



EN

## DEHUMIDIFIER

### LILIUM EVO 11 – LILIUM EVO 13

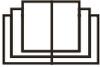


## OPERATING INSTRUCTIONS

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 filled with flammable gas R290.



Before using the appliance, read the owner's manual.



Before installing the appliance, read the installation manual.



Before repairing the appliance, read the service manual.

## The Refrigerant R290

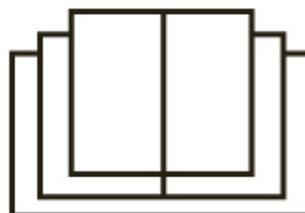
- To realize the function of the air conditioner unit, a special refrigerant circulates in the system. The refrigerant is the fluoride R290 = 3 GWP (Global warming potential). This refrigerant is flammable and inodorous. It can lead to explosions under certain conditions, however the flammability of 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 Argoclima 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, operated and stored in a room with a floor area larger than 4 m<sup>2</sup>.

For repairs, strictly follow manufacturer's instructions only for appliances filled with R290 flammable gas. Be aware that refrigerants do not have any odour.



## GENERAL OPERATING AND SAFETY INSTRUCTIONS

- **This appliance is a highly efficient dehumidifier, designed for domestic use only!**
- Use this dehumidifier only as outlined in this manual. Any other use not recommended by the manufacturer may cause fire, electric shock or malfunctions.
- The unit contains refrigerant; keep it vertical at all times.
- Once you have opened the unit, keep it vertical to allow the refrigerant to stabilise and wait two hours before operating it.
- Ensure that the required voltage and frequency (220-240V/50Hz) match the available power source.
- 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.
- This product is not a toy. Children of less than 3 years should be kept away unless continuously supervised.
- Make sure the plug is inserted fully. Do not use multiple adapters. Do not touch the plug with wet hands. Make sure the plug is clean.
- This product is not a toy. Children should be adequately supervised to ensure that they do not play with the appliance.
- **Disconnect the mains power when the appliance is not in use or during cleaning operations. Keeping the appliance plugged in may cause electric shocks or accidents.**
- To disconnect the appliance, set the switch to OFF and remove the plug from the socket. Only pull on the plug. Do not pull the cord.

- Do not bend, drag or twist the cord, or apply force to remove it. **Do not operate the unit if its cable or plug are damaged; doing so can cause fires or electric shock.** If the power cord is damaged, it must be replaced by a service centre.
- Do not place heavy objects on top of the appliance.
- To prevent water spills, empty the water tank before moving the appliance.
- Do not tilt the dehumidifier onto one side or turn it upside down, as the water which runs out could damage the appliance.
- **Do not operate the unit on unstable or sloping surfaces: water leaks can cause it to malfunction or cause excessive vibration and running noise.**
- The dehumidifier must be positioned **at least 50 cm** away from the wall or other obstacles, so that the heat can dissipate correctly.
- **Close all open windows to maximise dehumidification efficiency.**
- **Do not insert objects or sharp instruments into the air outlet grille.**
- **Do not cover the air intake and outlet grilles in any way.**

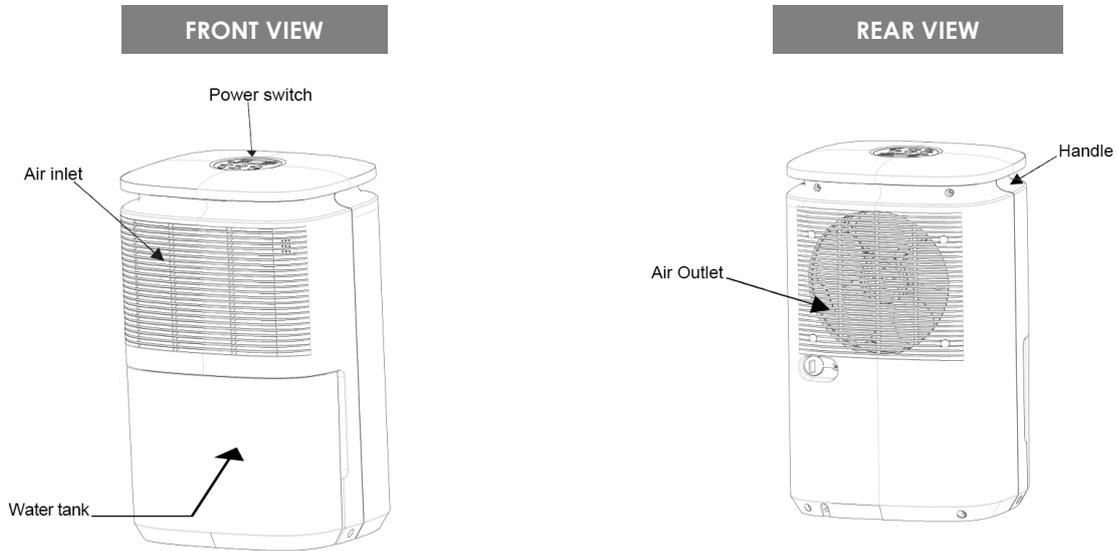
### **WARNING!**

**In the event of an anomaly, switch the appliance off and unplug it immediately. Do not dismantle, repair or modify this product freely. In the event of a malfunction, contact the after-sales service centre directly.**

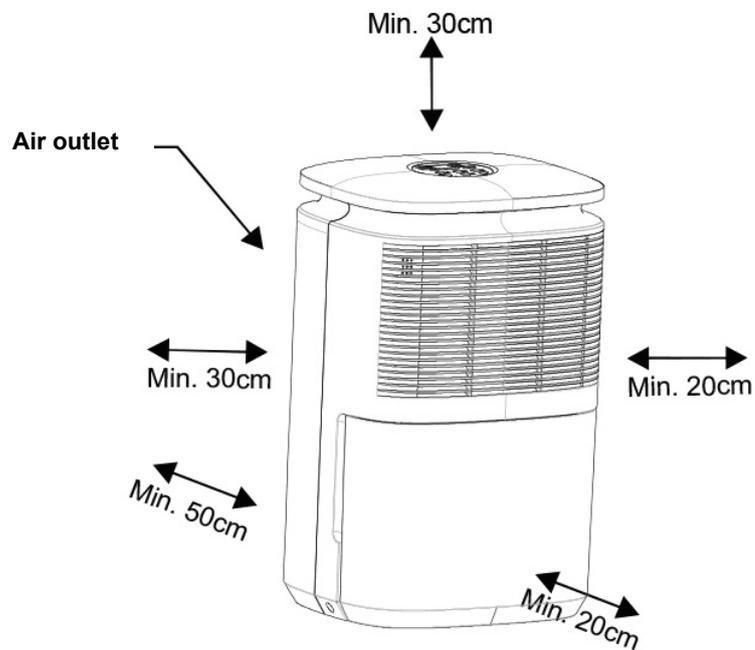
- Do not immerse the power cord, plug or any other part of the appliance in water or other liquids.
- Do not expose the dehumidifier to direct sunlight.
- Keep the appliance well away from sources of heat which could cause plastic parts to become warped.
- Do not spray insecticides, oils or paints near the appliance; doing so may damage its plastic parts or start a fire.
- **Keep flammable gases and oils away from the appliance!**

- Do not move the appliance while it is operating; doing so can cause leaks and malfunction.

## DESCRIPTION OF PARTS



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 ON/OFF on the control panel.

The dehumidifier is designed to operate at ambient temperatures from **+ 5°C to + 32°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 and the defrost LED comes on. 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 5°C.**

### OPERATING PRECAUTIONS

**The appliance will only start operating if the humidity level in the room is above the set value.**

The dehumidifier will continue to operate until the set humidity level has been reached, **with the exception of interruptions caused by a full tank**. In this case, empty and reinstall the tank: the dehumidifier will now 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, on the other hand, the set humidity percentage is higher than the level currently found in the room, the dehumidifier will not start.**

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.**

### TURNING THE DEHUMIDIFIER OFF

To turn the dehumidifier off press the ON/OFF button. This shuts off power to the unit.

Unplug the appliance if you do not intend to use it for some time.

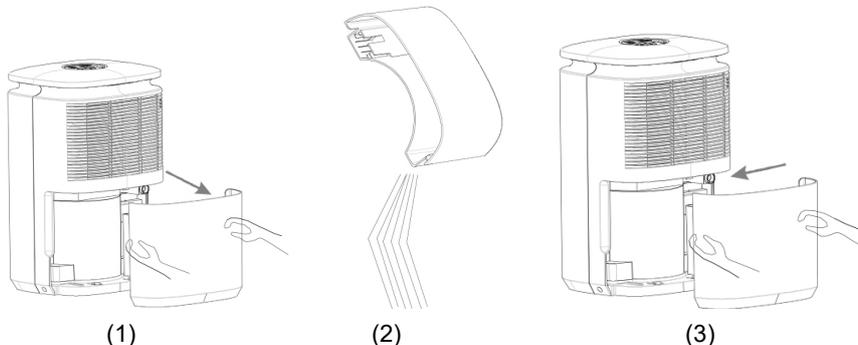
### HOW TO ELIMINATE CONDENSATE

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

When the tank is full, the unit turns off. The FULL TANK led turns on and the unit beeps for about 20 seconds. Empty the tank. Use two hands to empty the tank.

To switch off the appliance, press the ON/OFF 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.



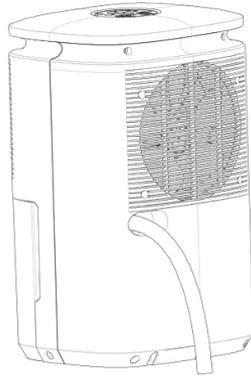
N.B.

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

You can fit a 17 mm internal diameter PVC hose, a 19 mm outer diameter and a 30cm length hose to drain the tank continuous (included).

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



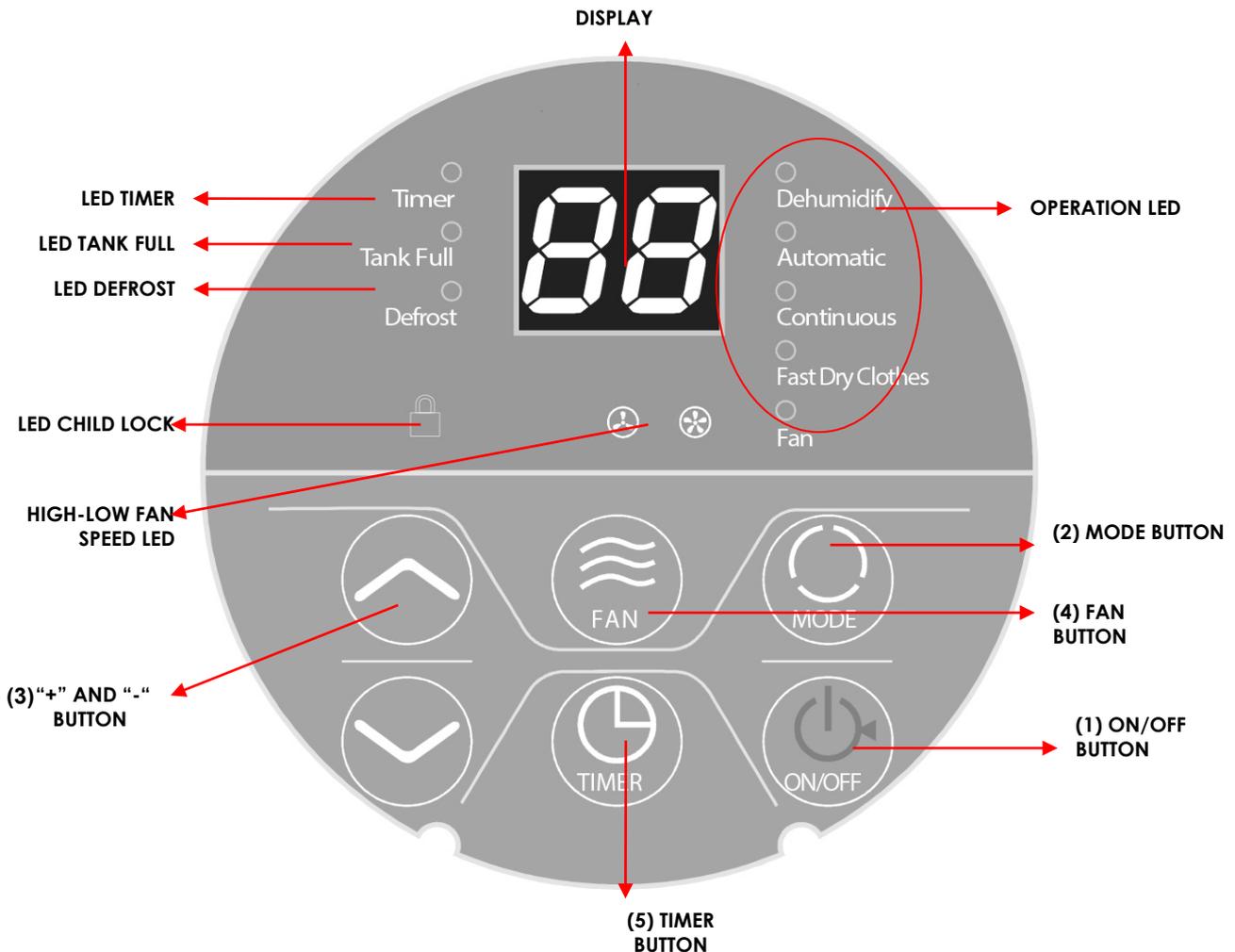
Remove the drain hole cap and connect a PVC hose (supplied) to the drain hole.

Connect the hose to water drain.

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

Occasionally check that the adapter and drainage hose are tightly connected and not damaged or blocked.

## CONTROL PANEL



## BUTTONS

### (1) ON/OFF BUTTON

Press this button to turn the dehumidifier on and off.

### (2) MODE BUTTON

Press this button to enter the mode selection state: the corresponding led will light on. Press "+" or "-" button to set the mode; the current mode led will flash. You can select 4 different modes: Dehumidify, Automatic, Continuous and Fast dry clothes. Press the mode button again to confirm the mode selection.

(3)

### (3) "+" & "-" BUTTON

Press this button to set the humidity, timing and dehumidification mode.

The humidity can be set only in dehumidify mode from 30% to 80% by pressing these buttons.

The timer can be set from 1 to 24 hours by pressing these buttons.

The dehumidification mode can be set by pressing MODE button and then "+" and "-" buttons; the corresponding led indicator lights on.

### (4) FAN BUTTON

Press this button to set the fan speed: high and low speed; the corresponding led lights on.

NOTE: This button is valid only when DEUMIDIFY and FAN mode are set.

### (5) TIMER ON/OFF BUTTON

Press this button to set the timer from 1 to 24 hours.

If the timer is set to 0 and you press TIMER button or there is no operation in 5 seconds, the dehumidifier will automatically enter the time off work state.

If the timer isn't set to 0 and you press TIMER button, the dehumidifier will automatically enter the time off work state and led lights off; if you don't press the TIMER button and there is no operation in 5 seconds, the time will set automatically and LED TIMER lights on. After 5 seconds, the humidity level will return on display.

## LED

### DISPLAY

Shows the relative humidity setting.

### TIMER LED

Shows the timer setting.

### TANK FULL LED

When the tank is full, the TANK FULL LED lights on and the dehumidifier stops running. A 10 second beep sounds. Remove the tank and empty it (as indicated in "HOW TO ELIMINATE CONDENSATION"), then restore it; the dehumidifier will start running again.

When the tank is not correctly positioned, the unit will sound a beep lasting approximately 10": then the LED will turn on. Reposition the tank correctly..

### DEFROST LED

The dehumidifier is designed to operate at ambient temperatures from **+ 5°C to + 32°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 and the defrost LED lights on. The compressor stops, but the fan continues running.

**We recommend not using the dehumidifier in room temperatures lower than 5°C.**

### CHILD LOCK LED

To disable the buttons, press the "+" and "-" buttons for 3 seconds: the LC symbol will appear on the display and the unit will sound a beep. To reactivate the control panel, press the "+" and "-" buttons again for 3 seconds.

### FAN SPEED LED

Shows the fan speed: HIGH or LOW.

### OPERATION LED

You can select one of the following dehumidification modes: the corresponding LED will turn on.

- **DEHUMIDIFY mode:** the compressor is workable and the fan speed is adjustable. The initial humidity is 55%, low speed. Humidity range is 30%-80% adjustable.
- **AUTOMATIC mode:** the compressor is workable and the fan speed is un-adjustable. The initial humidity is 55% and can't be set. Fan speed is automatic. If the humidity is higher than 70%, the compressor is working and the fan speed is high. If the humidity is between 55% and 70%, the compressor is working and the fan speed is low. If the humidity is less than 55%, the compressor stops working and the fan speed is low.
- **CONTINUOUS mode:** the compressor runs continuously and the fan speed is low.
- **FAST DRY CLOTHES mode:** the compressor runs continuously and the fan speed is high.
- **FAN modes:** the compressor isn't working and the fan speed is adjustable.

MODE	COMPRESSOR	FAN SPEED	DEFROST	TIMER	TANK FULL ALARM	HUMIDITY SETTING
Fan	NO	Adjustable	NO	YES	YES	NO
Dehumidify	YES	Adjustable	YES	YES	YES	YES
Automatic	YES	Adjustable	YES	YES	YES	NO
Continuous	YES	Low	YES	YES	YES	NO
Fast Dry clothes	YES	High	YES	YES	YES	NO

### LED COLOR:

The front LED under the control panel changes colour in according to the humidity level in the room:

- When the room humidity is lower than 50% ( $\leq$ ), the led light is BLUE.
- When the room humidity is between 50% to 70%, the led light is GREEN.
- When the room humidity is higher than 70% ( $\geq$ ), the led light is RED.

**AUTO RESTART:** the dehumidifier starts up again after a power failure.

## CLEANING AND MAINTENANCE

### MAINTENANCE OF THE HUMIDIFIER'S EXTERIOR SURFACE

**⚠ Warning**

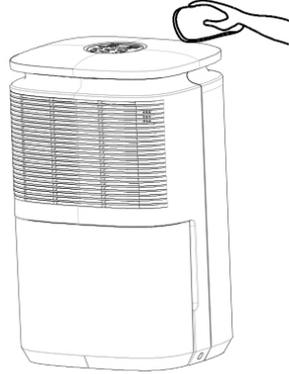
Always pull the dehumidifier's plug out of the power socket before cleaning it, to prevent electric shock and malfunction.

**⚠ 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; swill the water around in it, then it out and rinse it thoroughly.

### CLEANING THE AIR FILTER

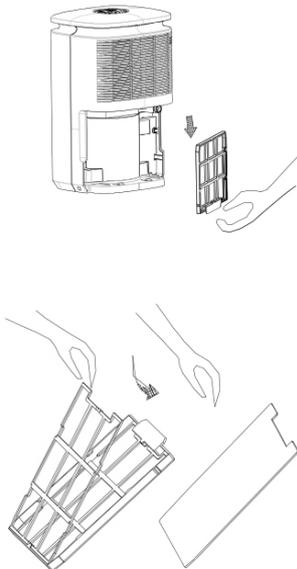
The filter is designed to remove dust or dirt from the air.

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

Cleaning instructions:

1. **Remove the tank.**
2. **Remove the filter by pulling the flap and pulling down the filter until complete extraction. Clean the filter with a vacuum cleaner or wash it with clean water at no more than 40°C. DO NOT USE ALCOHOL, BENZENE OR OTHER AGGRESSIVE PRODUCTS TO CLEAN THE FILTER. Leave the filter to dry naturally, then reposition it in the relevant slot.**
3. **Reinsert the filter pushing it upwards until you hear a sound.**
4. **Reposition the tank.**

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. It is not possible to adjust the settings.	The temperature is above 32 ° C or below 5 °C. The internal tank is full. The tank is not positioned correctly. The set humidity level is higher than that in the room.	Empty the tank Position the tank correctly
The noise suddenly increases while running	The compressor has just started. There is a power connection problem. The unit is placed on an uneven surface.	
Condensation is not collected in the tank	The room is too big for the unit's capacity. The doors are open. There are other devices producing moisture in the room.	
Reduced dehumidification effect	The room temperature is too low. The set humidity level is inadequate. The filter is full of dust. The doors and windows are open. 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.  Clean the filter. Close any doors and windows.
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. The drainage hose is not connected properly.	Connect the hose correctly. 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. Make sure that the electric circuit and plug are not damaged. 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 clothing can't be dry fast.	Whether the room temperature is very low.	The wet clothing may dry more slowly in low temperature.
The dehumidifier stops intermittently during the operation.	The defrosting.	
The humidity of the room can't reduce.	The room area is too big, which is over its application scope. The door and windows of the room aren't closed. The machine unit is operated with a kerosene heater which releases steam.	
Unpleasant smell.	The smell may come from the wall, furniture and other things.	
The machine unit makes a sound during operation.	The sound made by the flowing of the refrigerant may eliminate or lower automatically while the system operates stably.	
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

### LILIUM EVO 11

The unit contains R290, a natural greenhouse gas with global warming potential (GWP) = 3 - Kg. 0.035 = 0.000105 Tons CO<sub>2</sub> equiv.

Do not release R290 into the atmosphere.

### LILIUM EVO 13

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.



### 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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