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› [iOCHOW](#) /

› [iOCHOW 50L/Day Electric Compressor Dehumidifier User Manual](#)

iOCHOW C8-0815

# iOCHOW 50L/Day Electric Compressor Dehumidifier User Manual

Model: C8-0815

## 1. INTRODUCTION

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Thank you for choosing the iOCHOW 50L/Day Electric Compressor Dehumidifier. This manual provides important information regarding the safe operation, installation, maintenance, and troubleshooting of your dehumidifier. Please read this manual thoroughly before using the appliance and keep it for future reference.

This powerful dehumidifier is designed to effectively remove excess moisture from large spaces, improving air quality and preventing issues like mold and mildew. It is suitable for various environments including homes, offices, classrooms, garages, and basements.

## 2. SAFETY INFORMATION

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**WARNING: Please read all safety warnings and instructions carefully before using this appliance to reduce the risk of fire, electric shock, or injury.**

- Always connect the dehumidifier to a grounded power outlet.
- Do not operate the unit with a damaged cord or plug.
- Do not block air inlets or outlets. Maintain at least 20 cm (8 inches) clearance around the unit.
- Do not use the dehumidifier in areas where flammable gases or liquids are present.
- Ensure the water tank is correctly installed before operation.
- Unplug the unit before cleaning or performing any maintenance.
- This appliance uses R290 refrigerant. Do not puncture the refrigerant circuit.
- Keep children and pets away from the unit during operation.

## 3. PRODUCT OVERVIEW AND COMPONENTS

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Familiarize yourself with the main parts of your iOCHOW dehumidifier.



Image: Front view of the iOCHOW 50L/Day Electric Compressor Dehumidifier, showing its white body, black top water tank, and control panel.

### Key Features:

- **50L/Day Dehumidification Capacity:** Capable of removing up to 50 liters of moisture per day, ideal for large areas up to 120 square meters.
- **8L Water Tank:** Large capacity top-mounted water tank with automatic shut-off when full.
- **Multiple Drainage Options:** Includes direct gravity drainage and water pump drainage (up to 5 meters vertical lift) for continuous operation.
- **Smart Humidity Control:** Automatically maintains desired humidity levels and features a 24-hour timer.

- **Dual Air Outlets:** Enhances air circulation and drying efficiency, particularly useful for laundry drying.
- **Quiet Operation:** Operates at less than 46 dB, suitable for use in living and sleeping areas.
- **Portable Design:** Equipped with a handle and 360° rotating wheels for easy mobility.
- **Eco-friendly Refrigerant:** Uses R290 refrigerant.
- **Removable Filter:** For easy cleaning and maintenance.

## High Quality Dehumidifier

stable and efficient performance



### High Speed Boosted Wheels

accurate and uniform speed, low operating noise, 30% of energy saving



### Double Copper Condenser

vertical exhaust design, large contact area, low wind resistance, low noise and fast dehumidification



### High-quality Compressor

strong power, 30% increase in dehumidifying efficiency



### High-Precision Original Motor

good dehumidifying performance, low noise, safe and comfortable

Image: Diagram illustrating the high-quality internal components of the dehumidifier, including high-speed boosted wheels, a double copper condenser, a high-quality compressor, and a high-precision original motor, all contributing to stable and efficient performance.



01

**360° rotating wheels**  
Easy mobility



02

**Detachable filter**  
Convenient for  
cleaning



03

**46dB silent dehumidifier**  
Experience a peaceful  
night's sleep

Image: Visual representation of key design features: 360° rotating wheels for easy mobility, a detachable filter for convenient cleaning, and an illustration of the 46dB silent operation for a peaceful night's sleep.

## 4. SETUP

### 4.1 Unpacking

1. Carefully remove the dehumidifier from its packaging.
2. Remove all packing materials, tapes, and protective films.
3. Inspect the unit for any shipping damage. If damaged, do not operate and contact customer support.

### 4.2 Placement

For optimal performance, place the dehumidifier in a location where air can circulate freely around it. Ensure:

- At least 20 cm (8 inches) of space around all sides of the unit.

- The unit is placed on a stable, level surface to prevent water spills.
- It is not placed near heat-generating appliances or in direct sunlight.
- The area is within the recommended operating temperature and humidity range.



Image: The dehumidifier shown in different home environments, illustrating its suitability for dehumidification areas up to 120m<sup>2</sup>, its quiet 46 dB operation for peaceful sleep, and its dual outlet design for better dehumidification and drying effects.

### 4.3 Drainage Options

Your dehumidifier offers multiple ways to manage collected water:

- **Manual Drainage (Water Tank):** The unit collects water in its 8-liter top-mounted tank. When full, the unit will automatically shut off and an indicator will light up. Carefully remove the tank and empty it.
- **Continuous Gravity Drainage:** For continuous operation without emptying the tank, connect a standard garden hose (not included) to the continuous drainage port at the rear of the unit. Ensure the hose is sloped downwards to allow water to drain by gravity into a floor drain or suitable container.
- **Water Pump Drainage:** For situations requiring vertical water removal (e.g., from a basement to a higher floor), connect the provided pump drainage hose to the dedicated pump outlet. The internal pump can lift water up to 5 meters.

# 3 Drainage Methods

Suitable for different environments



## 8L large-capacity water tank

Automatic stop with water full alarm

- Empty water more convenient



## Continuous drainage with a water pipe

- No need to empty the tank overnight
- Suitable for home, almost noiseless



## Water pump drainage up to 5 meters

- Pump water from basement to the 1st floor
- Not suitable for bedrooms, noise generation



Image: Visual guide to the three drainage methods: 1) Using the 8L large-capacity water tank with automatic stop, 2) Continuous drainage with a water pipe for noiseless operation, and 3) Water pump drainage up to 5 meters, suitable for basements but may generate noise.



Image: The dehumidifier positioned on stairs, demonstrating the water pump drainage mode, which easily resolves basement humidity. Highlights include its suitability for basements, a maximum pumping height of 5 meters, a large dehumidification capacity of 50L/day, and a coverage area of 120m<sup>2</sup>.

## 5. OPERATING INSTRUCTIONS

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### 5.1 Control Panel

The dehumidifier features an intuitive digital display panel for easy control.



Image: Close-up of the dehumidifier's smart control panel, highlighting its multi-functional design with features such as one-touch automatic dehumidification, a 24-hour timer, smart humidity control, and a power failure memory function.

## 5.2 Basic Operation

1. **Power On/Off:** Press the Power button to turn the unit on or off.
2. **Set Desired Humidity:** Use the humidity setting buttons (usually '+' and '-') to set your desired humidity level (e.g., 40% - 60% RH is often recommended). The unit will operate until this level is reached, then cycle on/off to maintain it.
3. **Continuous Dehumidification Mode:** Select this mode for continuous operation regardless of the humidity level. This is useful for very damp environments or for laundry drying.
4. **Timer Function:** Use the Timer button to program the unit to turn on or off after a set number of hours (up to 24 hours).
5. **Laundry Drying Mode:** Activate this mode for accelerated drying of clothes. The dual air outlets will optimize air circulation.

### 5.3 Important Notes on Operation

- The unit has a power failure memory function, resuming previous settings after power is restored.
- During water pump operation, you may hear a louder pumping noise for approximately 1 minute intermittently. This is normal.
- The dehumidifier is designed for large spaces, including basements, and can effectively manage humidity in areas up to 120m<sup>2</sup>.



Image: The dehumidifier operating in a greenhouse, demonstrating its smart humidity control and large dehumidification area of 120m<sup>2</sup>.

## Dual Outlet Design

Better dehumidification effectiveness



Environment-friendly  
refrigerant R290



Image: The dehumidifier showcasing its dual outlet design, which enhances dehumidification effectiveness. The image also highlights the use of environment-friendly R290 refrigerant.



Image: The dehumidifier in an office environment, illustrating its large 120m<sup>2</sup> dehumidification area, top-mounted water tank for convenient emptying, 360° swivel wheels for easy mobility, and automatic shut-off with a full water tank alarm.

## 6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your dehumidifier.

### 6.1 Cleaning the Air Filter

The dehumidifier is equipped with a removable filter that should be cleaned regularly (every 2-4 weeks, depending on usage and air quality).

1. Unplug the dehumidifier from the power outlet.
2. Locate and remove the air filter (usually at the back or side of the unit).
3. Clean the filter with a vacuum cleaner or wash it with warm, soapy water. Rinse thoroughly.
4. Allow the filter to air dry completely before reinserting it. Do not use a dryer or direct heat.

### 6.2 Cleaning the Water Tank

Clean the water tank periodically to prevent mold and mildew growth.

- Remove the water tank from the unit.
- Wash the tank with mild detergent and warm water.
- Rinse thoroughly and dry before placing it back into the dehumidifier.

### 6.3 Storing the Dehumidifier

If storing the unit for an extended period:

- Empty and clean the water tank.

- Clean the air filter.
- Unplug the unit and coil the power cord neatly.
- Store the unit upright in a cool, dry place, away from direct sunlight and extreme temperatures.

## 7. TROUBLESHOOTING

Before contacting customer support, please refer to the following troubleshooting guide for common issues.

Problem	Possible Cause	Solution
Dehumidifier does not turn on.	No power; Power cord not plugged in; Water tank full or incorrectly placed.	Check power outlet; Ensure power cord is securely plugged in; Empty and correctly reinsert water tank.
No water collected.	Humidity level too low; Room temperature too low; Air filter clogged; Unit in fan-only mode.	Adjust desired humidity lower; Ensure room temperature is above 5°C (41°F); Clean air filter; Select dehumidification mode.
Unit is noisy.	Normal operation sound; Water pump operating; Unit not on a level surface.	Some noise is normal (under 46 dB); Pumping noise is normal during drainage cycles; Place unit on a flat, stable surface.
Airflow is weak.	Air filter clogged; Air inlets/outlets blocked.	Clean air filter; Ensure no obstructions around the unit.
Frost on coils.	Room temperature too low.	The unit has an auto-defrost function. If frost persists, increase room temperature.

## 8. SPECIFICATIONS

Feature	Specification
Brand	iOCHOW
Model Number	C8-0815
Color	White
Dehumidification Capacity	50 Liters/Day (at 30°C/RH80%)
Water Tank Volume	8 Liters
Power	620 Watts
Voltage	220 Volts
Noise Level	< 46 dB
Dimensions (L x W x H)	33 x 31 x 54 cm
Weight	18 Kilograms
Recommended Coverage Area	Up to 120 square meters
Refrigerant	R290 (Eco-friendly)

Feature	Specification
Special Features	Integrated humidity/temperature sensor, humidity level adjustment, 24-hour timer, power failure memory, dual air outlets, portable design.



Image: Diagram showing the precise dimensions of the iOCHOW dehumidifier: 330mm (width), 310mm (depth), and 540mm (height).

## 9. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your purchase or visit the official iOCHOW website. Please have your model number (C8-0815) and purchase date ready when contacting support. While spare parts availability is not explicitly stated, iOCHOW is committed to providing quality products and support.

