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Therma-Stor DryMAX XL LGR

Therma-Stor Commercial Dehumidifier User Manual

Model: Phoenix DryMAX XL LGR (4037000)

Brand: Therma-Stor

1. PRODUCT OVERVIEW

The Therma-Stor Phoenix DryMAX XL LGR Dehumidifier is engineered for efficient moisture control in commercial and large residential settings. This unit offers 125 PPD (Pints Per Day) moisture removal while maintaining a compact footprint, allowing for easy transport and deployment in various environments such as basements, garages, and crawl spaces.

Its robust construction of plastic and metal ensures durability, while features like a fold-down handle and sturdy wheels enhance portability. The design includes integrated storage for the power cord and condensate hose, promoting organization and quick setup.

Key Features:

- **Compact Size:** Occupies significantly less space than comparable models, optimizing transport and storage.
- **High Efficiency:** Capable of removing 125 PPD of moisture at AHAM conditions.
- **Durable Construction:** Built with robust plastic and metal for demanding commercial use.
- **Portable Design:** Features a fold-down handle and sturdy wheels for easy mobility.
- **Onboard Storage:** Integrated storage for the 25-foot power cord and 33-foot condensate hose.
- **Graphical Control Panel:** Provides real-time performance data and intuitive operation.
- **Continuous Operation:** Designed for continuous moisture extraction.
- **High Airflow:** Delivers 300 CFM (Cubic Feet Per Minute) airflow capacity.
- **Energy-Efficient:** Operates at 7.7 amps, balancing power with low energy consumption.



Figure 1: The Therma-Stor Phoenix DryMAX XL LGR Dehumidifier. This image shows the compact, red and black unit with its integrated handle and wheels, highlighting its portability and robust design. The Phoenix DryMAX XL logo is visible on the side panel.

2. SETUP AND INSTALLATION

Proper setup ensures optimal performance and safety of your dehumidifier.

2.1 Unpacking and Inspection

1. Carefully remove the dehumidifier from its packaging.
2. Inspect the unit for any signs of shipping damage. If damage is found, contact your supplier immediately.
3. Ensure all components are present: Dehumidifier unit, 25-foot power cord, and 33-foot condensate hose.

2.2 Placement

- Place the dehumidifier on a level, stable surface.
- Ensure adequate clearance around the unit for proper airflow (at least 12 inches from walls or obstructions).
- Position the unit in the center of the area to be dehumidified for best results.
- Avoid placing the unit near heat sources or in direct sunlight.

2.3 Power and Drainage Connection

1. Uncoil the 25-foot power cord from its onboard storage.

2. Plug the power cord into a grounded electrical outlet (115V, 15 Amp circuit recommended).
3. Uncoil the 33-foot condensate hose from its onboard storage.
4. Connect the condensate hose to the unit's drainage port. Ensure a secure connection to prevent leaks.
5. Direct the other end of the condensate hose to a suitable drain, such as a floor drain, sink, or collection bucket. Ensure the hose has a continuous downward slope to allow for gravity drainage.

3. OPERATING INSTRUCTIONS

The Phoenix DryMAX XL LGR Dehumidifier features an intuitive graphical control panel for easy operation.

3.1 Control Panel Overview

The graphical control panel displays real-time performance data, including current humidity levels, temperature, and operating status. Specific button functions will be detailed in the full manual, but general operations are as follows:

- **Power Button:** Turns the unit ON or OFF.
- **Mode Selection:** Allows selection of operating modes, such as continuous operation.
- **Humidity Setpoint:** Adjusts the desired humidity level (if applicable, for automatic operation).
- **Display:** Shows current readings and error codes.

3.2 Starting the Dehumidifier

1. Ensure the unit is properly set up and connected to power and drainage.
2. Press the Power button on the control panel to turn the unit ON.
3. The unit will typically begin operating in its default mode, often continuous operation, to quickly reduce humidity.
4. Monitor the control panel for initial readings and ensure the unit is functioning as expected.

3.3 Continuous Operation Mode

For maximum moisture removal, the unit can be set to continuous operation. In this mode, the dehumidifier will run constantly, regardless of the ambient humidity level, until manually turned off or power is interrupted. This is ideal for rapid drying or in extremely damp environments.

3.4 Shutting Down the Dehumidifier

1. Press the Power button to turn the unit OFF.
2. Unplug the power cord from the electrical outlet.
3. Disconnect the condensate hose and drain any residual water.
4. Coil the power cord and condensate hose and secure them in their onboard storage compartments for transport or storage.

4. MAINTENANCE

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

4.1 Air Filter Cleaning

The air filter should be inspected and cleaned regularly, especially in dusty environments. A clogged filter reduces

airflow and dehumidification efficiency.

1. Turn off the dehumidifier and unplug it from the power source.
2. Locate the air filter access panel (refer to unit diagrams for exact location).
3. Remove the air filter.
4. Clean the filter using a vacuum cleaner or by rinsing it with warm, soapy water. If rinsing, ensure the filter is completely dry before reinstallation.
5. Reinstall the clean filter and secure the access panel.

4.2 Condensate System Check

Periodically check the condensate hose and drainage system for obstructions or kinks.

- Ensure the condensate hose is free of debris and maintains a continuous downward slope for proper drainage.
- Verify that the drainage point is not blocked.

4.3 Exterior Cleaning

Wipe down the exterior of the unit with a soft, damp cloth to remove dust and dirt. Do not use abrasive cleaners or solvents.

4.4 Storage

When storing the unit for extended periods:

- Ensure the unit is clean and dry.
- Coil and secure the power cord and condensate hose in their designated storage areas.
- Store the unit in a cool, dry place, protected from extreme temperatures.

5. TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your dehumidifier. For problems not listed here, contact customer support.

Problem	Possible Cause	Solution
Unit does not turn on.	No power supply; Power cord not fully plugged in; Circuit breaker tripped.	Check power outlet; Ensure power cord is securely plugged in; Reset circuit breaker.
Dehumidifier not collecting water.	Air filter clogged; Room temperature too low; Humidity level already low; Condensate hose kinked or blocked.	Clean or replace air filter; Ensure room temperature is above 40°F (4.4°C); Verify humidity setpoint is lower than ambient; Check and clear condensate hose.
Unit is noisy.	Unit not on a level surface; Fan obstruction; Loose components.	Place unit on a level surface; Check for and remove any obstructions near the fan; Contact customer support if noise persists.
Airflow is weak.	Air filter clogged; Air inlet/outlet blocked.	Clean or replace air filter; Ensure no obstructions are blocking the air intake or exhaust vents.

6. SPECIFICATIONS

Detailed technical specifications for the Therma-Stor Phoenix DryMAX XL LGR Dehumidifier.

Brand:	Therma-Stor
Model Name:	DryMAX XL LGR
Color:	Red
Special Feature:	Portable
Capacity:	125 Pints Per Day (PPD) at AHAM conditions
Wattage:	924 watts
Operation Mode:	Continuous
Air Flow Capacity:	300 Cubic Feet Per Minute (CFM)
UPC:	008853959537
Product	
Dimensions:	24 x 16 x 18 inches (L x W x H)
Item Weight:	90 pounds
ASIN:	B095KXXZLP
Date First Available:	
	May 21, 2021

7. WARRANTY AND SUPPORT

For warranty information, technical assistance, or to purchase replacement parts, please contact Therma-Stor customer support.

While specific warranty details are not provided in this manual, Therma-Stor products typically come with a manufacturer's warranty covering defects in materials and workmanship. Please refer to the warranty card included with your purchase or visit the official Therma-Stor website for complete warranty terms and conditions.

Customer Support: For assistance, please visit the Therma-Stor brand page on Amazon or consult the contact information provided in your product packaging.