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Abestorm Hurricane 85P

Abestorm Hurricane 85P Commercial Dehumidifier User Manual

Model: Hurricane 85P
Capacity: 180 PPD (Saturation) / 85 PPD (AHAM)

1. Introduction

Thank you for choosing the Abestorm Hurricane 85P Commercial Dehumidifier. This manual provides essential information for the safe operation, installation, maintenance, and troubleshooting of your unit. Please read this manual thoroughly before operating the dehumidifier and retain it for future reference.

The Abestorm Hurricane 85P is a high-capacity dehumidifier designed for commercial and industrial applications, including water damage restoration, construction sites, basements, crawl spaces, and warehouses. It features a durable polyethylene shell, a built-in condensate pump, and an automatic defrost cycle for efficient operation in various environments.



Image 1.1: Abestorm Hurricane 85P Dehumidifier highlighting key specifications like 180 PPD capacity, auto restart, 210 CFM airflow, 2300 sq ft suitable area, and 25%-80% RH humidity setting range.

2. Safety Information

WARNING: Failure to comply with these warnings 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 inlet and outlet clear of obstructions to ensure proper airflow.
- Do not immerse the unit in water or use it in standing water.
- Unplug the unit before performing any maintenance or cleaning.

- 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 unit in areas where flammable liquids or gases are stored.

3. Setup and Installation

3.1 Unpacking

Carefully remove the dehumidifier from its packaging. Inspect the unit for any shipping damage. If damage is found, contact your supplier immediately.

3.2 Placement

Position the dehumidifier in the center of the area to be dehumidified, if possible. Ensure there is at least 1 foot (30 cm) of clearance around the air inlet and outlet for optimal performance. The unit is designed for use in large spaces up to 2300 sq. ft., including basements, crawl spaces, and job sites.



Image 3.1: The Abestorm Hurricane 85P Dehumidifier positioned in a large industrial setting, demonstrating its suitability for spaces up to 2300 sq. ft.

3.3 Drainage Setup

The Hurricane 85P features a built-in condensate pump and comes with a 19.6 ft continuous drain hose. Connect the drain hose to the unit's drainage outlet and route it to a suitable drain location. The pump can lift water up to 19.6 ft vertically, allowing for flexible placement.

- Ensure the drain hose is not kinked or blocked.
- Verify the hose is securely connected to prevent leaks.
- The unit has overflow protection to prevent water spillage.

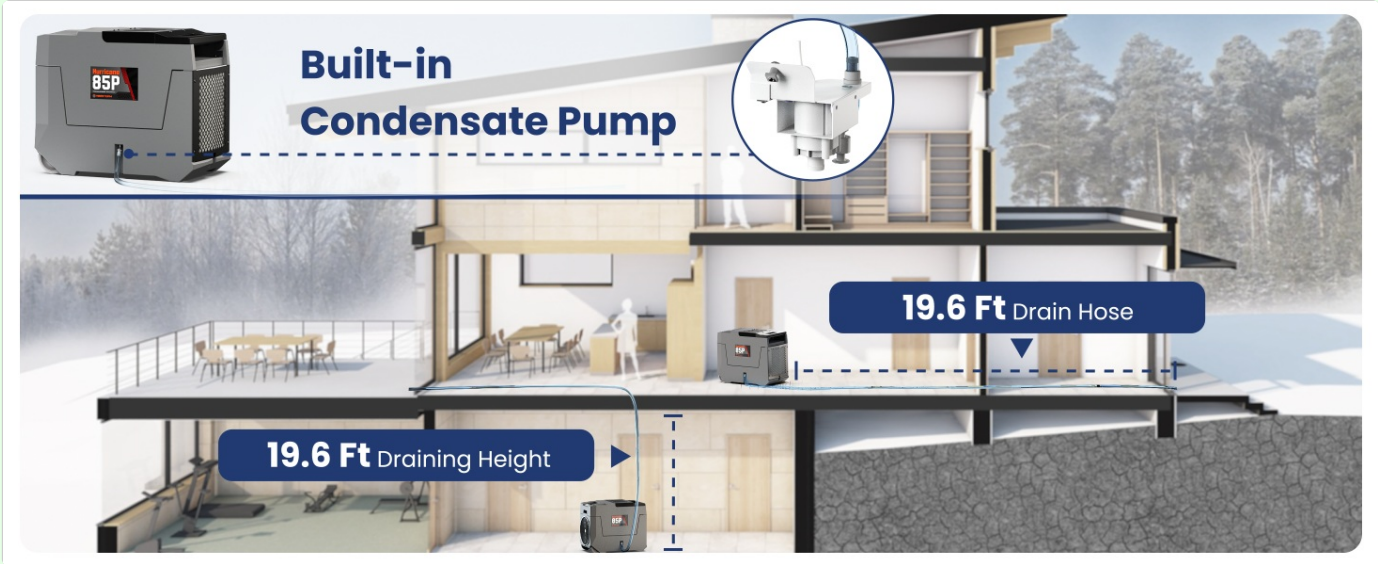


Image 3.2: A diagram illustrating the built-in condensate pump and the 19.6 ft drain hose, showing how it can be routed for drainage in multi-level structures.

3.4 Portability and Storage

The unit is designed for easy transport with wheels and a collapsible handle. Its compact layout makes it suitable for crawl spaces. The stackable design allows for efficient storage and transportation of multiple units.



Image 3.3: A person easily moving the Abestorm Hurricane 85P Dehumidifier, showcasing its portability features like smooth rolling wheels and a collapsible handle.



Image 3.4: Several Abestorm Hurricane 85P Dehumidifiers stacked efficiently, demonstrating their stackable design for easy transportation and storage.

4. Operating Instructions

The Abestorm Hurricane 85P features a user-friendly control panel for easy operation.

4.1 Control Panel Overview

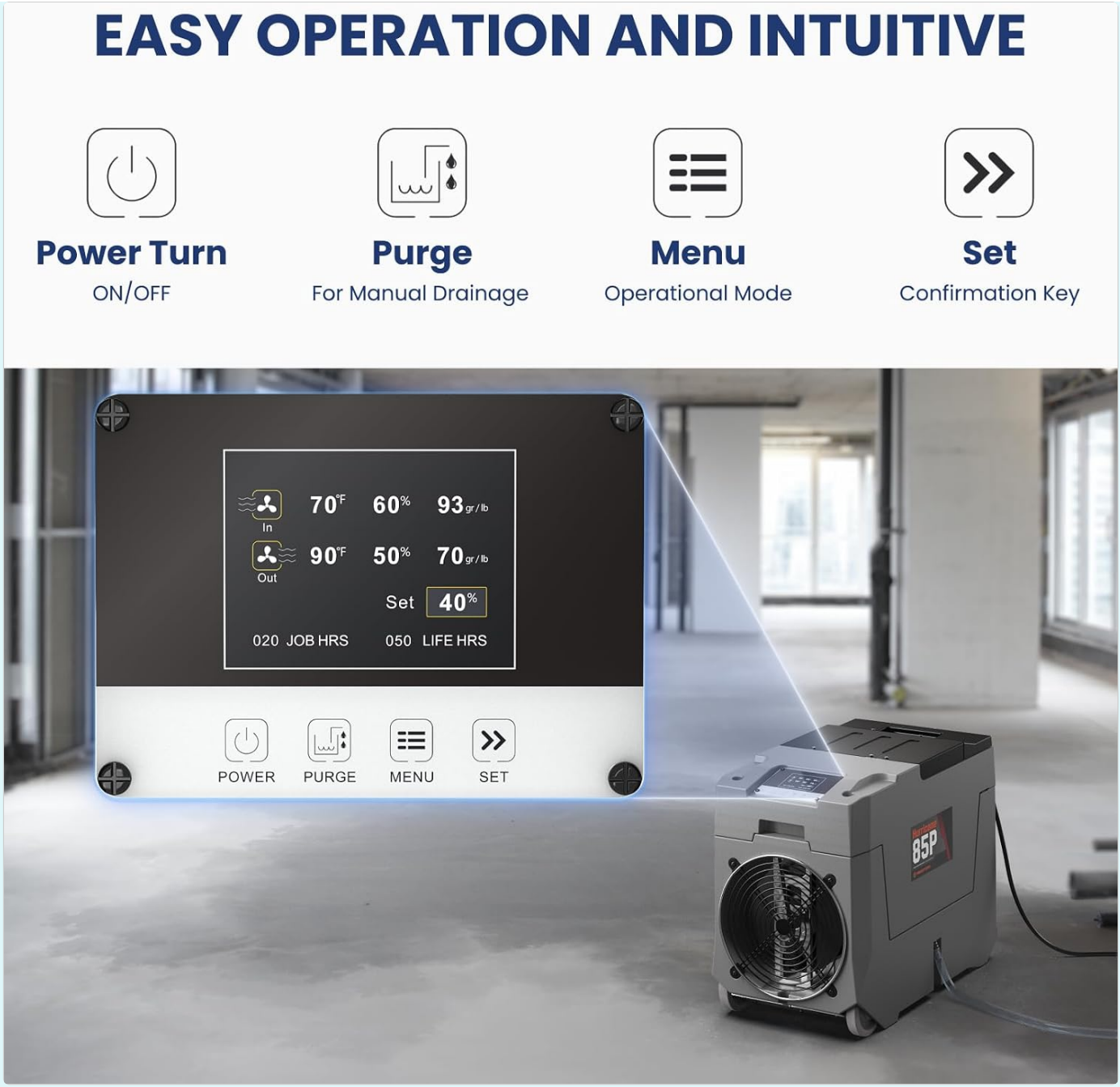


Image 4.1: The intuitive control panel of the Abestorm Hurricane 85P, showing buttons for Power, Purge, Menu, and Set, along with the digital display.

- **Power Button:** Turns the unit ON/OFF.
- **Purge Button:** Initiates manual drainage of the condensate pump.
- **Menu Button:** Navigates through operational modes and settings.
- **Set Button:** Confirms selections and adjusts humidity levels.

Note: The WiFi panel shown in some control panel images is for future development purposes only. This model does not come with WiFi functionality.

4.2 Starting the Dehumidifier

1. Plug the unit into a grounded electrical outlet.
2. Press the **Power** button to turn the unit ON.
3. Use the **Menu** and **Set** buttons to adjust the desired humidity level (range: 25%-80% RH).

4.3 Automatic Features

- **Auto Restart:** If power is interrupted, the unit will automatically restart with the previous settings once power is restored.
- **Auto Defrost:** The unit features an automatic defrost cycle that allows it to operate effectively in low temperatures (down to 36°F / 2°C) by clearing ice from the coils.
- **Continuous Operation:** Once the desired humidity is set, the unit will operate continuously until the target humidity is reached, then cycle on and off to maintain it.

5. Maintenance

Regular maintenance ensures optimal performance and extends the lifespan of your dehumidifier.

5.1 Cleaning the Air Filter

The unit is equipped with a high-density MERV-8 filter that protects internal components from dust and particles. For efficient operation, the filter should be washed once every 2-3 months, or more frequently depending on the operating environment.

1. Unplug the dehumidifier from the power outlet.
2. Locate and remove the air filter.
3. Wash the filter with warm, soapy water. Rinse thoroughly.
4. Allow the filter to air dry completely before reinserting it into the unit.
5. Do not operate the dehumidifier without the filter installed.



Image 5.1: A close-up of the high-density MERV-8 filter being cleaned under running water, demonstrating the recommended maintenance procedure.

5.2 General Cleaning

- Wipe the exterior of the unit with a soft, damp cloth.
- Do not use abrasive cleaners or solvents.
- Ensure the unit is dry before plugging it back in.

6. Troubleshooting

If you encounter issues with your dehumidifier, refer to the following troubleshooting guide. The unit features auto error detection, displaying codes on the control panel if problems occur.

6.1 Error Codes



Image 6.1: The control panel showing examples of error codes (E1, L0, HI, E5, E4) that may appear, indicating a detected issue with the unit.

Error Code	Description	Possible Solution
E1	Humidity Sensor Error	Check the humidity sensor connection. If the error persists, contact support.
L0	Low Temperature Protection	The ambient temperature is too low for operation. The unit will resume when the temperature rises.
HI	High Temperature Protection	The ambient temperature is too high for operation. The unit will resume when the temperature drops.
E4	Refrigerant Leakage / System Malfunction	Unplug the unit and contact customer support.
E5	Pump Overflow	Check the drain hose for kinks or blockages. Ensure the pump is functioning correctly.

6.2 General Troubleshooting

- **Unit does not turn on:** Check power connection, ensure the outlet is functional.
- **Unit is running but not collecting water:** Verify the humidity setting is lower than the current ambient humidity. Check if the air filter is clean. Ensure the ambient temperature is within the operating range.
- **Unusual noise:** Check for loose parts or obstructions in the fan. Ensure the unit is on a stable surface.

7. Specifications

Feature	Specification
Brand	Abestorm
Model	Hurricane 85P
Capacity (Saturation)	180 PPD (Pints Per Day)
Capacity (AHAM)	85 PPD (Pints Per Day)
Floor Area Coverage	Up to 2300 sq. ft.
Airflow	210 CFM (Cubic Feet Per Minute)
Humidity Setting Range	25% - 80% RH
Product Dimensions (D x W x H)	21"D x 11.6"W x 17.3"H
Special Features	Automatic Defrost, Built-in Condensate Pump, Auto-Restart, MERV-8 Filter
Drain Hose Length	19.6 ft
Operation Mode	Continuous
UPC	751105542499
ASIN	B0CB5NRTNF

8. Warranty and Support

8.1 Warranty Information

The Abestorm Hurricane 85P Dehumidifier comes with the following warranty:

- **Six (6) Month:** Parts and labor.
- **One (1) Year:** Parts and labor.
- **Three (3) Years:** Parts and labor on Refrigeration System ONLY (Compressor, Condenser, and Evaporator).
- **Five (5) Years:** Parts on Refrigeration System ONLY (Compressor, Condenser, and Evaporator).

Please retain your proof of purchase for warranty claims.

8.2 Customer Support

For any questions, technical assistance, or warranty inquiries, please contact Abestorm customer support:

- **Phone:** 1-(888) 276-9833
- **Email:** support@abestorm.com
- You can also reach out via "Order - Get Help" from your Amazon order page for a 24-hour service response.

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