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OMNIMAX 2 Speed 22 Pint Portable Dehumidifier

KOOLKING 2 Speed 22 Pint Portable Dehumidifier

Model: 2 Speed 22 Pint Portable Dehumidifier
Brand: OMNIMAX

Introduction

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your KOOLKING 2 Speed 22 Pint Portable Dehumidifier. Please read it thoroughly before using the appliance and retain it for future reference.



Figure 1: Front-side view of the KOOLKING 2 Speed 22 Pint Portable Dehumidifier.

Safety Information

Always follow basic safety precautions when using electrical appliances to reduce the risk of fire, electric shock, and injury to persons.

- Ensure the power supply matches the voltage requirements specified on the dehumidifier's rating label.
- Do not operate the dehumidifier with a damaged cord or plug. If the cord is damaged, it must be replaced by the manufacturer or a qualified service agent.
- Do not place the dehumidifier near heat sources such as radiators, heat registers, stoves, or other appliances that produce heat.
- Always unplug the dehumidifier before cleaning, performing maintenance, or moving it.
- Do not block air inlets or outlets. Maintain at least 20 cm (8 inches) clearance around the unit for proper airflow.
- 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.
- Do not use the dehumidifier in wet or damp environments, such as bathrooms or laundry rooms, where it may come into contact with water.
- The appliance contains R290 refrigerant. Do not puncture or burn. Be aware that refrigerants may not contain an odor.

Product Features

The KOOLKING Portable Dehumidifier is designed with several features to enhance your comfort and convenience:

- High capacity moisture removal for improved indoor air quality.
- Two-speed fan control, including a turbo mode for rapid dehumidification.
- Built-in refrigerant leak detector for enhanced safety.
- Automatic defrost function to prevent ice build-up on coils.
- Auto shut-off feature when the water bucket is full or removed.
- Adjustable thermostat for precise humidity control.
- Convenient bucket full indicator light.

Setup

Unpacking

Carefully remove the dehumidifier from its packaging. Inspect the unit for any shipping damage. Retain the packaging materials for future storage or if the unit needs to be transported.

Placement

For optimal performance, place the dehumidifier in a central location within the area you wish to dehumidify. Ensure there is adequate space around the unit for proper air circulation. Avoid placing it against walls or furniture that could obstruct airflow.



Figure 2: Example of proper dehumidifier placement in a room, ensuring adequate clearance from walls and furniture.

The dehumidifier should be placed on a level, stable surface to prevent tipping and ensure proper water collection. Do not place it on thick carpet where airflow might be restricted.

Operating Instructions

Control Panel Overview



Figure 3: Top view of the control panel, showing various function buttons and indicator lights.

The control panel features intuitive buttons and indicator lights for easy operation:

- **Power Button:** Turns the unit on or off.
- **Fan Speed Button:** Toggles between low and turbo fan speeds.
- **Humidity Setting Buttons:** Adjusts the desired humidity level (e.g., Up/Down arrows).
- **Timer Button:** Sets the auto-on or auto-off timer.
- **Filter Light:** Illuminates when the air filter needs cleaning.
- **Full Light:** Illuminates when the water bucket is full and needs emptying.
- **Auto Defrost Indicator:** Shows when the unit is in defrost mode.

Power On/Off

To turn the dehumidifier on, press the **Power** button. Press it again to turn the unit off.

Setting Humidity Level

Use the **Humidity Setting** buttons (often indicated by up/down arrows or a "Set" button) to select your desired humidity level. The display will show the current humidity and then switch to your set humidity. A common comfortable range is between 40% and 50% relative humidity.

Fan Speed Control

Press the **Fan Speed** button to cycle between the available fan speeds (e.g., Low, Turbo). Use Turbo mode for faster dehumidification when needed.

Continuous Drainage

For continuous operation without needing to empty the water bucket, you can connect a standard garden hose (not included) to the continuous drainage port on the back of the unit. Ensure the hose is sloped downwards to allow gravity drainage into a floor drain or suitable container.

Auto Shut-off and Defrost

The unit is equipped with an auto shut-off feature that activates when the water bucket is full or removed, preventing overflow. The "Full" indicator light will illuminate. The auto defrost function automatically melts frost that may accumulate on the evaporator coils, ensuring efficient operation in cooler temperatures.

Maintenance

Regular maintenance ensures the longevity and efficient operation of your dehumidifier.

Cleaning the Air Filter

The air filter should be cleaned approximately every two weeks or when the "Filter" indicator light illuminates. A dirty filter can reduce efficiency and airflow.

1. Turn off the dehumidifier and unplug it from the power outlet.
2. Locate and remove the air filter (usually on the back or side of the unit).
3. Wash the filter 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.
5. Reinsert the dry filter into the unit.

Emptying the Water Bucket

When the water bucket is full, the unit will automatically shut off and the "Full" indicator light will illuminate. Carefully remove the bucket and empty the collected water. Reinsert the bucket firmly to resume operation.

Cleaning the Unit

Wipe the exterior of the dehumidifier with a soft, damp cloth. Do not use harsh chemicals, abrasives, or solvents, as these can damage the surface.

Storage

If storing the dehumidifier for an extended period, ensure the water bucket is empty and clean. Clean the air filter. Coil the power cord neatly. Store the unit upright in a cool, dry place, preferably in its original packaging.

Troubleshooting

Before contacting customer service, please refer to the following table for common issues and their solutions:

Problem	Possible Cause	Solution
Dehumidifier does not turn on.	No power; Power cord not plugged in; Water bucket full or not properly inserted.	Ensure unit is plugged into a live outlet; Check circuit breaker; Empty and reinsert water bucket correctly.
No water collected or very little water.	Humidity level too low; Room temperature too low; Air filter clogged; Air inlets/outlets blocked.	Adjust desired humidity setting lower; Ensure room temperature is above 5°C (41°F); Clean air filter; Ensure proper clearance around the unit.
Unit runs constantly.	Humidity setting too low; Room is very damp; Continuous drainage hose is connected.	Increase desired humidity setting; This is normal in very humid conditions; Disconnect continuous drainage if not desired.
Unit is noisy.	Unit not on a level surface; Air filter clogged; Fan obstruction.	Place unit on a firm, level surface; Clean air filter; Check for any obstructions in the fan area.
"Full" indicator light is on, but bucket is not full.	Water bucket not properly seated; Float switch malfunction.	Remove and reinsert the water bucket firmly; If issue persists, contact customer support.

Specifications

Feature	Value
Brand	OMNIMAX
Model	2 Speed 22 Pint Portable Dehumidifier
Capacity	22 pints
Item Weight	35.6 Pounds
Floor Area Coverage	Up to 2000 Square Feet
Colour	Multicolor
Manufacturer	CLASSIC
ASIN	B081QT3P79

Warranty and Support

This KOOLKING dehumidifier comes with a **30-day guarantee** as per the manufacturer's terms. Please refer to your purchase documentation for specific warranty details and conditions.
For technical support, warranty claims, or service inquiries, please contact the retailer or manufacturer directly. Ensure

you have your product model number and purchase date available when contacting support.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Answered questions about this manual

Why is my OMNIMAX 22 Pint Portable Dehumidifier still leaking water after I have unplugged and cleaned it?

If your OMNIMAX 2 Speed 22 Pint Portable Dehumidifier continues to leak after cleaning, please check the following common causes and solutions: Check the Water Bucket Seating: Ensure the water bucket is firmly and...

Read full answer

What does the P2 error code mean on the OMNIMAX 2 Speed 22 Pint Portable Dehumidifier?

On the OMNIMAX (Koolking) 2 Speed 22 Pint Portable Dehumidifier, the code P2 is a protection code indicating that the water bucket is full or is not in the proper position. To resolve this...

Read full answer

What does the P2 error code mean on the OMNIMAX KOOLKING 2 Speed 22 Pint Portable Dehumidifier?

On the OMNIMAX KOOLKING 2 Speed 22 Pint Portable Dehumidifier (and most similar portable dehumidifiers), the P2 code is an indicator that the water bucket is full or is not positioned correctly. To resolve...

Read full answer

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