Airecoler GT-XP5

Airecoler GT-XP5 Commercial Dehumidifier with Pump

Instruction Manual

Introduction Safety Information Features Setup Operation Maintenance Troubleshooting Specifications Warranty & Support

1. Introduction

This manual provides essential information for the safe and efficient operation of your Airecoler GT-XP5 Commercial Dehumidifier with Pump. This industrial-grade unit is designed for effective moisture removal in large, damp environments such as crawl spaces, basements, warehouses, and garages, covering up to 6,000 sq ft.

2. Safety Information

WARNING: Risk of Fire. This appliance contains a flammable refrigerant. Only trained service personnel should perform repairs. Do not puncture refrigerant tubing. Always ensure the unit is placed on a stable, level surface. Keep clear of obstructions to ensure proper airflow. Disconnect power before any maintenance or cleaning.

3. Product Features

- **Enhanced Commercial Dehumidification:** Capable of extracting up to 125 pints daily (Max.) and 60 pints at AHAM, with an airflow of 265 CFM, for spaces up to 6,000 sq ft.
- **Auto Drain with Built-in Pump:** Features a heavy-duty pump for automatic water drainage, providing up to 16.4 ft of vertical drainage height and including a 16.4-foot-long hose.
- **Compact Design:** Measures 19.2"L x 12.2"W x 13.4"H, suitable for low-clearance crawl spaces and tight basements. Offers flexible placement options including freestanding, countertop, or suspension.
- **Energy-saving Efficiency:** Incorporates an R32 dehumidification system for high performance with reduced electricity consumption. Includes a 24-hour auto ON/OFF timer.
- **Smart Features:** Adjustable humidity control, automatic defrost, digital display, auto restart, and auto fault detection.

- **Washable Filter:** Reusable filter for easy maintenance.



Image 1: The Airecoler GT-XP5 dehumidifier demonstrating its high moisture removal capacity of up to 125 pints per day.



Image 2: Illustration of the dehumidifier's 265 CFM high airflow and maximum coverage area of 6,000 sq ft.

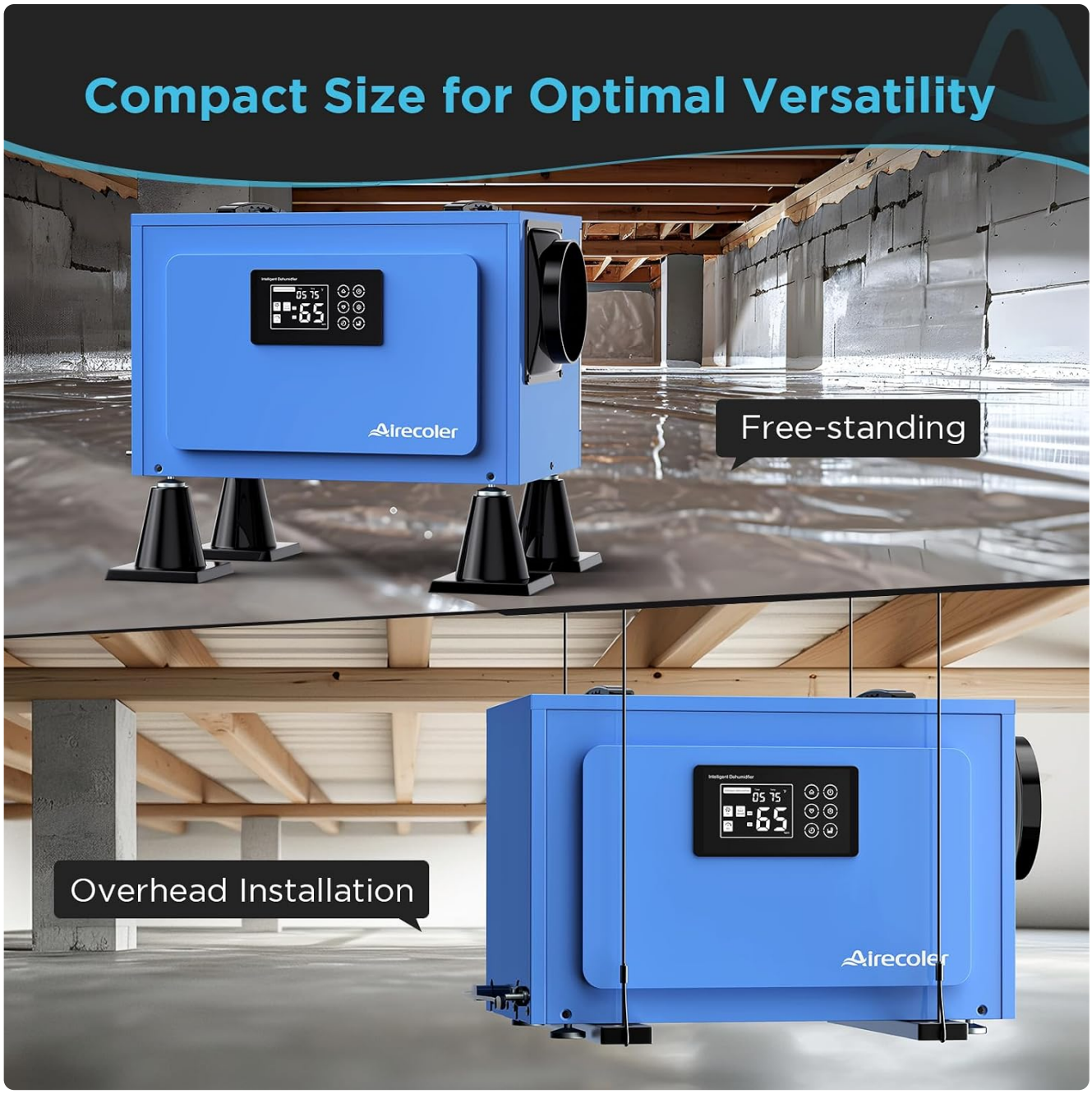


Image 3: The compact dimensions of the Airecoler GT-XP5, highlighting its versatility for various installations like freestanding or overhead.



Image 4: Detailed view of the dehumidifier's components, including convenient handles, air outlet, washable filter, pump drain outlet, and gravity drain outlet.

4. Setup Instructions

1. **Unpacking:** Carefully remove the dehumidifier from its packaging. Inspect for any shipping damage.
2. **Placement:** Place the unit on a stable, level surface. Ensure adequate clearance around the air inlet and outlet for optimal performance. The compact design allows for placement in low-clearance crawl spaces, basements, or even suspended between floor joists.
3. **Drainage Connection:**
    - **Built-in Pump Drainage:** Connect the provided 16.4 ft pump drain hose to the pump drain outlet. Route the hose to a suitable drain location, ensuring the hose is not kinked or obstructed. The pump can lift water up to 16.4 ft vertically.
    - **Gravity Drainage:** For gravity drainage, connect the 6.56 ft gravity drain hose to the gravity drain outlet. Ensure the unit is elevated above the drain point to allow water to flow downhill.
4. **Power Connection:** Plug the power cord into a grounded electrical outlet.



Image 5: The dehumidifier connected for auto drainage using the built-in pump, showing the 16.4 ft drain height and length capabilities.

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Video 1: This video demonstrates the process of connecting the drain hose for pump drainage, illustrating how to ensure proper setup for continuous operation.

5. Operating Instructions

1. **Power On/Off:** Press the power button on the control panel to turn the unit on or off.
2. **Setting Humidity Level:** Use the 'Up' and 'Down' arrow buttons to adjust the desired humidity set-point (typically between 30% and 90% RH). The unit will operate until the set humidity level is reached, then cycle off.
3. **Timer Setting:** Press the 'Timer' button to set the auto ON/OFF timer (1-24 hours). This allows you to schedule operation for specific periods.
4. **Fan Speed:** Select between low and high fan speeds using the fan button, depending on the desired dehumidification rate and noise level.
5. **Pump Purge:** For manual drainage or to clear the pump, press the 'Purge' button to activate the built-in pump.



Image 6: The digital control panel of the Airecoler GT-XP5, showing buttons for power, humidity adjustment, timer, and pump purge.

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Video 2: This video provides a visual guide on how to operate the control panel, including setting humidity levels and using the timer function.

6. Maintenance

Regular maintenance ensures optimal performance and longevity of your dehumidifier.

- **Filter Cleaning:** The washable filter should be cleaned once every 1-2 weeks, or more frequently in dusty environments. Remove the filter, rinse it with warm water, and allow it to dry completely before reinserting.
- **Exterior Cleaning:** Wipe the exterior of the unit with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Coil Cleaning:** Periodically inspect the coils for dust or debris. If necessary, use a soft brush or vacuum cleaner with a brush attachment to gently clean the coils.



Image 7: The washable and reusable filter being removed and cleaned, emphasizing the importance of regular filter maintenance.

7. Troubleshooting

Problem	Possible Cause	Solution
Unit does not turn on	No power; Power button not pressed; Humidity set too high	Check power connection; Press power button; Lower humidity set-point below ambient humidity
No water draining	Drain hose kinked/blocked; Pump not activated; Humidity too low	Check and clear drain hose; Press 'Purge' button; Ensure ambient humidity is above set-point
Unit runs constantly	Humidity set too low; Large area/high moisture load	Increase humidity set-point; Allow more time for dehumidification; Ensure proper sealing of the area
Unusual noise	Unit not level; Fan obstruction	Ensure unit is on a flat surface; Check for debris in fan/air vents

8. Specifications

Feature	Detail
Brand	Airecoler
Model Name	GT-XP5
Dehumidification Capacity (Max)	125 Pints/Day
Dehumidification Capacity (AHAM)	60 Pints/Day
Coverage Area	Up to 6,000 Square Feet
Air Flow Capacity	265 Cubic Feet Per Minute (CFM)
Product Dimensions	12.2"D x 19.2"W x 13.4"H
Item Weight	51 Pounds

Feature	Detail
Material	Metal
Wattage	830 watts
Special Features	1-24 H Timer, Adjustable Humidity Control, Automatic Defrost, Digital Display, Built-in Pump
Included Components	16.4 Ft Pump Drain Hose, 6.56 Ft Gravity Drain Hose, User Manual, Washable Filter

9. Warranty & Support

The Airecoler GT-XP5 Commercial Dehumidifier is backed by a **5-year covered warranty**. This includes a 2-year full warranty for the entire dehumidifier and an additional 3 years for the dehumidification system, ensuring peace of mind and long-term reliability.
For customer support, please contact Airecoler US directly. You can find their contact information on the product label or through their official website.

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