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› COMMERCIAL COOL 50 Pint Dehumidifier User Manual

Commercial Cool CCD50PJW

COMMERCIAL COOL 50 Pint Dehumidifier

Model: CCD50PJW

Brand: Commercial Cool

PRODUCT OVERVIEW

The Commercial Cool 50 Pint Dehumidifier is designed to efficiently remove excess moisture from your home, kitchen, or basement, covering areas up to 4500 square feet. This portable unit features an adjustable humidistat, continuous drainage capability, and user-friendly controls to ensure optimal comfort and air quality.



Figure 1: Front view of the Commercial Cool 50 Pint Dehumidifier, highlighting its digital display and Energy Star certification.

IMPORTANT SAFETY INFORMATION

WARNING:

- Always ensure the unit is placed on a level surface to prevent water spillage.

- Do not operate the dehumidifier with a damaged power cord or plug.
- Keep the unit away from heat sources and direct sunlight.
- Ensure proper ventilation around the unit; do not block air inlets or outlets.
- Unplug the dehumidifier before cleaning or performing any maintenance.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

SETUP AND INSTALLATION

1. **Unpacking:** Carefully remove the dehumidifier from its packaging. Retain packaging materials for future storage or transport.
2. **Placement:** Place the unit on a firm, level surface in the desired location. Ensure there is at least 8 inches of space around the unit for proper air circulation. The unit is portable with casters and recessed handles for easy movement.
3. **Power Connection:** Plug the power cord into a grounded electrical outlet.

Easy to Use Design

detachable bucket, recessed handles, & casters



Figure 2: Detachable water bucket, recessed handles, and casters for easy portability.

OPERATING INSTRUCTIONS

The dehumidifier features an electronic control panel with an adjustable humidistat and LED digital display.

Electronic Control Panel

with adjustable humidistat

(relative humidity from 35-80 %)



Figure 3: Electronic control panel with adjustable humidistat, suitable for quiet operation in sleeping areas.

Control Panel Functions:

- **Power Button:** Turns the unit on or off.
- **Humidity Setting:** Use the '+' and '-' buttons to set the desired humidity level (relative humidity from 35% to 80%). The unit will operate until the set humidity is reached.

- **Fan Speed:** Select between low, medium, and high fan speeds to control the dehumidification rate.
- **Timer:** Set a 24-hour on/off timer for automated operation.
- **Child Lock:** Activates to prevent accidental changes to settings.
- **Auto Defrost:** The unit automatically defrosts when frost builds up on the evaporator coils.
- **Auto Restart:** The unit will automatically restart with previous settings after a power outage.

Dehumidification Process:

The dehumidifier extracts up to 50 pints of moisture per 24 hours, improving air quality and comfort.

Extracts up to 50 pints

Per 24 hours



Figure 4: The dehumidifier's powerful extraction capability, removing up to 50 pints of moisture daily.

DRAINAGE OPTIONS

Your dehumidifier offers two drainage methods:

1. Manual Drainage (Water Bucket)

The unit is equipped with a 7-liter (14.8 pint) water tank. When the tank is full, the unit will automatically shut off and an

audible alert will sound, along with an indicator light, to prevent overflow.

- Carefully remove the water bucket from the front of the unit.
- Empty the collected water.
- Reinsert the bucket firmly into the unit until it clicks into place. The unit will resume operation.

Overflow Protection + Audible Alert

Auto shut off when water tank is full



Figure 5: The dehumidifier's overflow protection system, which includes an audible alert and automatic shut-off when the water tank is full.

2. Continuous Drainage (Hose Connection)

For continuous operation without needing to empty the bucket, you can connect the included 16.4 ft. drain hose for continuous gravity feed drainage.

- Locate the continuous drainage port on the back of the unit.
- Attach the drain hose securely to the port.
- Route the other end of the hose to a suitable drain (e.g., floor drain, sink, or large container), ensuring the hose is sloped downwards to allow for gravity flow.

Continuous Drainage

includes 16.4 ft. drain hose



Figure 6: Setup for continuous drainage using the included hose, ideal for extended operation.

MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your dehumidifier.

Cleaning the Air Filter:

The dehumidifier features a washable filter that should be cleaned regularly (e.g., every two weeks or as needed, depending on usage and air quality).

1. Turn off the unit and unplug it from the power outlet.
2. Locate the air filter on the back of the unit.
3. Gently pull the filter out.
4. Wash the filter with warm, soapy water. Rinse thoroughly.
5. Allow the filter to air dry completely before reinserting it into the unit. Do not use a dryer or direct heat.

Washable Filter

easily remove for cleaning



Figure 7: Removing the washable filter for easy cleaning.

Cleaning the Water Bucket:

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

- Remove the water bucket as described in the "Manual Drainage" section.
- Wash the bucket with mild detergent and warm water.

- Rinse thoroughly and dry completely before placing it back into the unit.

External Cleaning:

Wipe the exterior of the unit with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.

TROUBLESHOOTING GUIDE

Problem	Possible Cause	Solution
Dehumidifier does not turn on.	No power; Power cord not plugged in; Water bucket full or not properly inserted.	Check power outlet; Ensure power cord is securely plugged in; Empty and reinsert water bucket correctly.
Unit runs but does not dehumidify.	Air filter clogged; Room temperature too low; Humidity setting too high.	Clean the air filter; Ensure room temperature is above 41°F (5°C); Lower the humidity setting.
Unit is noisy.	Unit not on a level surface; Air filter clogged.	Place unit on a firm, level surface; Clean the air filter.
Water leaks from the unit.	Water bucket not properly inserted; Continuous drain hose not connected securely or is kinked.	Reinsert water bucket correctly; Check hose connection and ensure it's not kinked or blocked.

If the problem persists after trying these solutions, please contact customer support.

PRODUCT SPECIFICATIONS

Feature	Detail
Brand	Commercial Cool
Model Name	Dehumidifier with Adjustable Humidistat
Model Number	CCD50PJW
Capacity	50 Pints/Day
Coverage Area	Up to 4500 Sq. Ft.
Water Tank Volume	7 Liters (14.8 Pints)
Product Dimensions (D x W x H)	11.7" x 15.5" x 24.5"
Item Weight	40.8 lbs
Number of Fan Speeds	3 (Low, Medium, High)
Special Features	Portable, Adjustable Humidistat, Auto Defrost, Auto Restart, Continuous Drain Pump, Child Lock, 24-hour Timer
Included Components	Dehumidifier, Drain Hose (16.4 ft), Drain Adapter

Feature	Detail
UPC	810064694523

WARRANTY AND CUSTOMER SUPPORT

Warranty Information:

For detailed warranty information, please refer to the warranty card included with your product or visit the official Commercial Cool website. Keep your purchase receipt as proof of purchase for warranty claims.

Customer Support:

If you have any questions, require technical assistance, or need to report an issue, please contact Commercial Cool customer support. Contact details can typically be found on the manufacturer's website or on the product packaging.

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