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› Moiswell 160 Pints Commercial Dehumidifier with Pump Instruction Manual

Moiswell Pioneer-XI

Moiswell 160 Pints Commercial Dehumidifier with Pump Instruction Manual

Model: Pioneer-XI

IMPORTANT SAFETY INSTRUCTIONS

Please read all instructions carefully before operating the dehumidifier. Retain this manual for future reference.

- Always connect the unit to a properly grounded electrical outlet.
- Do not operate the unit with a damaged power cord or plug.
- Ensure the dehumidifier is placed on a level, stable surface to prevent tipping.
- Maintain at least 12 inches (30 cm) of clear space around the air inlet and outlet for proper airflow.
- Do not use the unit in areas where flammable liquids or gases are stored.
- Keep children and pets away from the operating unit.
- Unplug the unit before cleaning or performing any maintenance.

PRODUCT OVERVIEW

The Moiswell Pioneer-XI is a commercial-grade dehumidifier designed for large spaces, offering efficient humidity control with a built-in pump for continuous drainage.

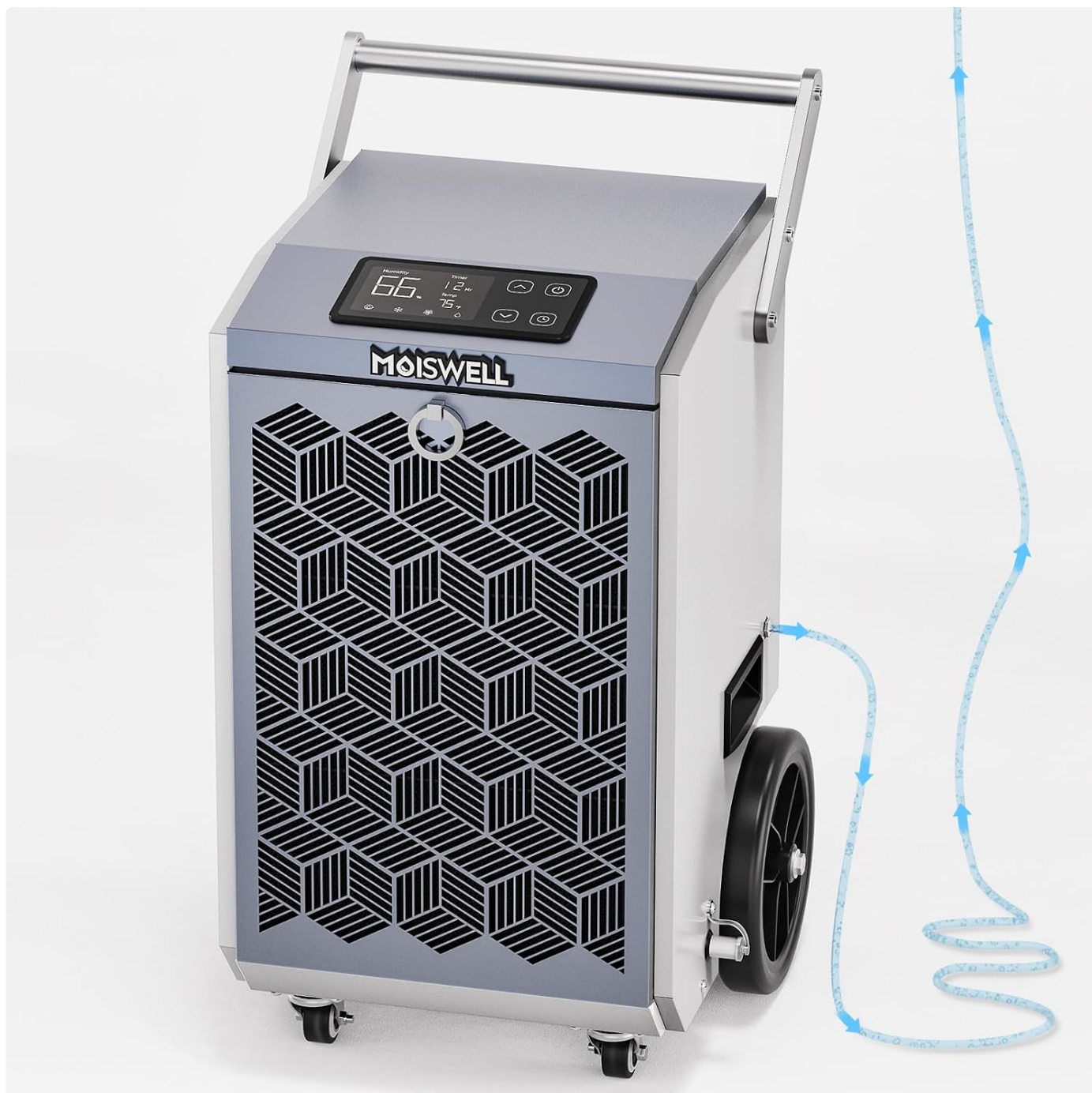


Image: Front view of the Moisswell 160 Pints Commercial Dehumidifier, showcasing its robust design and control panel.

Key Features

- **High Capacity Dehumidification:** Removes up to 160 pints of moisture per day (73 pints at AHAM standard), suitable for areas up to 7,000 sq. ft.
- **Built-in Pump:** Features an internal pump for automatic and continuous drainage, capable of pumping water 16.4 feet vertically or horizontally.
- **Enhanced Portability:** Equipped with large 10-inch rear wheels and detachable handles for easy transport across various terrains.
- **User-Friendly Control Panel:** Intuitive interface with clear display for easy adjustment of humidity settings and monitoring.
- **Durable Construction:** Built with high-quality copper components for long-term reliability, especially in demanding environments.
- **Automatic Defrost:** Prevents ice build-up on coils, ensuring continuous operation in cooler conditions.

Automatic Pump for Hassle-Free Drainage

Effortless Drainage with Built-in Pump & **16.4 ft** Drain Hose



Image: Diagram illustrating the dehumidifier's capacity to remove 160 pints of water per day, with 73 pints at AHAM standard, highlighting its powerful performance.

20% Higher Airflow

265CFM – Optimized Drying for up to **7,000 sq. ft.**



Image: The dehumidifier demonstrating its automatic pump feature, showing a drain hose extending 16.4 feet both vertically and horizontally for flexible drainage.

Improved Portability

Effortless Maneuvering on All Surfaces



Image: The dehumidifier operating in a large room, with visual indicators of 265 CFM airflow covering up to 7,000 sq. ft., emphasizing its high air circulation capacity.

Product Size Measurement



Image: A side view of the dehumidifier highlighting its portability features, including large 10-inch semi-pneumatic wheels and a stylish, removable handle for easy maneuvering.

Ultra-Thoughtful Detail



Image: The dehumidifier with its dimensions clearly labeled: 24 inches in height, 13.5 inches in width, and 13.4 inches in depth, providing a clear understanding of its size.

Components

- Moiswell Pioneer-XI Dehumidifier Unit
- Drain Hose (16.4 ft for pump, 6.5 ft for gravity)
- Power Cord
- User Manual (this document)
- Detachable Handles and Installation Hardware

160 Pints Dehumidifying Power

Enhanced Performance for Commercial & Industrial Uses

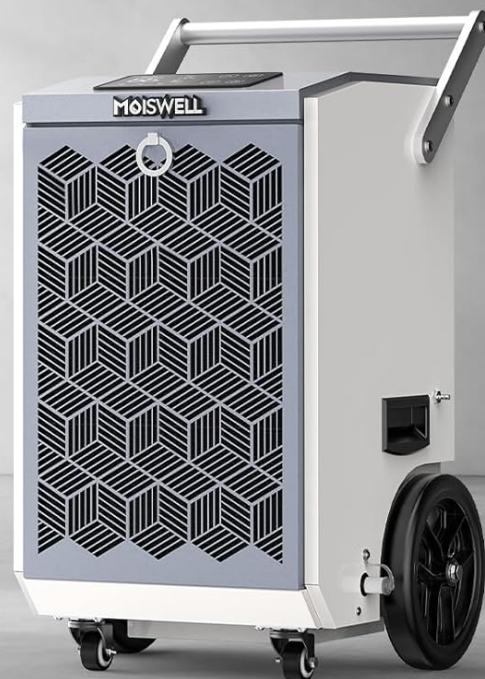
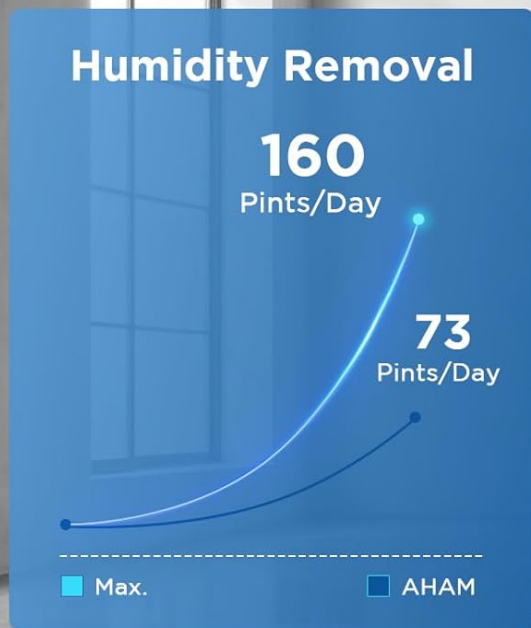


Image: An exploded view diagram of the dehumidifier, pointing out key components such as the pump drain outlet, gravity drain outlet, washable filter with pull ring, neat cord winder, and recessed handles.

SETUP

Unpacking

Carefully remove the dehumidifier from its packaging. Inspect the unit for any shipping damage. Remove all packing materials, including any tape or protective films.

Handle Installation

The dehumidifier comes with detachable handles for enhanced portability. Attach the handles using the provided hardware and Allen wrench.

Your browser does not support the video tag.

Video: This video demonstrates the step-by-step process of installing the detachable handles onto the Moiswell commercial dehumidifier, ensuring secure attachment for easy transport.

Placement

Place the dehumidifier in an area where the humidity is highest. Ensure there is adequate space around the unit (at least 12 inches) for proper air circulation. Avoid placing it against walls or furniture that could obstruct airflow. The unit should be placed on a level surface.

Drainage Options

The Moiswell Pioneer-XI offers two drainage methods:

1. **Built-in Pump Drainage:** For continuous, automatic drainage, connect the included 16.4-foot drain hose to the pump drain outlet. This allows water to be pumped vertically or horizontally to a sink, drain, or outside.
2. **Gravity Drainage:** For gravity-fed drainage, connect the included 6.5-foot drain hose to the gravity drain outlet. Ensure the hose is sloped downwards to allow water to flow naturally to a suitable drain.

OPERATING INSTRUCTIONS

Control Panel Overview

The control panel features a digital display and intuitive buttons for easy operation. The display shows current humidity, temperature, and timer settings.

Your browser does not support the video tag.

Video: This video provides a comprehensive overview of the Moiswell 160 Pints Commercial Dehumidifier, demonstrating its key features, control panel functions, and overall operation for effective humidity control.

Power On/Off

Press the **Power** button to turn the unit on or off. The display will illuminate when the unit is active.

Setting Humidity Level

Use the **Up** and **Down** arrow buttons to adjust your desired humidity level (target RH). The unit will operate until the ambient humidity reaches the set target, then cycle on and off to maintain it.

Timer Function

Press the **Timer** button to set an auto-on or auto-off time. Use the **Up** and **Down** arrows to select the desired number of hours (1-24). The unit will automatically turn on or off after the set time has elapsed.

Automatic Defrost

The dehumidifier is equipped with an automatic defrost function. If frost builds up on the evaporator coils, the unit will automatically enter defrost mode to melt the ice, ensuring efficient operation in low-temperature environments. This process is automatic and does not require user intervention.

Power Outage Memory Restart

In the event of a power outage, the unit will automatically restart with the previously set humidity and timer settings once power is restored.

MAINTENANCE

Filter Cleaning

Regular cleaning of the air filter is crucial for maintaining the dehumidifier's efficiency and lifespan. It is recommended to clean the filter every two weeks or more frequently depending on usage and air quality.

1. Unplug the dehumidifier from the power outlet.
2. Locate the air filter cover (refer to the 'Ultra-Thoughtful Detail' image in Product Overview).
3. Remove the filter cover and carefully slide out the air filter.
4. Wash the filter with warm, soapy water or vacuum it to remove dust and debris.
5. Rinse the filter thoroughly and allow it to air dry completely before reinserting.
6. Replace the filter and secure the cover.

Unit Cleaning

Wipe the exterior of the unit with a soft, damp cloth. Do not use harsh chemicals, abrasives, or solvents, as these can damage the surface. Ensure no water enters the control panel or other electrical components.

Storage

If the unit will not be used for an extended period:

1. Unplug the unit and drain any remaining water from both drain outlets.
2. Clean the air filter and allow it to dry.
3. Wrap the power cord and secure it using the cord winder.
4. Store the unit upright in a cool, dry place, away from direct sunlight and extreme temperatures.

TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Unit does not turn on	No power supply; Power cord not securely plugged in; Power outage.	Check power outlet; Ensure power cord is fully inserted; Wait for power to be restored.
No dehumidification	Air filter is dirty; Humidity setting is too high; Room temperature is too low; Air inlet/outlet blocked.	Clean the air filter; Lower the target humidity setting; Ensure room temperature is above 41°F (5°C); Clear any obstructions.
Unit is noisy	Unit not on a level surface; Air filter dirty; Fan obstruction.	Place unit on a flat, stable surface; Clean the air filter; Check for and remove any obstructions from the fan.

Problem	Possible Cause	Solution
Water leakage	Drain hose not properly connected; Drain hose is kinked or blocked.	Ensure drain hose is securely connected; Straighten or clear any blockages in the drain hose.

SPECIFICATIONS

Feature	Specification
Brand	Moiswell
Model Name	Pioneer-XI
Dehumidification Capacity	160 Pints/Day (73 Pints at AHAM)
Coverage Area	Up to 7000 Square Feet
Air Flow Capacity	265 Cubic Feet Per Minute (CFM)
Product Dimensions	13.3"D x 13.5"W x 24"H
Item Weight	67 Pounds
Special Features	Adjustable Humidity Control, Automatic Defrost, Automatic Shutoff, Built-In Pump, Timer
Included Components	Drain Hose, Power Cord, User Manual
Material	Metal
Wattage	530 watts
Upper Temperature Rating	95 Degrees Fahrenheit

WARRANTY AND SUPPORT

Moiswell products are designed for durability and performance. For specific warranty details, please refer to the warranty card included with your product or visit the official Moiswell website.

For technical assistance, troubleshooting, or warranty claims, please contact Moiswell customer support:

- Website: moiswell.com
- Email: service@moiswell.com

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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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