

# INSTRUCTIONS FOR USE CEILING-MOUNTED DEHUMIDIFIER

Model: DeAir.RE-60CL



This product is manufactured and distributed by DeAir Joint Stock Company.



# Contents

- 1. General Safety Warnings ..... 1
- 2. Electrical Safety ..... 1
- 3. Installation Location Requirements (Ceiling Hanging Machine) ... 1
- 4. Operation and Maintenance ..... 2
- 5. Specifications ..... 2
- 6. Functional Operation ..... 2
- 7. Settings ..... 4
- 8. Operating and Storage Notes ..... 4
  - 8.1. Mechanism of Operation and Environment: ..... 5
  - 8.2. Auto Defrost Mode: ..... 5
  - 8.3. Maintenance and Cleaning: ..... 5
  - 8.4. Important Warnings for Transportation & Installation ..... 5
- 9. Errors and problems ..... 6
  - 9.1. Errors reported on the screen and how to handle them ..... 6
  - 9.2. Troubleshooting ..... 6
- 10. Maintenance ..... 7

Thank you for choosing our products! This user manual is essential for the installation, operation, and maintenance of the equipment. Please follow all instructions in this document to maximize the dehumidification effect, and to overcome possible situations to improve the life of the device.

## PRODUCT REGISTRATION

Record the serial number of the dehumidifier in the space provided below for future maintenance.

Serie Number:-----

**IMPORTANT:** Please keep a copy of your bill of sale and warranty card for DeAir warranty service.

## WARRANTY

The warranty period is 24 months from the date of purchase of the product.

The warranty is limited to the free replacement of accessories of any defective parts, or manufacturing defects that occur within the warranty period.

All warranty claims must specify the model/serie number. These details are printed on the unit identification plate.

Read all in the instructions before using this dehumidifier. To reduce the risk of fire, electrical problems to humans when using a dehumidifier, follow basic precautions.

In the event of any defect or damage to the product, contact DeAir immediately via

Hotline: 0914 242 708 - 0911 989 708

## 1. General Safety Warnings

- Read the instruction manual carefully before operation and keep the documentation for future reference.
- This appliance is intended for commercial, light industrial or professional users; children and unauthorized persons may not operate on their own.
- If an unusual burning smell, noise, or vibration is detected, disconnect the power supply immediately.

## 2. Electrical Safety

- Use only a standard 220-240V/50Hz AC power supply. Make sure the power voltage matches the parameter on the device label.
- The socket and enclosure are required to be securely grounded (grounded) and securely secured.
- Do not use adapters, multi-port split sockets, or extension cords to connect the device.
- Do not unplug by yanking the power cord. If the power cord is damaged, it must be replaced by the manufacturer or a professional technician.
- Disconnect the power supply when not in use for long periods of time or before cleaning or maintenance.

## 3. Installation Location Requirements (Ceiling Hanging Machine)

- The Machine must be suspended/secured firmly, ensuring balance for load bearing and vibration resistance.
- Technical distance: Install the machine at least 30cm away from the wall and the side (circuit board/door side) at least 50cm away from the obstruction to ensure airflow and space for the maintenance technician.
- Do not cover the Return Air and Supply Air inlets. Never let the item obstruct the airflow.

- Do not install the machine near a heat source (heater), where chemicals, acids, or where it is exposed to direct sunlight, rain, windstorms.
- The drain pipe must be installed with a suitable slope, not kinked or pinched so that the water drains naturally (avoiding backflow to the ceiling).
- Do not drain water to an area with too low a temperature (causing freezing of hose blockage).

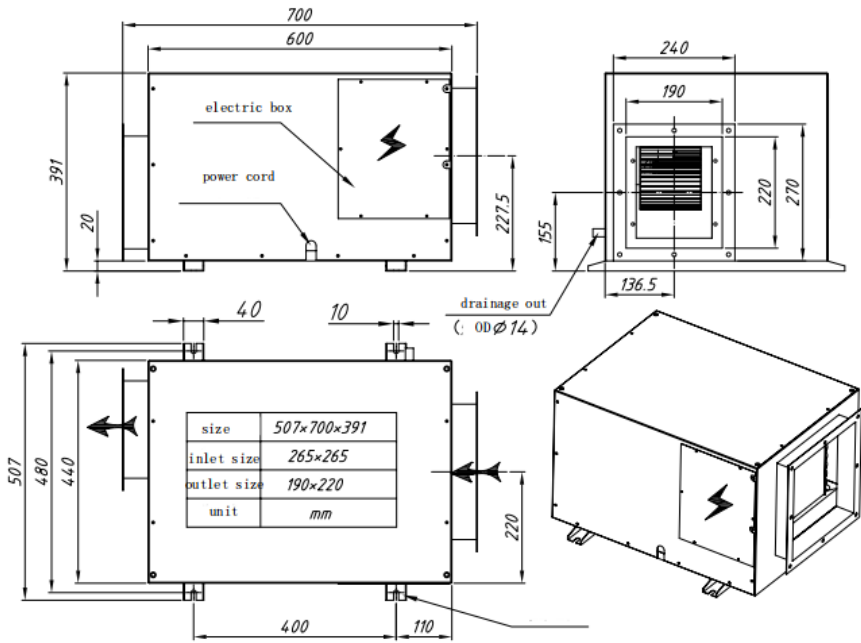
## 4. Operation and Maintenance

- Do not operate the machine when the ambient humidity is below 30% (to protect the device and save energy).
- Regularly check and clean the dust filter at the air inlet. Make sure the machine and power supply are free of heavy dirt.
- All repairs and technical interventions must be carried out by qualified professionals.

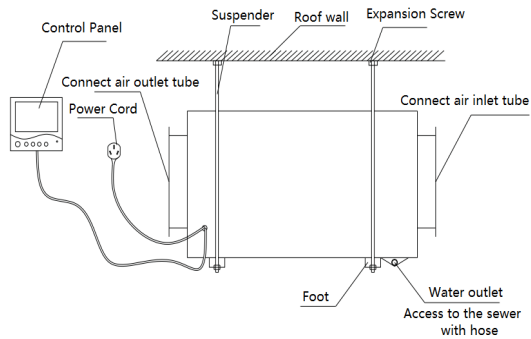
## 5. Specifications

<b>Model</b>	<b>RE-60CL</b>
Voltage	220V/50HZ
Hygroscopicity	60L/D
Capacity	780W
Current	4.7A
Cool side, maximum pressure	1.0Mp
Hot Side Maximum Pressure	2.5Mp
Working Temperature	5-38°C
Weight	42KG
Dimensions	407x700x391mm

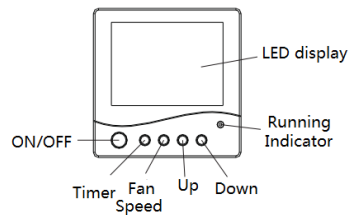
## 6. Functional Operation



Ceiling Dehumidifier Installation Diagram



Control Panel and User Manual



## 7. Settings

- Power Key (POWER/ON-OFF): Used to Start or Shut Down the device.
- Adjustment Keys (+/- or Up/Down):
  - Used to set the desired humidity (Humidity Set-point).
  - Press the Increase (+) or Decrease (-) key to change the humidity value. Hold down for faster increase/decrease. When the desired value is reached, release your hand, the memory will automatically save the setting after a few seconds.
- Timer Key (TIMER): This function allows the Auto On or Auto Off time to be set (between 1 – 24 hours):
  - Machine On Timer: When the machine is Off (standby mode), press the "Timer" button. The display flashes, press the (+) or (-) key to select the delay time you want the machine to start. The Timer indicator light will turn ON.
  - Shutdown Timer: When the machine is in Operation, press the "Timer" button. The display flashes, press the (+) or (-) key to select the time you want the machine to turn off automatically. The Timer indicator light will turn ON.
- System protection functions:

a. Auto Defrost Mode: When the sensor detects that the indoor unit is frozen, the compressor will automatically shut off for protection, while the blower is still running to defrost. The machine will work normally again after draining all the ice.

b. Compressor Delay Protection: To protect the life of the engine, the compressor will have a start-up delay mode of about 3 minutes after a sudden shutdown or power shutdown.

c. Fault Warning System: If a problem occurs, the display will show the Error Code (e.g. E1, E2...). Please look up the error code table for a handling plan.

## 8. Operating and Storage Notes

## 8.1. Mechanism of Operation and Environment:

- **Protective Delay Mode:** After powering on, the compressor (Block) will start with a **delay of 3 minutes** to protect the gas pressure system and the engine.
- **Operating Temperature Range:** Dehumidifiers work best in environments with temperatures between **+5°C and +32°C**.
- **Air circulation distance:** Make sure to maintain a safe, unobstructed distance in front of the return air inlet and supply air outlets for the best airflow.

## 8.2. Auto Defrost Mode:

- When the ambient temperature drops (usually below 18°C), the indoor unit may freeze. The appliance will automatically activate the defrost mode.
- **Principle:** During this process, the compressor will temporarily stop working, but the blower will still run to thaw the ice on the indoor unit.
- **Identification Sign:** The 'Defrost' **symbol** and the 'FAN' **indicator light** on the control screen will flash. After draining all the ice, the machine will automatically return to normal dehumidification mode.

## 8.3. Maintenance and Cleaning:

- **Cleaning the filter:** It is necessary to remove and clean the filter periodically **once a month**. Use clean water (warm water below 40°C can be used) to wash gently, let it dry before refitting.

## 8.4. Important Warnings for Transportation & Installation

- **Allowable inclination:** During transportation or lifting the machine to the ceiling for installation, absolutely **do not tilt the machine more than 45 degrees**. This is to prevent cold oil from flowing back into the gas pipe causing damage to the compressor.

- **Tilt troubleshooting:** If the unit is accidentally tilted excessively or tipped over during transport, the machine should be placed in a balanced position and **allowed to stand still for at least 12 hours** before energizing operation (allowing the compressor oil to return to its original position).

## 9. Errors and problems

### 9.1. Errors reported on the screen and how to handle them

Volume1	REASON	FRENCH ADVICE
E1	They're not going to be able to do anything about it.	Seeing that I was sad and sad.
E2	Lowhumidity	Changing the humidity
E3	The Problem of Child Abuse	Replacing the Temperature Sensor
E4	Heat Hazard	Contact an expert for inspection and repair
E5	High room level	The dehumidifier will not be able to operate in the first place.

### 9.2. Troubleshooting

Volume1	CAUSES	FRENCH ADVICE
Dehumidifier does not burn	<ul style="list-style-type: none"> <li>● The exam is not stupid.</li> <li>● The plug must not be properly maintained.</li> <li>● E4 Hole Code Display</li> </ul>	<ul style="list-style-type: none"> <li>● I'm stupid.</li> <li>● Plug the plug properly</li> </ul>

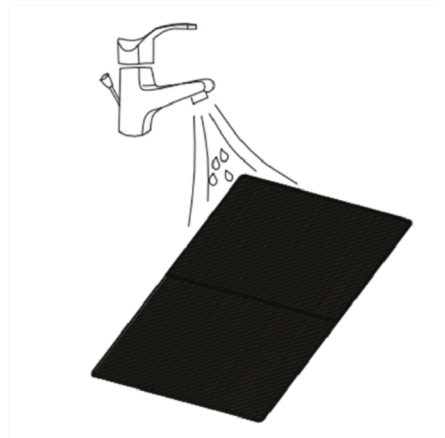
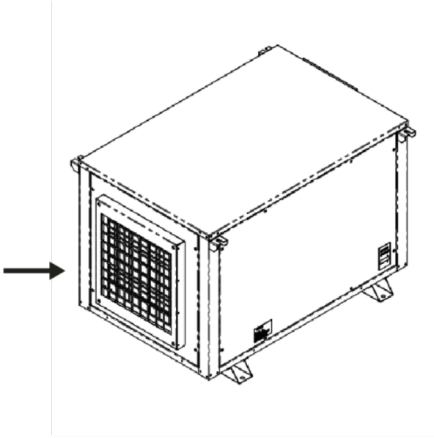
Poor moisture absorption	<ul style="list-style-type: none"> <li>● How can you do that?</li> <li>● The ventilation hole in or out of the pit is covered.</li> <li>● The room is not closed.</li> <li>● Humidity and humidity.</li> </ul>	<ul style="list-style-type: none"> <li>● Birth defects.</li> <li>● Min the suction and exhaust</li> <li>● Seal all entrances and exits.</li> <li>● The more comfortable the room, the poorer the moisture absorption.</li> </ul>
High noise level	<ul style="list-style-type: none"> <li>● The exam is not to be taken on the same page.</li> <li>● Pass the air into the pit or out of the cavity covered .</li> </ul>	<ul style="list-style-type: none"> <li>● Especially the exam is not on the surface.</li> <li>● Min the suction and exhaust</li> </ul>

## 10. Maintenance

### AIR FILTER CLEANING (every two weeks)

The air filter is easily removable for cleaning. Do not operate the machine without an air filter or evaporator as this may become contaminated.

- Clean the machine with a soft wet cloth.
- Remove the filter cap to remove the filter.
- Remove the filter grille from the appliance.
- Use a running water hose to rinse the filter. Dry the filter before placing it in the machine. Filters that are cleaned regularly will increase the efficiency and capacity of the machine.



**Warning:** Do not touch the surface of the evaporator with bare hands to avoid injury to fingers.

### CAUTION!

- The machine is suitable for a temperature of 5°C ~ 40°C, grounded when the machine is working.
- To avoid damage to the machine when moving, do not tilt the dehumidifier more than 45°.
- When flushing continuously, place the drain hose in a horizontal position at an angle greater than or equal to 5° and not higher than the drain.
- Before repairing the machine or washing the machine, make sure that the machine is powered off.
- Do not use chemicals, volatile solvents, or corrosive solutions to wash the machine.
- Do not wash the machine in water hotter than 40°C, as the surface of the machine will be faded and damaged.
- Use a soft, clean cloth to dry the machine. If the outside of the machine is dirty, you can use neutral detergents and water to clean the machine.
- To avoid electrical leakage, do not wash the machine directly with water.

- When the machine is operating, the compressor generates heat, which is normal.
- The machine does not have an explosion-proof function, do not use the machine in a flammable and combustible place.
- When the plug cord is damaged, please call the supplier or an electrical professional for help.
- If the machine is used in a dusty environment, please take measures to prevent dust from entering the machine.





**FOR ANY QUESTIONS, PLEASE CONTACT  
OUR CUSTOMER SERVICE CENTER**



**Hotline: +84 925 977 579**

