



Origin Corporate Services Pvt Ltd.

Address: 906, Dalamal Tower, Nariman Point, Mumbai - 400 021.

Tel : +91 915 200 49 49 | +91 22 49267267 | +91 22 49267201

Web Site : [www.origincorp.com](http://www.origincorp.com) | Email : [response@origincorp.com](mailto:response@origincorp.com) |



# Instruction Manual for Origin Dehumidifier O<sup>50</sup>

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Thanks for choosing Origin de-humidifiers and we highly recommend you to have a careful reading of the instructions before using the devices. It will provide you with necessary information for proper use and maintenance.

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**11. Packing list:**

- 10.1 Dehumidifier \*1piece
- 10.2 Instruction Manual \*1 piece

## 9 TROUBLESHOOTING

Please do not worry if you meet following problems in the use of dehumidifier. When confirmed as failure, timely contact for repairing.

Problems	Phenomenon/Reason	Solutions
Dehumidifier does not work.	<ol style="list-style-type: none"> <li>1. Could be a power outage.</li> <li>2. The power switch is not on.</li> <li>3. Maybe the fuse has blown out.</li> <li>4. It's not the definite starting up time.</li> <li>5. The water tank may be full or not fixed well, and the light of full water on screen is flashing.</li> </ol>	<ol style="list-style-type: none"> <li>1. Please wait for power supply.</li> <li>2. Turn on the power switch.</li> <li>3. Change the fuse.</li> <li>4. Wait or cancel the time setting.</li> <li>5. Pour out water of water tank, then put it back.</li> </ol>
Unsatisfied dehumidification effect.	<ol style="list-style-type: none"> <li>1. The humidity setting is inappropriate.</li> <li>2. The front and back of the dehumidifier may be blocked.</li> <li>3. Dehumidification time may be not enough.</li> <li>4. Door and window may be open.</li> <li>5. The temperature indoor is lower than 5°C or higher than 35°C.</li> </ol>	<ol style="list-style-type: none"> <li>1. Set appropriate humidity.</li> <li>2. Clear the obstructions.</li> <li>3. Keep waiting.</li> <li>4. Close door and window.</li> <li>5. Please use the machine in the temperature of 5~35°C.</li> </ol>
Turn on immediately after shutdown, dehumidifier does not dehumidify.	3 minutes delay protection of compressor.	The machine will work after 3 minutes.
Water leakage	<ol style="list-style-type: none"> <li>1. Drain connection is slack.</li> <li>2. The drainage system is blocked</li> <li>3. The water tank isn't placed well.</li> </ol>	<ol style="list-style-type: none"> <li>1. Connect the drain.</li> <li>2. Clean the stopper.</li> <li>3. Place the water tank well.</li> </ol>
Frost formation.	There is frost on the surface of dehumidifier.	It's normal, the machine can defrost automatically.
The dehumidifier has a slight wobble.	A slight wobble occurs when turn on/off dehumidifier.	It's normal phenomenon.

## 1. IMPORTANT NOTICE

- Always keep the unit in vertical position and on a firm flat surface at all times.
- Ensure that there is at least 300mm (1") between the sides of the appliance and any flammable, heating materials.
- Do not place on soft surfaces.
- Do not cover the appliances intake or outlet grilles.
- For indoor use only.
- Not suitable for use in cabinet, closet, boats, caravans or similar locations.
- Leave the unit to stand for one hour before connecting to the mains supply after transport or when it has been tilted (e.g. during cleaning).
- Do not obstruct the air intakes and exhausts.
- The mains supply must conform to the specification shown on the rating plate at the back of the unit.
- Avoid overloading circuits, which is caused by using more electrical amps than your wiring can support. Overloading electrical wires can cause excessive heat and electrical fires.
- Avoid the appliance from splash.
- Examine the cord carefully. Make sure that it is not punctured or frayed. Inspect the plug to ensure that the prongs are secure and the plastic surrounding it is not cracked.
- Avoid running cords under carpets and other areas where you cannot regularly check their condition.
- Avoid over-twisting, -coiling, -pulling the power cord, never use nylon or iron wire to tie the power cord.
- Do not leave appliance when plugged in, unplug from outlet when not in use and before servicing. Connect to a grounded outlet only.
- If the supply cord is damaged, it must be replaced by an approved service representative or a similar qualified person in order to avoid a hazard.
- Never use the plug to start and stop the unit. Always use switch on the control panel.
- Before moving the unit, turn off all controls, then unplug and empty the water tank.
- Don't use bug sprays or other flammable cleaners on the unit.
- Never pour or spray water over the unit.
- This appliance can be used by children aged from 8 years and above and persons 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.
- **STAY ALERT!** Watch what you are doing and use common sense. Do not use the appliance when you are tired, distracted or under the influence of drugs, alcohol or medication causing diminished control.
- Only a licensed professional is allowed to dismantle or modify the appliance.
- Suggest to send the appliance for professional maintenance periodically.

## 2 MATTERS NEED ATTENTION

This section describes important aspects of safety matters to prevent personal injury or property damage to users and others. Please read the text on the basis of fully understanding the following contents (logo, icon), and be sure to follow the safety precautions listed.



When cleaning, be sure to stop the operation and turn off the power switch.  
The internal rotor rotates at high speed and may cause injury. Prevent accidental electric leakage and cause electric shock.  
Please clean the air filter frequently  
Contamination of the air filter screen may result in reduced dehumidification, reduced comfort and increased power consumption.



It is forbidden to replace the power cord without authorization, or connect the power cable in the middle and other appliances in parallel.  
Unauthorized replacement, mid-way connection, overload use may cause electric shock or fire. If the power cord is damaged, please entrust your local dealer or service outlet for repair.  
Unauthorized disassembly, modification, repair or cleaning of internal components is prohibited.



It is forbidden to store flammable and explosive gases in the place where the dehumidifier is used.  
Leaks of flammable and explosive gases collect around the components and may cause accidental ignition.  
Do not place the dehumidifier near a heat source as this may cause deformation or fire.



Do not operate the dehumidifier with wet hands.  
Contact with water inside the dehumidifier may cause leakage, and wet operation may cause electric shock.  
Do not flush the dehumidifier directly with water. Do not place the dehumidifier near water, as this may cause water to splash into the machine, causing leakage or short circuits.



Do not put your hand into the air inlet, do not climb or sit on the dehumidifier.  
This can cause the device to deform or cause a fire.

## 7 TECHNICAL SPECIFICATION

Extraction capacity (30°C, 80% RH)	54L/d
Air Flow	360 m <sup>3</sup> /hr
Power rating	695 watts
Power source	220V~/50Hz
Temperature Operating range	5°C - 35°C
Operating humidity	40%-80% RH%
Tank capacity	8 ltrs
Dimensions (WXDXH)	17*13*27 inches
Refrigerant	R-410a
Compressor	Rotary
Packing weight	24 kgs

### Notes:

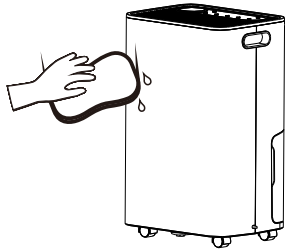
- 1) The above performance parameters are determined according to the standard requirements, and the dehumidification amount and noise index are measured before leaving the factory.
- 2) Dehumidification amount in performance parameters, measured in high wind.
- 3) Test maximum input power at maximum dehumidification condition.
- 4) If the performance parameters are changed, the data provided on the nameplate shall prevail.

## 8 ERROR CODE EXPLANATION

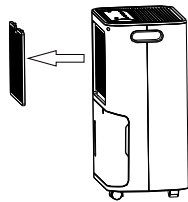
Fault Code	The failure	How to do with it?
E1	Temperature sensor breakdown	To replace with new temperature sensor.
E2	Humidity sensor breakdown	To replace with new humidity sensor.
HI	High current ambient humidity (> 95%)	To keep windows and doors closed and continuous usage.
LO	Low current ambient humidity (< 30%)	The current environment doesn't need a dehumidifier.
HL	Low or high current temperature	Please use the dehumidifier in temperature range of 5~35°C.

## 6 MAINTAINING

### 6.1 Cleaning

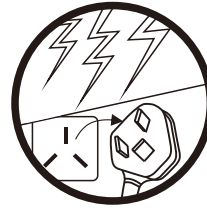
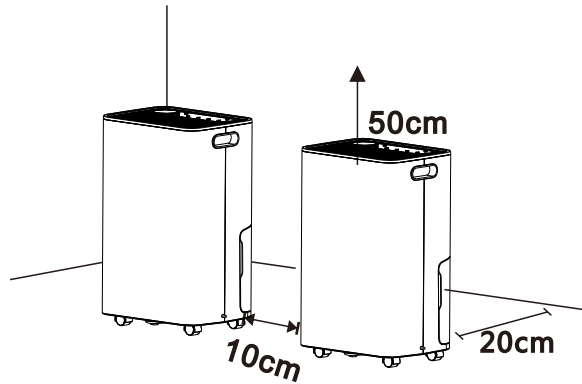


Wash the cleaning cloth in clean water, wring it out, and gently wipe the surface of the machine.



Remarks:  
Clean the filter screen twice a month to ensure a healthy environment and energy saving.

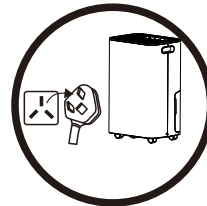
### 6.2 Placing



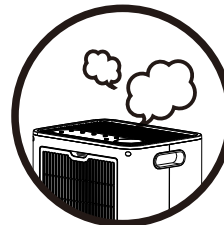
In thunderstorms, the power must be disconnected. Failure to disconnect the power supply may result in lightning strikes and damage to the dehumidifier.



Place the dehumidifier on a stable level surface. If the ground is not flat, it may affect the use of the dehumidifier. Never throw or place anything inside the dehumidifier.

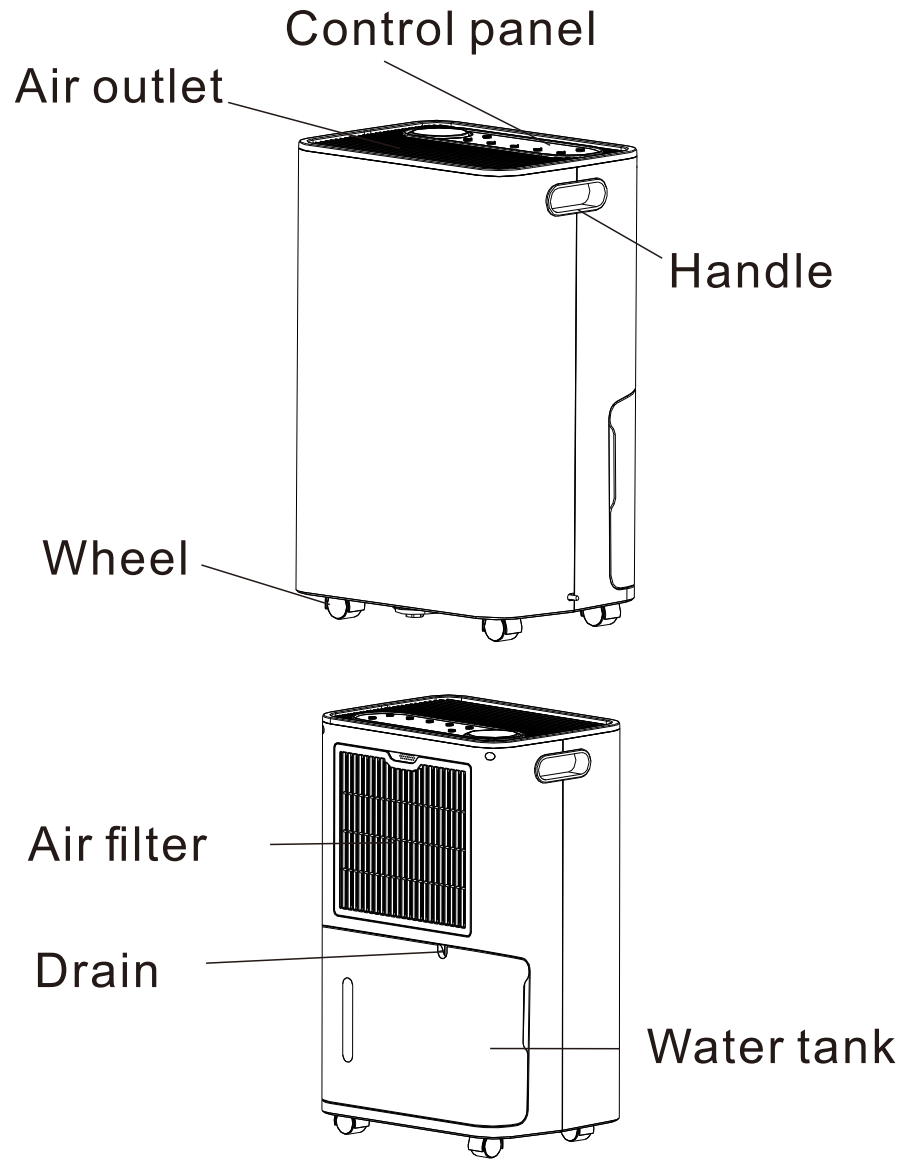


Do not turn off the dehumidifier directly with the power switch. Turning off the dehumidifier with the power switch may result in electric shock, fire, etc. Always use the control panel to stop the dehumidifier operation. Turn off the power switch when not in use for a long time. Dust accumulation may cause leakage, loss, heat, fire, etc. Turn off the power to avoid lightning strikes.



When an abnormal phenomenon (such as a burnt smell) occurs, the operation must be stopped and the power supply turned off. Continued use may result in malfunction, electric shock or fire. Please entrust your local dealer or service outlet for repairs.

### 3 APPEARANCE AND STRUCTURE



### 5.2 DRAIN INDICATOR

**Water level float.**

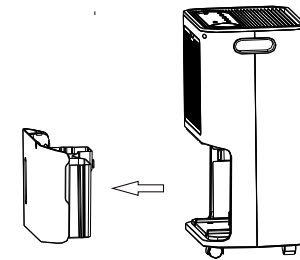
Do not remove the float from the tank. If the float in the tank is removed, the machine will not turn on or start.

**Put water tank back.**

When placing in the water tank, push the water tank into the machine with both hands and put it in place. If the water tank is not put in place, the machine will not be able to start or turn on the water after the operation, the machine will overflow.

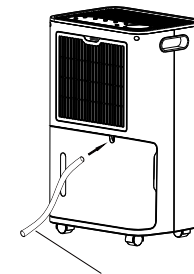
**Clean the water tank**

If the water tank is dirty, clean it with cold/warm water. Do not use detergent, steel ball, chemically treated dust cloth, gasoline, benzene, thinner or other solvents as it may damage the water tank.



**Continuous Drain**

This product has a continuous drain hole that is connected by a plastic tube (11mm inside) through which water can be drained. When using a water pipe, do not immerse the water outlet in the water to prevent the pipe from being too long or the pressure is formed in the pipe when the water outlet is blocked. The water flow is not smooth, resulting in water leakage.



Drainage piper

## 5 OPERATING INSTRUCTIONS

1. When the substrate is powered on for the first time, the substrate enters the standby state, press the power button to enter the running state, and the first power-on and start-up operation is continuous dehumidification, the motor runs at low speed, the continuous dehumidification indicator lights, if it is turned on again after the power is off, Humidity setting before memory shutdown.

2. Press the humidity mode button, the humidity can be switched between 70% 60% 50% 40% continuous dehumidification, the corresponding indicator light is on, if the set humidity is greater than the current ambient humidity +5%, the machine will stop working after 5 seconds. When the set humidity is lower than the current ambient temperature, the machine will work normally.

### 5.1 DEHUMIDIFYING RUNNING

1. When the compressor has passed the protection for 3 minutes and the indoor humidity  $\geq$  set humidity + 5% RH, the compressor will work again.

2. When the indoor humidity < set humidity - 5% RH, the compressor is turned off.

3. Set the humidity - 5% RH < indoor humidity < set humidity + 5% RH to keep the original compressor working.

4. The compressor stops the fan if it has not been operated for three minutes after the humidity has dropped.

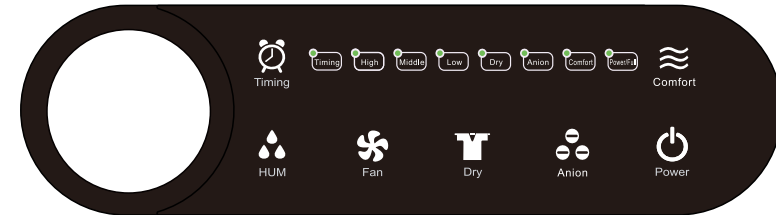
5. When the machine beeps three times and the water full indicator light is on, the machine stops working. The water in the water tank needs to be drained and the water tank is reinstalled. If the water full indicator light is still on, check whether the water tank is in place. The operation is started until the water full indicator is off.

6. Defrost

A) After the machine starts to run for 30 minutes, the copper head coil sensor starts to detect the tube temperature. When the tube temperature is  $\leq$  -1 °C (there is 3 minutes of detection time), the compressor stops and the fan runs, and the defrosting operation starts. The lights are shining.

B) When the temperature sensor detects that the coil temperature on the evaporator is greater than or equal to 5 degrees and the detection is greater than or equal to 5 degrees for 3 minutes, the defrosting is exited.

## 4 FUNCTION OF THE BUTTON



### 4.1 OPERATION

#### POWER



Press " power " to start the dehumidifier. Press again to stop the dehumidifier.

#### HUMIDITY SETTING



Press "HUMIDITY" button to set the required humidity. It can be chose "CO" (continuous dehumidifying) and 40%~70%. It sets 10% by every press.

#### TIMING



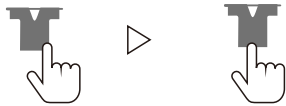
Press the "Timer" button, the timing indicator lights up in green, the timing time can be adjusted in 1-24 hours, and then press the "Timer" button until the display shows 00. After eight flashes, the display shows the current humidity and the timing function is turned off.

## ENERGY SAVING AND COMFORT



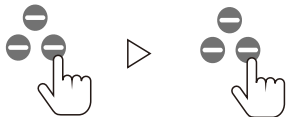
Press the "energy saving" or "comfort" button to turn on the energy saving mode, the humidity is 60%, and the low wind speed is running. Press the "Energy Saver" or "Comfort" button again to cancel the energy save mode.

## DRYING CLOTHES



Press the "dry clothes" button to increase the wind speed and enhance the hot air effect.

## ANION



Press the "ANION" button to turn on the negative ion sterilization function.

## FAN



Press the "FAN", "high", "middle", "Low" can be selected.

### Remarks:

In the dry clothes and energy-saving mode, the humidity and wind speed are automatically controlled by the dehumidifier, and the manual adjustment of humidity and wind speed is invalid.

## 4.2 INDICATOR LIGHTS

### POWER ON/OFF:

When the power cord is plugged in, the machine display shows the current ambient humidity. Press the power button, the power indicator will light green, and the machine will start running when the humidity is lower than the current ambient humidity.

### WATER FULL:

When the water tank is full, the full water indicator lights red, the compressor and the fan stop working, and the buzzer sounds three times to remind the user to empty the water in the water tank and ensure that the water tank is returned to its original position.

### TIMING:

When the timing is activated, the timing indicator will be green.

### LOW WIND SPEED:

When you set the wind speed to low, the low wind indicator will be green.

### MIDDLE WIND SPEED

When you set the middle wind speed to middle, the middle wind indicator will be light green.

### HIGH WIND SPEED:

When you set the wind speed to high, the high wind indicator will show green.

### DRYING CLOTHES:

When the dehumidifier is set to the "dry" mode, the wind speed is set to high and runs in continuous dehumidifying mode, and the indicator light is green.

### COMFORT:

When the dehumidifier is set to "Comfort" mode, the wind speed is set to low, the humidity is set to 60%, and the indicator light is green.

### ANION:

When set "ANION", the anion button will turn green.