go out and the compressor will immediately stop and the fan will turn off after approximately 30 seconds.

⌂ Humidity button ("HUM")

Tap the humidity button ("HUM") to check the current ambient humidity, after
touching this button again to adjust the humidity. Each time this button is pressed, a beep sounds, the display lights up and the target humidity value is increased once by 5%. The target humidity range is 20% - 25% - 30% - 35% - 40% - 45% - 50% - 55% - 60% - 65% -
70% - 75% - 80% - 85% - 90% - 95%. Three seconds after setting, the system confirms the input value and the instrument displays the current humidity value. The target humidity cannot be changed in the continuous dehumidification (clothes drying) mode. Long press the humidity button for 5 seconds to display the current ambient temperature.

⏲ Timer („TIMER")

Press the timer button to set the 0-24 hour timer function. Each time the
press this button, the value will increase by 1 hour and the screen will display the corresponding timing value. Setting "00" will cancel the timer function and the button will turn off. If the button is lit, a value other than "00" is set. In the operating state, set the timer to turn off the instrument; if you set the timer in standby mode, the instrument will then start in the last set mode.

☽ Sleep mode („SLEEP")

Press this button, which will then light up and start the sleep function. After inactivity, all indicators will gradually darken and the fan speed will automatically switch from high to low speed. Tapping any button causes the indicators to light up again. Press the sleep button again to exit sleep mode. In this mode, the full tank alarm is switched off.

Mode button („MODE")

Press once to switch from one mode to the other, then the corresponding indicator lights up.

Sunny mode: The default target humidity is 60% when the machine is running, and the target humidity can be set, but the mode will turn off when it is changed.

Rain mode: the default target humidity is 40% when the machine is running and the target humidity can be set, but the mode will turn off when it is changed.

Continuous dehumidify mode: the machine dehumidifies regardless of the ambient humidity, but the target humidity cannot be set.

Fan speed button / child lock ("SPEED/LOCK")

Fan speeds - high and low
Press the button once to switch the speed and then the corresponding indicator will light up. The fan speed cannot be switched in sleep mode and during the defrost phase. Long press this button for 3 seconds to switch the child lock function on/off.

Indicators

⏻ **Ambient humidity indicator**

When the dehumidifier is switched on, the light ring around the on/off button appears in different colours according to the current and ambient humidity.

Colour	Ambient humidity (lit)	Status (flashing)
Blue	0% - 39%	Defrosting
Green	40% - 59%	-
Red	60% - 100%	The water tank is almost full

▱ **Full tank indicator**

When the water tank is full, the indicator light will turn red, the compressor and fan will stop working and 3 beeps will sound simultaneously to remind the user to empty the water in the tank. In sleep mode, the audible warning is inactive.

☀ When you select the sunny mode, this indicator will lightup.

☁ When you select the rain mode, this indicator lights up.

⌂ This indicator lights up when you select the continuous dehumidification mode (laundry drying).

✦ If you set the fan speed to low, this indicator will light up.

✦ If you set the fan speed to low, this indicator will light up.

🔒 The child lock indicator lights up when the child lock function is switched on.

Continuous hose outlet

Water is collected in the tank, if you want to use a continuous drain hose, proceed as follows:
1. Remove the water tank.
2. Attach the drain hose (included) to the hose connection (10 mm diameter). Always make sure that the hose is pointing downwards and is not blocked or kinked.
3. Put the water tank back into the device

Remove the water tank

Connect the hose

Fit the water tank and adjust the hose to the correct position
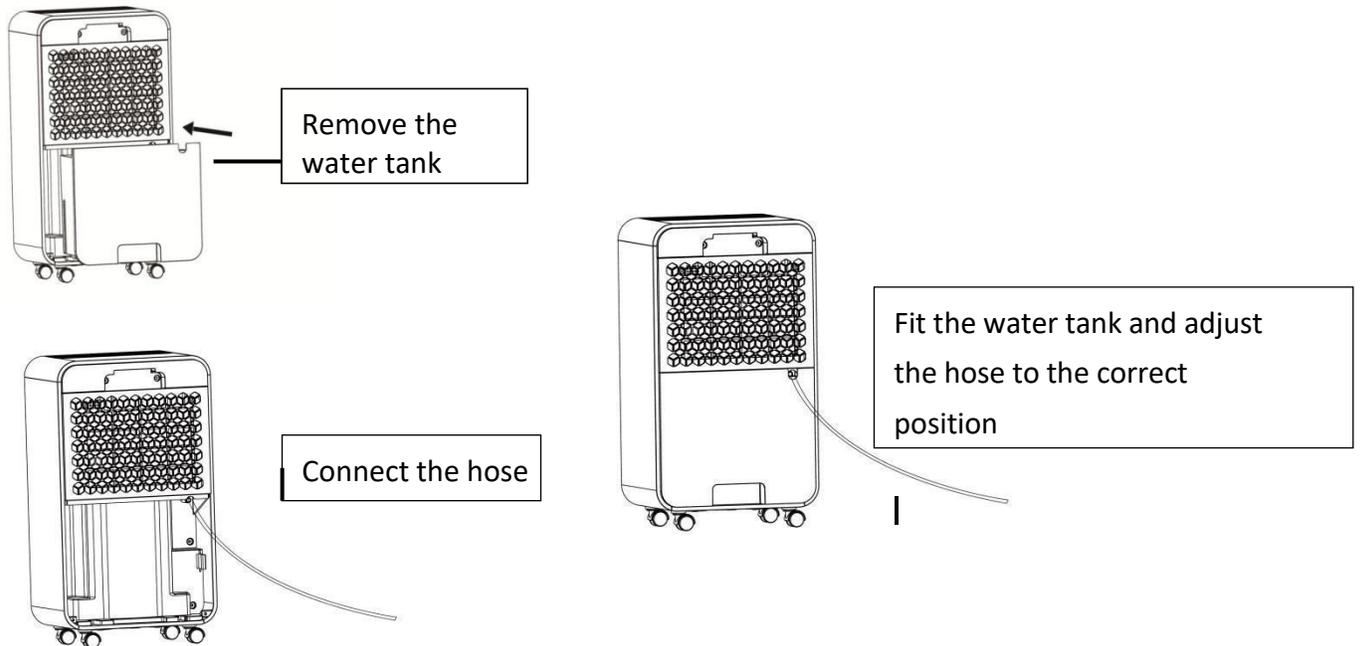
Compressor running and stopping conditions

If the ambient temperature is <5°C or the ambient temperature is >35°C or the humidity sensor fails, the compressor does not work.

When the ambient temperature is 5°C ≤ ambient temperature ≤ 16°C, the compressor automatically defrosts at intervals; during defrosting, the compressor does not work, the fan still works.

Memory functions

- When the power cord is disconnected from the mains or when the power fails and the power is reconnected, the dehumidifier will operate in pre-shutdown mode. The timer setting will be cancelled.
- Press the on/off button to turn the dehumidifier off and then turn it back on by pressing the same button. The dehumidifier will operate in pre-shutoff mode. The timer setting will be cancelled.
- Turn the unit off and disconnect the power cord, reconnect the power and turn the dehumidifier on. The unit will return to the original factory settings.
- The delayed start setting will be cancelled if the power cord is disconnected from the mains or if there is a power failure.

Maintenance

Cleaning the water tank
1. Do not remove the float. If the float is removed from the tank, the unit will not turn on.
2. If the tank is dirty, wash it with warm water. Do not use detergents or scouring pads, chemically treated anti-dust cloths, gasoline, benzene, thinners or other solvents as they may damage the water tank and cause leakage!
3. When inserting the water tank, push it into the unit with both hands and insert it into the correct position. If the tank is not in the correct position, the appliance will not switch on.

Cleaning the instrument and pre-filter
1. Before cleaning, switch off the appliance, then pull the plug from the socket.
2. Clean the cover with a soft dry cloth. If the device is very dirty, use mild detergents. Wipe the dehumidifier with a damp cloth. Water must not get inside the unit.
3. Remove the pre-filter from the back of the unit, clean it with a vacuum cleaner or soapy water, no warmer than 40°C.
4. Dry the pre-filter thoroughly before returning it to the instrument.
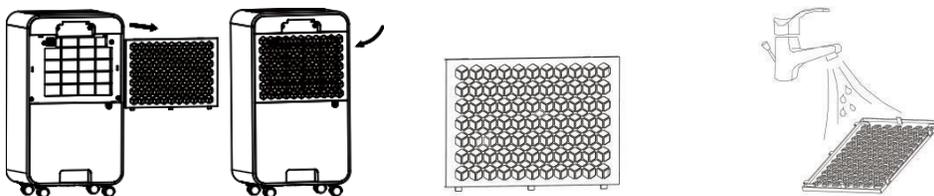
Cleaning the carbon filter
Remove the carbon filter and clean it with a vacuum cleaner. This filter must not come into contact with water.

Storage

1. If the dehumidifier will not be used for a long period of time, please follow these instructions:
2. Turn off the machine and remove the plug from the socket. Empty the tank and completely drain it and the dehumidifier. To ensure that the inside of the unit is completely dry, place it in a dry place for 2-3 days.
3. Clean the filters.
4. Check that the dehumidifier is in good condition to ensure it is safe to use after extended storage.
5. Wrap the equipment in suitable packaging.
6. Store the dehumidifier in a dust-free and dry environment, out of direct sunlight, preferably covered with plastic sheeting.

Troubleshooting

Before you contact a service professional, read this list. It may save you costs and time. This list includes common cases that are not the result of a defect in workmanship or materials.

Problem	Possible cause	Solution
The device is not working	Power not connected	Drain the water tank or place the water tank in the correct position
	The water tank has not been fitted correctly or is full.	Drain the water tank or place the water tank in the correct position
	If the ambient temperature is less than 5 degrees (the display shows the message "CL") Greater than 35 degrees (the display shows the message "CH")	For safety reasons, the device will not work in such conditions.
The dehumidification function is not working properly	Is the air filter clogged?	Clean the air filter as instructed
	The air outlet is blocked or the intake?	Remove the obstacle preventing airflow.

Loud sound when running	Is the machine placed on a flat surface?	Place the device on a flat surface
	Are the filters clogged?	Clean the filters according to the instructions
E2	Problem with the humidity sensor	Disconnect the device and reconnect it, if the problem persists, contact professional service.
The screen displays "L0"	Ambient humidity is below 20%	Work in elevated humidity
The screen will display "HI"	Ambient humidity is higher than 95%	High humidity occurs
The screen will display "CL"	Protection against low Temperature protection, ambient temperature <5 ° C	Increase the ambient temperature
The screen will display "CH"	High temperature protection, ambient temperature > 35°C	Reduce the ambient temperature

 Disposal

The crossed-out bin icon on electrical and electronic waste indicates that the equipment must not be disposed of with household waste at the end of its life. This waste must be disposed of in accordance with the applicable local legislation by taking it to selected e-waste collection points near your home. Contact your local authority for the exact addresses of such sites. Sorting e-waste helps to reuse, recycle or gently dispose of hazardous substances, thereby protecting the ecosystem and, consequently, human health.

The refrigerant in the appliance must be disposed of in accordance with the applicable local ordinances and by a company that is certified for this type of activity (European Waste Catalogue 160504).