



EN

## DEHUMIDIFIER

DRY NATURE  11

DRY NATURE  13



## OPERATING INSTRUCTIONS

Read the instructions carefully before operating or servicing the dehumidifier.

Observe all the safety instructions; failure to observe the instructions may lead to accidents and/or damage. Keep these instructions in a safe place for future reference.





Appliance is filled with flammable gas R290.



Before installing and using the appliance, read the owner manual.



Before installing the appliance, read the installation manual.



Any repairs you need, contact the nearest authorized Service Centre and strictly follow manufacturer's Service Manual.

### The Refrigerant R290

- To realize the function of the air conditioner unit, a special refrigerant circulates in the system. The refrigerant is the fluoride R290 = 3 GWP (Global warming potential). This refrigerant is flammable and inodorous. It can lead to explosions under certain conditions, however the flammability of this refrigerant is very low and it can be ignited only by fire.
- Compared to other common refrigerants, R290 is a non-polluting refrigerant with no harm to the ozonosphere and a no effect upon the greenhouse effect. R290 has very good thermodynamic features which lead to a really high energy efficiency. The units therefore need less filling.

### Warning:

Do not try to accelerate the defrosting process or to clean the appliance in different ways other than those recommended by the manufacturer. Should repair be necessary, contact your nearest authorized Service Centre. Any repairs carried out by unqualified personnel may be dangerous. The appliance has to be stored in a room that doesn't have any continuously operating ignition sources. (for example: open flames, an operating gas appliance or an operating electric heater.) Do not pierce or burn.

Appliance has to be installed, used and stored in a room with a floor area larger than 4 m<sup>2</sup>.



## GENERAL OPERATING AND SAFETY INSTRUCTIONS

- This appliance is a local air conditioner designed for domestic use.
- Only use this air-conditioner as described in this manual.
- Ensure that the required voltage and frequency (220-240 V/50 Hz) match the available power source.
- Fuse style T, 250V AC, 2A, the electricity passing through the fuse cannot be above 2A.
- This appliance can be used by children aged from 8 years and above and people with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- Children shall not play with the appliance.
- Cleaning and user maintenance shall not be made by children without supervision.
- Ensure that the electricity system is able to deliver the operating current required by the air conditioner, in addition to that normally absorbed by other appliances (household appliances, lighting system, etc.). Please refer to the maximum power input data indicated on the air conditioner's data plate.
- Connection to the electricity grid must take place in accordance with current installation standards.
- Ensure that the automatic switches and system protection valves are able to withstand a start-up current of 5A (normally for less than 1 second).
- The system socket must always be fitted with an efficient earth connection.
- Make sure that the plug is fully inserted. Do not use multiple adapters. Do not touch the plug with wet hands. Make sure that the plug is clean.



- Do not use the plug as a means by which to start/stop the air conditioner: use the ON/OFF button on the remote control or on the control panel.
- Do not install the air conditioner in rooms where it may receive water splashes (e.g. laundry rooms).
- This air conditioner can be used by children of 8 years of age or older, and by persons with reduced physical, sensory and mental abilities or who lack the necessary know-how and experience to operate it, if under the supervision or instruction of a person responsible for their safety, so that they are fully aware of the attendant risks.
- Before moving or cleaning the device, ensure that it is unplugged from the socket.
- Do not move the air conditioner while it is operating; first turn the appliance off, check for any condensate build-up and empty it if necessary.
- To turn the appliance off, set the remote control to OFF and remove the plug from the socket. Pull on the plug only. Do not pull the cord.
- **Do not use the appliance if the cord or plug are damaged.** If the power supply cord is damaged, it must be replaced by the manufacturer, dealer or a similarly qualified person so as to avoid any safety risks.
- Keep the unit away from fire, possible fire sources, inflammable or explosive objects.
- Do not leave the unit unattended while it's operating, turn the unit off and unplug it.
- If drainage hose is used, the ambient temperature mustn't be lower than 0°C. It can cause water leakage to the air conditioner.
- Do not splash or pour water on the air conditioner



## **PRECAUTION!**

**Do not insert any objects into the air conditioner: this is very dangerous as the fan rotates at high speed.**

- **Ensure that air circulates freely around the unit. Do not cover the air intake and delivery grilles with drapes or other items.**

## **WARNING!**

- **The air conditioner must be positioned **at least 50 cm** away from the wall or other obstacles, on a flat and stable surface so as to avoid water leakages.**
- **The air conditioner is equipped with a compressor overload protection system, whereby the compressor only starts once 3 minutes have elapsed from its previous stoppage.**
- **Please wait at least 3 minutes before starting the unit. This helps to prevent the compressor from being damaged.**

## **WARNING!**

**In the event of an anomaly, switch the appliance off and unplug from the socket. Do not dismantle or attempt to repair or modify the product. In the event of a malfunction, contact the after-sales service centre directly.**

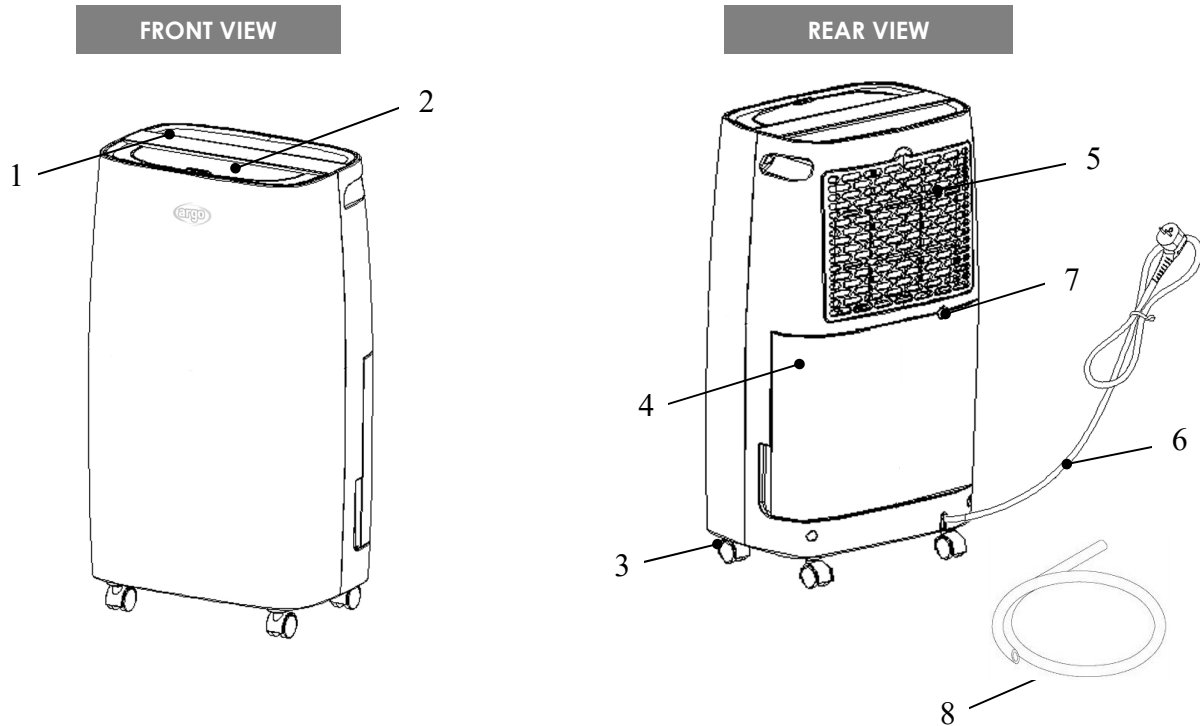
## **WARNING!**

- **Do not expose the air conditioner to direct sunlight as this may alter the colour of the materials; in addition, possible overheating of the product may activate the protection mechanism, causing it to switch off.**
- **Do not use insecticides, oils, detergents or spray paints near the appliance; do not use aggressive chemical detergents to clean the casing as this may damage the finish and colour.**
- **Close all open windows to maximise air conditioning efficiency.**



The manufacturer shall not be held liable if the relevant safety and accident prevention rules are not observed.

## DESCRIPTION OF PARTS

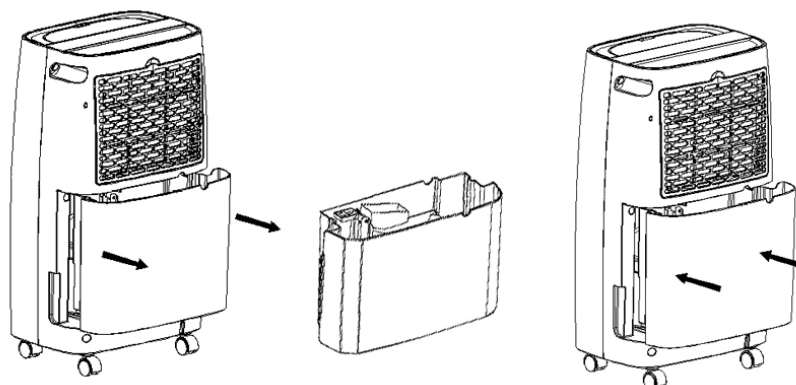


1. Control panel
2. Air outlet flap
3. Wheels
4. Tank
5. Air inlet and anti-dust filter
6. Wiring chord
7. Continuous drain hole
8. Continuous drain ho

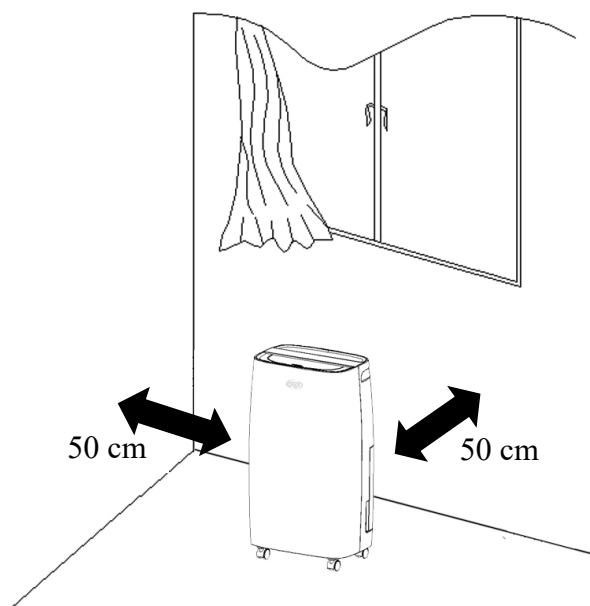
## PRE-OPERATING CHECKS AND OPERATIONS

Make sure the floater and the condensate collection tank are correctly positioned

1. Pull out the tank using both hands and verify the correct position of the floater.



2. The following space must be maintained to ensure the operating efficiency of the dehumidifier.



## OPERATING INSTRUCTIONS

### APPLIANCE START-UP

Place the product on a flat and stable heat-resistant surface, at least 1 metre away from flammable or heat-sensitive materials and 50 cm away from walls or other obstructions.

Make sure the water tank is in the correct position.

Connect the power cord to a suitable electric socket (220-240V/50Hz).

Turn the appliance on with **POWER** on the control panel.

The dehumidifier is designed to operate at ambient temperatures from **+ 7°C to + 35°C**.

If it is operated at low temperatures, ice may form on the evaporator, degrading its operation.

When this happens, the dehumidifier goes into defrost mode. The compressor stops, but the fan continues running.

The defrosting operation may start up and operate for some minutes; during the defrosting operation, the dehumidification function may intermit: please don't turn off the switch or pull out the power plug of the dehumidifier.

**We recommend not using the dehumidifier in room temperatures lower than 7°C.**

### OPERATING PRECAUTIONS

The dehumidifier will start working only if the humidity level set is lower than the humidity in the surrounding environment and it will work till reaching the selected humidity level or continuously if the selected humidity level in the room is lower than the humidity in the environment, **with the exception of interruptions caused by a full tank**. In this case, empty and reinstall the tank: the dehumidifier will start running again.

#### **WARNING:**

**After each interruption of its operation, at least 3 minutes must pass before the dehumidifier starts up again: this delay prevents the compressor being damaged.**

If you follow the start up instructions but the dehumidifier does not start stops for no reason, make sure the plug and power cord are in good working order. After doing so, wait for 10 minutes and then restart the appliance.

If the dehumidifier still does not start after 10 minutes, or if either the power cord or plug are damaged, switch off the appliance and contact an after-sales service centre.

#### **WARNING:**

**When the dehumidifier is running, the compressor produces heat and the appliance emits warm air into the room. The room temperature will therefore tend to increase. This is completely normal.**

**AUTOMATIC DEFROST:** the dehumidifier is designed to operate at ambient temperatures from **+ 7°C to + 35°C**.

**When the unit operates at low environmental temperature the evaporator surface can be covered by ice that can reduce dehumidifying capacity. When environmental temperature is between 7 and 12°C the unit will stop to operate quick defrosting cycles every 30 minutes. If the environmental temperature is between 12 and 20°C the unit will stop to operate quick defrosting cycles every 45 minutes.**

When this happens, the dehumidifier goes into defrost mode. The compressor stops, but the fan continues running.

We recommend not using the dehumidifier in room temperatures lower than 7°C.

**MEMORY FUNCTION:** the dehumidifier starts up again after a power failure maintaining its settings.

## TURNING THE DEHUMIDIFIER OFF

To turn the dehumidifier off press the POWER button. This shuts off power to the unit. Unplug the appliance if you do not intend to use it for some time.

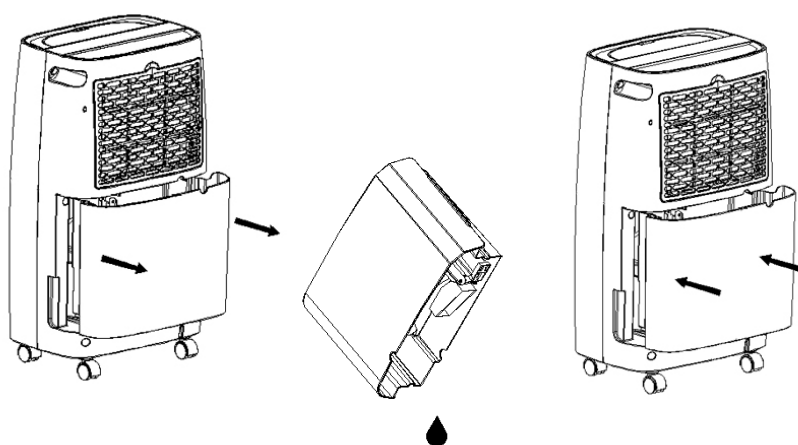
## HOW TO ELIMINATE CONDENSATE

The water extracted from the air can be collected in the provided front tank.

When the tank is full, not inserted or not correctly inserted, the FULL TANK led turns on and the unit beeps for about 15 seconds, at the end of which the unit turns off.

To switch off the appliance, press the POWER button and wait a few seconds.

1. Carefully remove the tank using both hands and following the direction of the arrow.
2. Empty the tank.
3. Reposition the tank following the direction of the arrow.



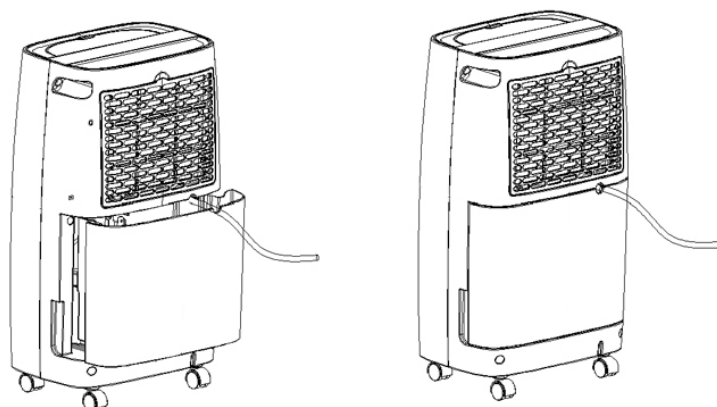
N.B.

Do not use the drain hose when you are collecting condensation in the tank, otherwise water can leak out of the hose.

## CONTINUOUS CONDENSATE DRAINAGE

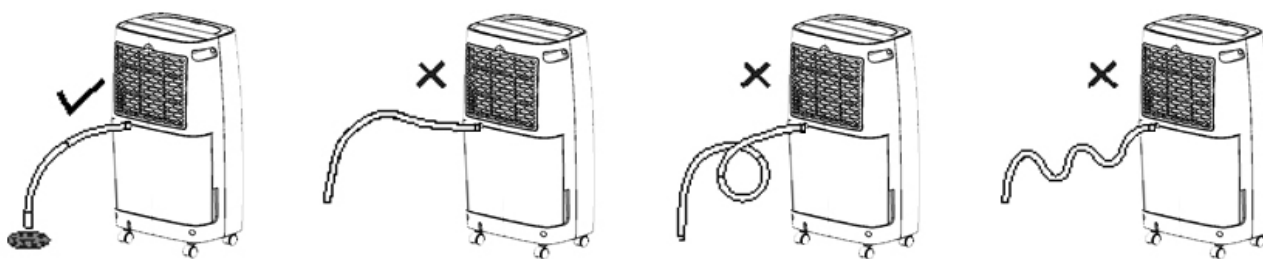
The water can be continuously drained when using the supplied hose.

Turn off the appliance and remove the plug before connecting the hose.

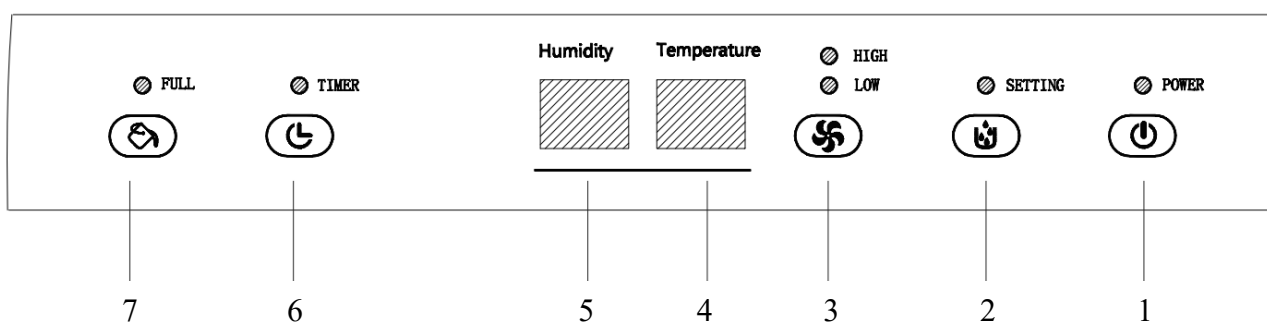


Remove the tank and safely connect the hose to the continuous condensate discharge connection, as shown in the figures below.

The height of the drainage hose must not exceed that of the hole: do not block the drainage hose exit.



## CONTROL PANEL



## BUTTONS AND LED INDICATORS

### (1) POWER BUTTON

Press this button to turn the dehumidifier on and off.

### (2) SETTINGS BUTTON

Press this button to set the desired humidity level in the room. The unit can be set from 40% to 80% at 5% intervals. When the humidity level in the room is 3% lower than the set one, the compressor stops while ventilation continues to ensure good operation of the humidity sensor. When the humidity in the room is higher than 3% compared to the set one, the dehumidifier resumes its normal operation.

### (3) HIGH/LOW BUTTON

Press this button to select the fan velocity, high or low.

### (4) TIMER/TEMPERATURE DISPLAY

In normal operation this display will show the environment temperature.

### (5) HUMIDITY DISPLAY

The environment humidity is shown on this display.

If the humidity level is lower to 35% this display shows 35. If the humidity is above 95% the display shows 95.

### (6) TIMER BUTTON

When the unit is not operating: press this button to set the delay time of switching on (from 1 to 24h later). When the unit is operating press this button to set the delay time of switching off (from 1 to 24h later).

### (7) TANK FULL LED

When the tank is full or not correctly positioned, the unit will sound a beep lasting approximately 15": then the LED will turn on and the unit stops working. The LED will turn off once the tank is emptied and/or properly repositioned.

## CLEANING AND MAINTENANCE

### MAINTENANCE OF THE HUMIDIFIER'S EXTERIOR SURFACE

**⚠ Warning**

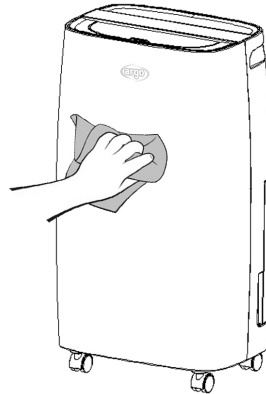
Always pull the dehumidifier's plug out of the power socket before cleaning it, to prevent electric shock and malfunction.

**⚠ Warning**

Do not wet the appliance or immerse it in water, otherwise electric shocks may occur.

Use a damp and soft cloth to clean the exterior surface of the dehumidifier.

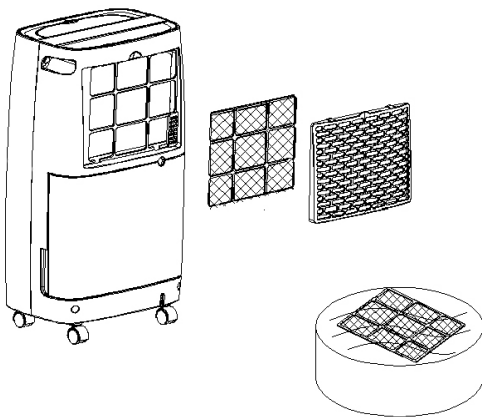
Do not use solvents, petrol, xylene, talcum powder or brushes to clean the unit: these may damage the surface or colour of the casing.



### CLEANING THE WATER TANK

We advise removing the tank once every few weeks to prevent mould and bacteria forming on it. Fill the tank with clean water a small amount of detergent; swirl the water around in it, then it out and rinse it thoroughly.

### CLEANING THE AIR FILTER



**WARNING!**

**Unplug the unit before start cleaning the air filter.**

The filter is designed to remove dust or dirt from the air.

If the filter is clogged by dust, electricity consumption will be higher than normal.

Cleaning instructions:

1. **Remove the filter by pulling down the grid to complete extraction. Clean the filter washing it with warm soapy water. DO NOT USE ALCOHOL, BENZENE OR OTHER AGGRESSIVE PRODUCTS TO CLEAN THE FILTER. Leave the filter to dry naturally, then reposition it in its slot.**
2. **Reinsert the filter into the grid.**
3. **Reposition the grid.**

Do not use the dehumidifier without the filter as dust may affect the efficiency of the evaporator, resulting in higher energy consumption.

## TROUBLESHOOTING

| PROBLEM                                                                                  | POTENTIAL CAUSE                                                                                                                                                                                                                                                                                                                                                    | SOLUTION                                                                                                                                        |
|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| The dehumidifier is not working.<br>It is not possible to adjust the settings.           | The temperature is above 35 ° C or below 7 °C.<br>The internal tank is full.<br>The tank is not positioned correctly.<br>The power plug is not inserted correctly.<br>The air filter is clogged.                                                                                                                                                                   | Empty the tank<br>Position the tank correctly<br>Correctly connect the plug.<br>Remove and clean the air filter.                                |
| The noise suddenly increases while running                                               | The compressor has just started.<br>There is a power connection problem.<br>The unit is placed on an uneven surface.<br>The air filter is clogged.                                                                                                                                                                                                                 | Position the unit on an even and stable surface.<br>Remove and clean the air filter.                                                            |
| Reduced dehumidification effect                                                          | The room temperature is too low.<br>The set humidity level is inadequate.<br>The filter is full of dust.<br>The doors and windows are open.<br>If the unit is running with a temperature between 5 and 15 °C, the unit will pause for automatic defrosting. The compressor will pause for short periods. After the defrost, the unit will resume normal operation. | Reduce the humidity level.<br>Clean the filter.<br>Close any doors and windows.<br>Remove objects that obstruct the inflow and outflow of air.  |
| At first, the air might have a musty smell                                               | Due to the temperature difference of the heat exchanger, the air might have a strange smell at first.                                                                                                                                                                                                                                                              |                                                                                                                                                 |
| There is water in the tank even when using the hose for continuous condensation drainage | Check the drainage connections.<br>The drainage hose is not connected properly.                                                                                                                                                                                                                                                                                    | Connect the hose correctly.<br>Remove the drainage hose and replace it.                                                                         |
| The ON/OFF LED does not turn on when the power is connected                              | There is no power or the plug is not inserted correctly.                                                                                                                                                                                                                                                                                                           | Check the electrical power supply.<br>Make sure that the electric circuit and plug are not damaged.<br>Make sure that the cable is not damaged. |
| The dehumidifier stops working during dehumidifying process.                             | Whether the room temperature is too high or too low and out of the working scope of the dehumidifier.                                                                                                                                                                                                                                                              | The dehumidifier may start automatically when the room temperature returns to the working scope.                                                |
| The humidity of the room can't reduce.                                                   | The room area is too big, which is over its application scope.<br>The door and windows of the room aren't closed.<br>The machine unit is operated with a kerosene heater which releases steam.                                                                                                                                                                     |                                                                                                                                                 |
| There is water in the tank.                                                              | Since each machine unit has taken operation test before leaving the factory, some water remains on the evaporator flows to the water tank.                                                                                                                                                                                                                         |                                                                                                                                                 |
| The FULL indicator LED is on.                                                            | When the water tank is full, the FULL indicator led is on for reminding.                                                                                                                                                                                                                                                                                           |                                                                                                                                                 |



## REGULATION (EU) N. 517/2014 - F-GAS

### DRY NATURE 11

The unit contains R290, a natural greenhouse gas with global warming potential (GWP) = 3 - Kg. 0.045 = 0.000135 Tons CO<sub>2</sub> equiv.

Do not release R290 into the atmosphere.

### DRY NATURE 13

The unit contains R290, a natural greenhouse gas with global warming potential (GWP) = 3 - Kg. 0.050 = 0.000115 Tons CO<sub>2</sub> equiv.

Do not release R290 into the atmosphere.



### INFORMATION FOR THE CORRECT DISPOSAL OF THE PRODUCT IN ACCORDANCE WITH EUROPEAN DIRECTIVE 2012/19/EU

This appliance may not be scrapped with domestic waste at the end of its life cycle. We call your attention to the crucial role played by the consumer in the re-use, recycling and other forms of recovery of such waste.

The appliance must be scrapped by a sorted waste disposal centre or by returning it to the retailer (no charge is levied for this service), when you purchase a new equivalent appliance.

Sorted disposal of electric and electronic equipment prevents the negative effects on the environment and human health resulting from improper scrapping, and also allows the materials from which it is made to be recovered and recycled, with significant savings in terms of energy and resources.

The sorted disposal requirement is indicated by the crossed waste bin label affixed to the appliance.



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