

CREWORKS 145 PPD

CREWORKS 145 PPD Commercial Dehumidifier User Manual

Brand: CREWORKS | Model: 145 PPD

1. SAFETY INSTRUCTIONS

Please read and understand all safety instructions before operating the dehumidifier. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Always connect the unit to a properly grounded electrical outlet.
- Do not operate the dehumidifier with a damaged power cord or plug.
- Ensure the unit is placed on a stable, level surface to prevent tipping.
- Keep the air intake and exhaust clear of obstructions.
- Do not insert objects into the air vents.
- Unplug the unit 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.

2. PRODUCT OVERVIEW

The CREWORKS 145 PPD Commercial Dehumidifier is designed for effective humidity control in large spaces such as basements, crawl spaces, and garages. It features a robust design with a built-in water pump and a detachable display panel for convenient operation.

Key Features:

- **Effective Dehumidification:** Suitable for areas ranging from 800 to 2000 sq. ft., removing up to 145 PPD (Pints Per Day) at saturation.
- **Built-in Water Pump:** Facilitates continuous drainage to distant or elevated locations.
- **Auto-Defrost Feature:** Automatically prevents frost build-up on coils, ensuring continuous operation.
- **Detachable Display Panel:** Allows remote control and monitoring up to 32.8 ft. away.
- **Washable Air Filter:** Reusable filter for easy maintenance and consistent performance.

- **Energy Efficient:** Equipped with upgraded condenser and evaporator coils for improved efficiency.

Product Components:

The dehumidifier includes the main unit, a detachable control panel, support brackets, a drain pipe, and a washable air filter.



Figure 2.1: Main unit of the CREWORKS 145 PPD Commercial Dehumidifier, showing the control panel and handles.

CONVENIENT & SAFE USE



1–24H Timer Range



Memory Function



°F Temp. Display



Fault Display



Overflow Alarm



Automatic Defrost



Figure 2.2: Overview of convenient and safe use features including 1-24H timer, memory function, fault display, overflow alarm, and automatic defrost.

USER-FRIENDLY DETAILS

Widened Handles



Washable Air Filter



Nonslip Foot Pads

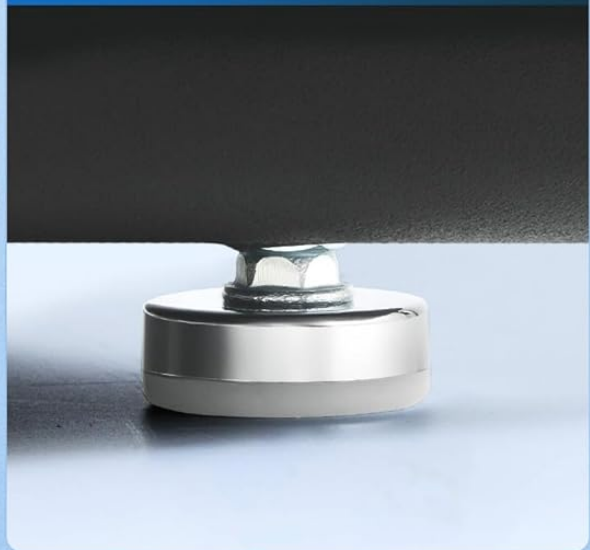


Figure 2.3: User-friendly details including widened handles for portability, a washable air filter, and non-slip foot pads for stability.

3. SETUP & INSTALLATION

Proper setup ensures optimal performance and longevity of your dehumidifier.

3.1 Unpacking and Placement

- Carefully remove the dehumidifier from its packaging.
- Place the unit in the desired location, ensuring it is on a stable, level surface.

- Allow at least 12 inches of space around the unit for proper airflow.
- The dehumidifier is designed for areas between 800 to 2000 sq. ft.

3.2 Installing Support Brackets

The support brackets provide stability and can be used for various installation configurations.

1. Locate the support brackets and screws provided.
2. Align the brackets with the designated screw holes on the side of the unit.
3. Securely fasten the brackets using a screwdriver.

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Video 3.1: This video demonstrates the installation of support brackets and the drain pipe, followed by the setup of the detachable control panel and basic operation of the CREWORKS 145 PPD Dehumidifier.

3.3 Connecting the Drain Pipe

The unit comes with a built-in water pump for continuous drainage. Connect the provided drain pipe to the designated outlet.

1. Locate the drain pipe connection port on the unit.
2. Securely attach one end of the drain pipe to this port.
3. Direct the other end of the drain pipe to a suitable drainage location (e.g., floor drain, sink, or outdoors). Ensure the pipe is not kinked or obstructed.

4. OPERATING INSTRUCTIONS

The dehumidifier features an intuitive control panel for easy operation.

4.1 Detachable Display Panel

The control panel can be detached from the main unit and placed remotely for convenience.

1. To detach, unscrew the retaining screws on the main unit holding the display panel.
2. Carefully pull out the display panel.
3. Connect the extension cable (if needed) to the display panel and the main unit's display board port.
4. Place the detached panel in a convenient location within 32.8 ft. of the unit.

DETACHABLE DISPLAY PANEL

Three Modes for Your Every Need



Continuous
Mode



Night
Mode



Manual
Mode



Figure 4.1: The detachable display panel, showing current humidity and temperature, along with control buttons for timer, up, down, and power.



Figure 4.2: The intuitive controls feature allows the display panel to be detached and placed in a preferred spot for remote monitoring and adjustment.

4.2 Setting Humidity Level and Timer

- **Power On/Off:** Press the **POWER** button to turn the unit on or off.
- **Humidity Setting:** Use the **UP** and **DOWN** buttons to set your desired humidity level (10-98%). The unit will operate until this level is reached.
- **Timer Setting:** Press the **TIMER** button to set the operating duration (1-24 hours).

4.3 Operating Modes

- **Continuous Mode:** The compressor and blower operate continuously for consistent humidity removal.
- **Night Mode:** When no user interaction is detected, the dehumidifier automatically switches to a power-saving sleep state.
- **Manual Mode:** Allows you to manually adjust settings to adapt to changing humidity levels.



Figure 4.3: The dehumidifier operating in Continuous Mode, ensuring constant humidity removal.



Figure 4.4: The dehumidifier in Night Mode, automatically switching to a power-saving sleep state when inactive.



Figure 4.5: A hand adjusting the settings on the dehumidifier, demonstrating Manual Mode operation.

4.4 Additional Features

- **Memory Function:** The dehumidifier remembers your preferred settings, eliminating the need for frequent adjustments after power interruptions.
- **Fault Display:** The unit provides fault codes on the display to help identify and resolve issues. Refer to the Troubleshooting section for details.
- **Automatic Defrost:** The unit automatically halts the compressor when frost is detected, ensuring efficient operation in cooler environments.

KEEP YOUR SPACE CLEAN, DRY, & FRESH



Figure 4.6: The fault display feature helps identify and resolve operational issues.



Figure 4.7: The automatic defrost feature maintains peak performance by preventing frost build-up.

5. DRAINAGE OPTIONS

The CREWORKS 145 PPD Dehumidifier offers flexible drainage solutions.

5.1 Built-in Water Pump

The integrated water pump allows for continuous drainage, even to elevated or distant locations. The pump can lift water up to 16.4 ft. vertically.

- **Automatic Drainage:** Water is automatically pumped out as it collects.
- **Vertical Drainage:** Capable of pumping water upwards.
- **Horizontal Drainage:** Suitable for draining water across longer distances.
- **Remote Drainage:** Ideal for situations where the dehumidifier is in a crawl space and drainage is needed elsewhere.

HANDS-FREE DRAINAGE

Built-in Water Pump Ensures Proper Drainage
in Both Vertical and Horizontal Directions

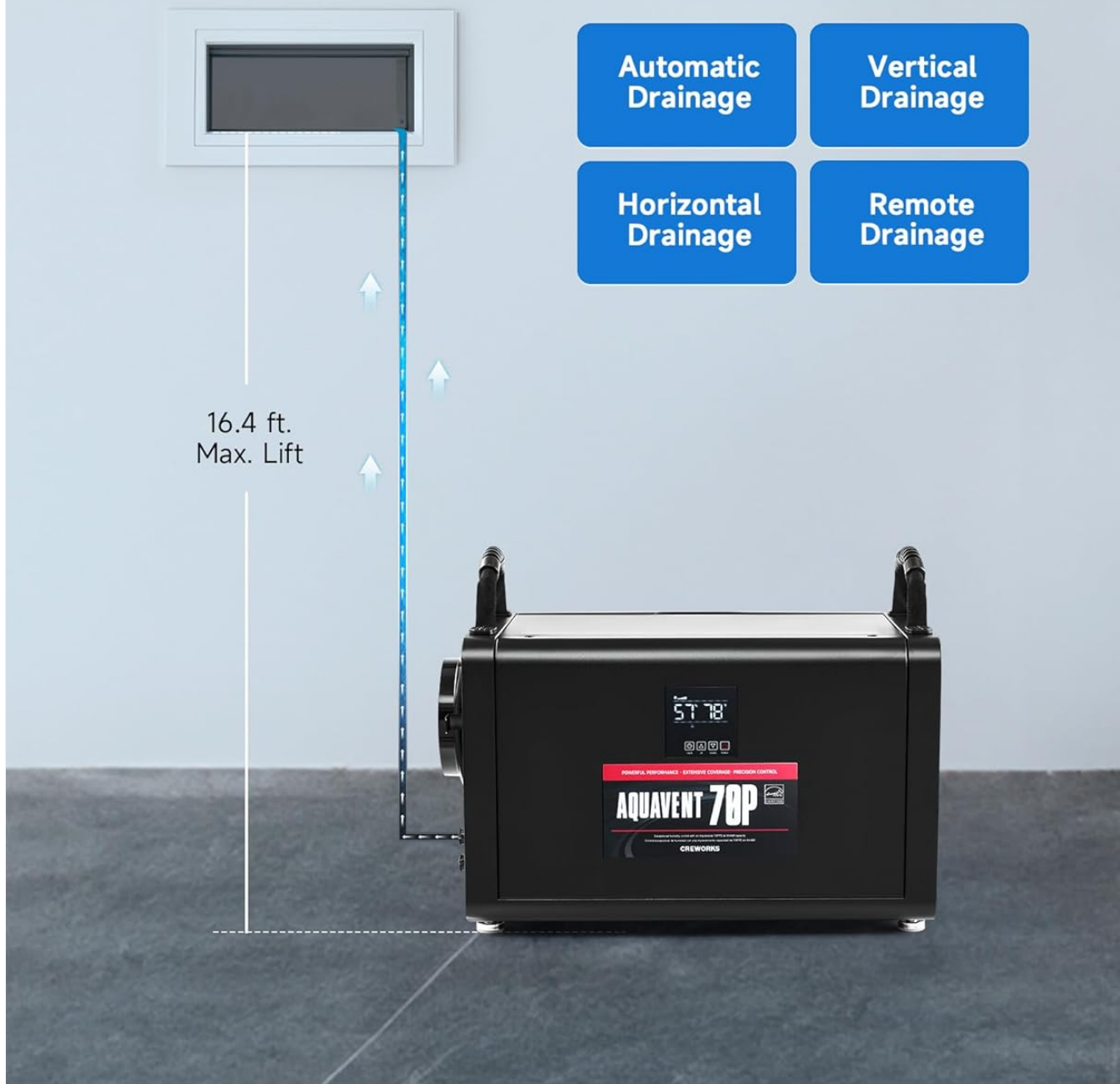


Figure 5.1: Illustration of the hands-free drainage system with the built-in water pump, demonstrating automatic, vertical, horizontal, and remote drainage capabilities with a maximum lift of 16.4 ft.

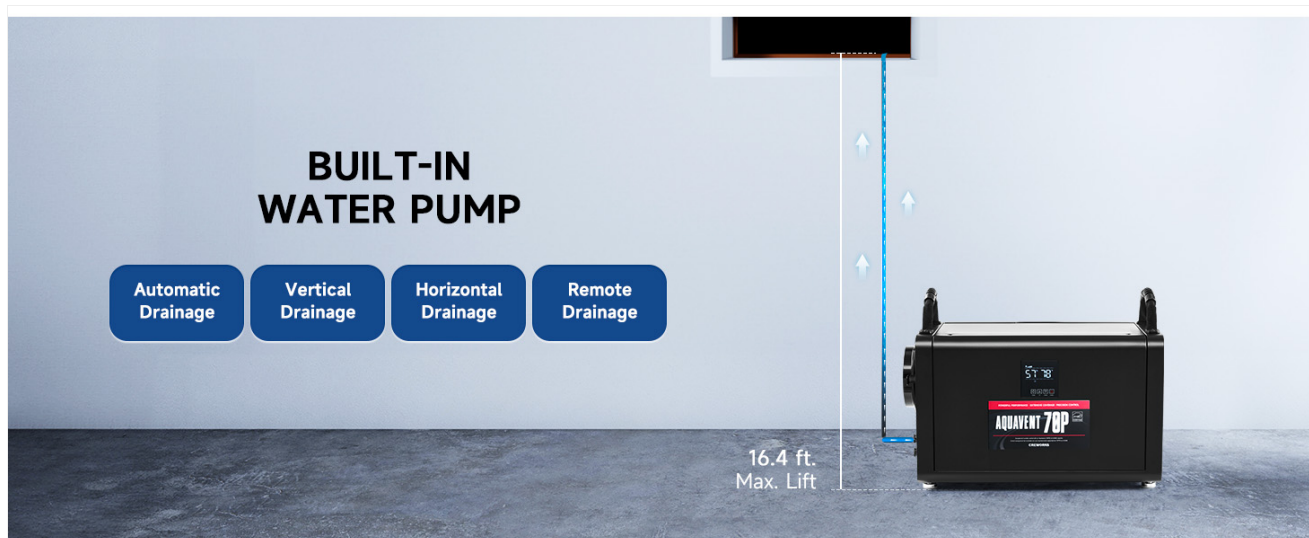


Figure 5.2: The built-in water pump allows for efficient drainage, including vertical lift up to 16.4 feet.

5.2 Gravity Drainage

For situations where gravity drainage is sufficient, a shorter hose can be used to drain water directly to a lower-level drain.

6. MAINTENANCE

Regular maintenance ensures the efficient and long-lasting operation of your dehumidifier.

6.1 Cleaning the Air Filter

The dehumidifier is equipped with a washable air filter to capture dust and debris.

1. Turn off and unplug the dehumidifier.
2. Locate the air filter access panel, typically on the side or back of the unit.
3. Remove the filter.
4. Wash the filter with warm, soapy water. Rinse thoroughly and allow it to air dry completely before reinserting.
5. Reinstall the dry filter and close the access panel.

INDUSTRIAL-GRADE 145 PPD DEHUMIDIFIER



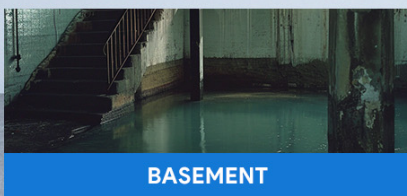
WAREHOUSE



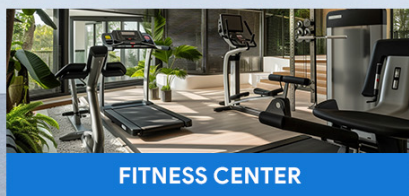
GARAGE



CRAWLSPACE



BASEMENT



FITNESS CENTER



CONSTRUCTION SITE

Figure 6.1: The reusable filter can be easily removed and cleaned to maintain dehumidifier efficiency.

6.2 General Cleaning

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

7. TROUBLESHOOTING

Refer to this section for common issues and their solutions.

Problem	Possible Cause	Solution
Unit does not turn on.	No power, power cord not plugged in, circuit breaker tripped.	Check power connection, ensure outlet is functional, reset circuit breaker.
No water collected or low dehumidification.	Humidity level already low, air filter clogged, room temperature too low, unit too small for space.	Adjust desired humidity setting, clean air filter, ensure room temperature is above 41°F (5°C), verify unit capacity matches room size.
Unit is noisy.	Unit not level, fan obstruction, loose parts.	Ensure unit is on a flat surface, check for debris in fan, contact support if noise persists.
Error Code displayed.	Internal malfunction or sensor issue.	Refer to specific error code definitions in the full manual (if available) or contact customer support. Try resetting the unit by unplugging for 5 minutes.

8. SPECIFICATIONS

Technical details for the CREWORKS 145 PPD Commercial Dehumidifier.

Specification	Value
Brand	CREWORKS
Model Name	145 PPD
Dehumidification Capacity (Saturation)	145 Pints per Day
Dehumidification Capacity (AHAM)	70 Pints per Day
Floor Area Coverage	800 - 2000 Square Feet
Product Dimensions (D x W x H)	22.44" x 14.17" x 13.78"
Item Weight	61.73 Pounds
Material	Plastic
Special Features	Automatic Defrost, Detachable Display Panel, Built-in Water Pump
Operation Mode	Intermittent (with continuous, night, manual options)

9. WARRANTY & SUPPORT

For warranty information, technical support, or replacement parts, please contact CREWORKS customer service.

- **Protection Plans:** Extended protection plans are available for purchase. Options include 3-Year and 4-Year plans.
- **Customer Service:** Refer to your purchase documentation or the official CREWORKS website for contact details.