Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

Ideal-Air HGC701602

Ideal-Air Pro Series 100 Pint Dehumidifier Instruction Manual

Model: HGC701602

1. Introduction

Thank you for choosing the Ideal-Air Pro Series 100 Pint Dehumidifier. This commercial-grade unit is designed to effectively remove excess moisture from the air in various environments, including greenhouses, workshops, and grow rooms. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your dehumidifier. Please read it thoroughly before initial use and retain it for future reference.
Important: After transportation, ensure the unit is placed upright for at least 3 hours before plugging it in and operating. This allows the refrigerant to settle properly.

2. Safety Instructions

- Always connect the dehumidifier to a properly grounded electrical outlet with the correct voltage (115V, 60Hz).
- Do not operate the unit with a damaged power cord or plug. If the cord is damaged, it must be replaced by the manufacturer or a qualified service agent.
- Ensure the dehumidifier is placed on a stable, level surface to prevent tipping and ensure proper drainage.
- Maintain adequate clearance around the unit (at least 12 inches on all sides) for proper airflow and heat dissipation.
- Do not insert objects into the air inlet or outlet grilles.
- Unplug the unit before cleaning, performing maintenance, or moving it.
- 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 dehumidifier in areas where flammable liquids or gases are stored.
- Operating temperature range: 41°F - 95°F (5°C - 35°C). Operating outside this range may affect performance or damage the unit.

3. Product Features

The Ideal-Air Pro Series 100 Pint Dehumidifier is equipped with several features designed for robust and efficient performance:

- **High Capacity:** Removes up to 100 pints of moisture per day (at 86°F, 80% RH).
- **Automatic Restart:** The unit will automatically restart with previous settings after a power outage.
- **Internal Condensate Pump:** Facilitates automatic water removal, allowing for continuous operation without manual

emptying.

- **Washable Air Filter:** Easy to remove and clean, ensuring optimal performance and air quality.
- **Digital Control Panel:** Provides clear display of humidity settings and easy access to functions.
- **Built-in Defrost:** Designed for efficient operation in lower temperatures, down to 41°F (5°C).
- **Durable Construction:** Features a powder-coated metal casing and heavy-duty compressor for longevity.
- **Portability:** Compact design with built-in handles and wheels for easy maneuvering.



Figure 1: Front view of the Ideal-Air Pro Series 100 Pint Dehumidifier with the air filter removed, showing the internal coils and control panel.

4. Setup

4.1 Unpacking and Placement

1. Carefully remove the dehumidifier from its packaging.
2. Place the unit on a firm, level surface in the desired location. Ensure there is at least 12 inches (30 cm) of clear space around all sides of the unit to allow for proper air circulation.
3. As mentioned in the introduction, allow the unit to stand upright for a minimum of 3 hours before plugging it in.

4.2 Drainage Options

The dehumidifier features an internal condensate pump for automatic water removal. This allows the unit to pump collected water to a drain or sink, eliminating the need to manually empty a water bucket.

- **Internal Pump Drainage:** Connect the provided drain hose to the pump outlet. Route the hose to a suitable drain location, ensuring there are no kinks or obstructions. The pump can lift water vertically to a certain height (refer to specifications for exact lift height).
- **Gravity Drainage (Optional):** If preferred, and if the unit can be placed above a drain, a gravity drain option may be available. Consult the unit's specific design for a gravity drain port, if present, and connect a suitable hose.



Figure 2: Close-up view of the drainage port on the side of the dehumidifier, where the drain hose for the internal pump is connected.

5. Operating Instructions

5.1 Control Panel Overview



Figure 3: Detailed view of the digital control panel with various buttons and indicator lights.

The control panel features a digital display and several buttons for operation:

- **POWER Button:** Turns the unit On or Off.
- **ADD / MINUS Buttons:** Adjust the desired humidity level (Relative Humidity - RH) or set the timer duration.
- **CONT (Continuous) Button:** Activates continuous dehumidification mode, regardless of the set humidity level.
- **DRAIN Button:** Manually activates the internal condensate pump to drain collected water.
- **TIMER Button:** Sets the auto-on or auto-off timer.

Indicator Lights:

- **FULL:** Illuminates when the internal reservoir is full (if applicable, or indicates a pump issue if continuous drain is active).
- **CONT:** Illuminates when continuous dehumidification mode is active.
- **DEFROST:** Illuminates when the unit is in defrost mode.
- **TIMER:** Illuminates when the timer function is active.

5.2 Basic Operation

1. **Power On/Off:** Press the POWER button to turn the unit on or off.
2. **Setting Desired Humidity:** When the unit is on, use the ADD (up arrow) and MINUS (down arrow) buttons to set your desired relative humidity level. The display will show the current humidity, then flash the set humidity as you adjust it. The unit will operate until the ambient humidity reaches the set level, then cycle off. It will restart when humidity rises above the set point.
3. **Continuous Dehumidification:** Press the CONT button to activate continuous mode. In this mode, the unit will run continuously, regardless of the ambient humidity level, until the CONT button is pressed again or the unit is powered off. The 'CONT' indicator light will be on.
4. **Timer Function:** Press the TIMER button to set an auto-on or auto-off time. Use the ADD/MINUS buttons to adjust the hours. The 'TIMER' indicator light will be on.
5. **Manual Drain:** If you need to manually activate the internal pump to drain water, press the DRAIN button.

6. Maintenance

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

6.1 Cleaning the Air Filter

The air filter should be cleaned regularly, typically every 2-4 weeks, depending on usage and air quality.

1. Unplug the dehumidifier from the power outlet.
2. Locate the air filter access panel (usually on the back or side 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 reinstalling. Do not use a dishwasher or dryer.
5. Reinsert the dry filter and close the access panel.

6.2 Condensate Pump Maintenance

The internal condensate pump can accumulate debris over time, potentially leading to clogs. Regular inspection and cleaning are recommended.

1. Unplug the dehumidifier.
2. Access the pump area. This may require removing a side panel. Refer to the unit's specific design for access.
3. Inspect the pump reservoir and float switch for any buildup of slime or debris.
4. Clean the reservoir and float switch using a mild detergent and water. A small brush can help remove stubborn deposits.
5. Ensure the drain hose is clear of obstructions.
6. Reassemble the unit.

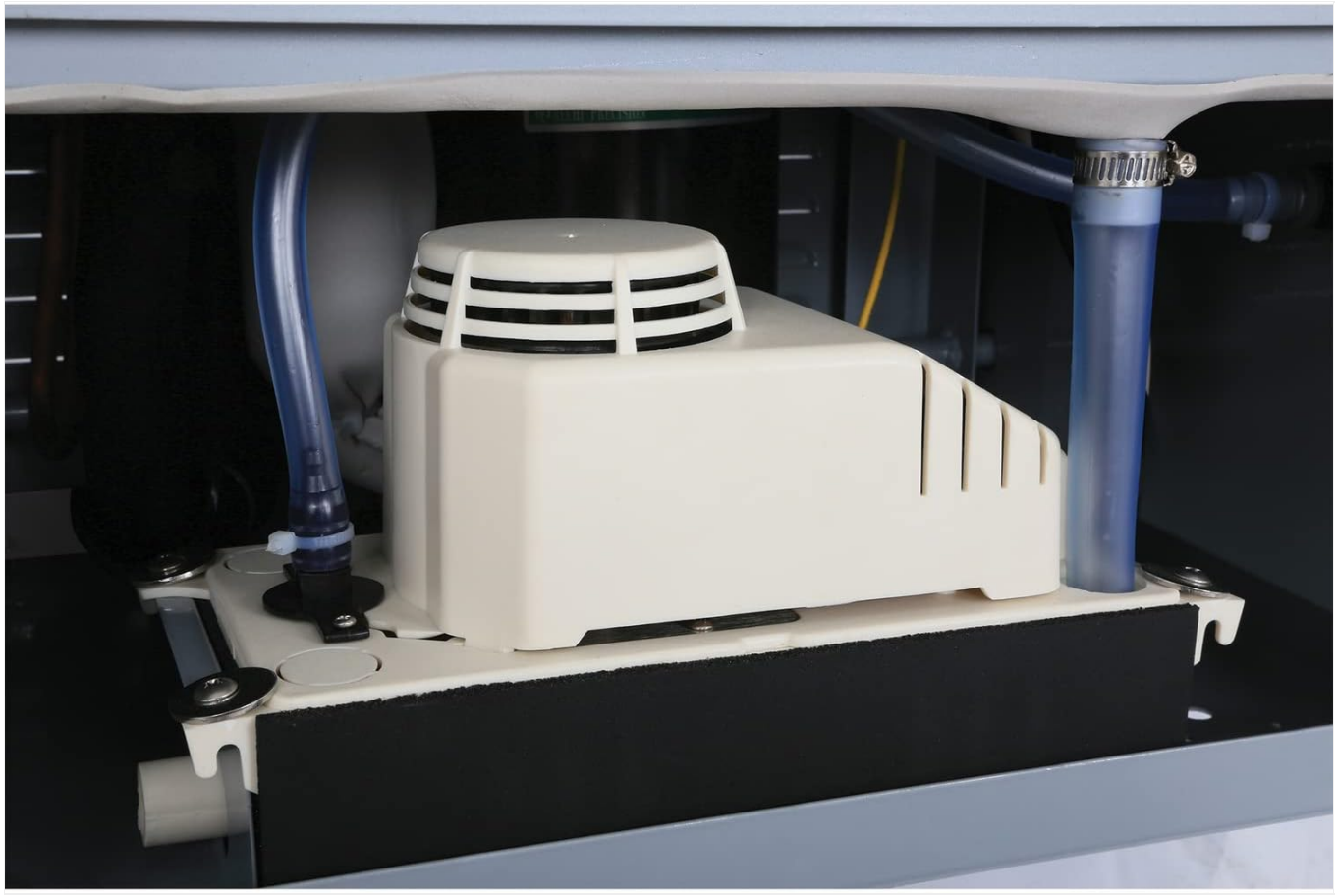


Figure 4: Internal view of the dehumidifier, highlighting the condensate pump component. Regular cleaning of this pump is crucial for preventing clogs and ensuring continuous operation.

6.3 General Cleaning

- Wipe the exterior of the unit with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Keep the air inlet and outlet grilles free of dust and debris. Use a vacuum cleaner with a brush attachment if necessary.

7. Troubleshooting

Before contacting customer support, please review the following common issues and solutions:

Problem	Possible Cause	Solution
Unit does not turn on	No power supply Power button not pressed Unit not upright for 3 hours	Check power cord and outlet Press POWER button Ensure unit has been upright for 3 hours
No dehumidification	Air filter clogged Humidity setting too high Room temperature too low Coils frozen (Defrost mode active)	Clean air filter Lower the desired humidity setting Ensure room temperature is within 41-95°F Wait for defrost cycle to complete
Water leakage / Pump not working	Drain hose kinked or clogged Condensate pump clogged Pump malfunction	Check and clear drain hose Clean the condensate pump (refer to Maintenance section) Contact customer support for pump issues
Unit is noisy	Unit not on a level surface Loose parts Fan obstruction	Place on a level surface Inspect for loose components (contact support if unsure) Check for obstructions in fan area

If the problem persists after attempting these solutions, please contact Ideal-Air customer support.

8. Specifications

Refer to the following technical specifications for the Ideal-Air Pro Series 100 Pint Dehumidifier:

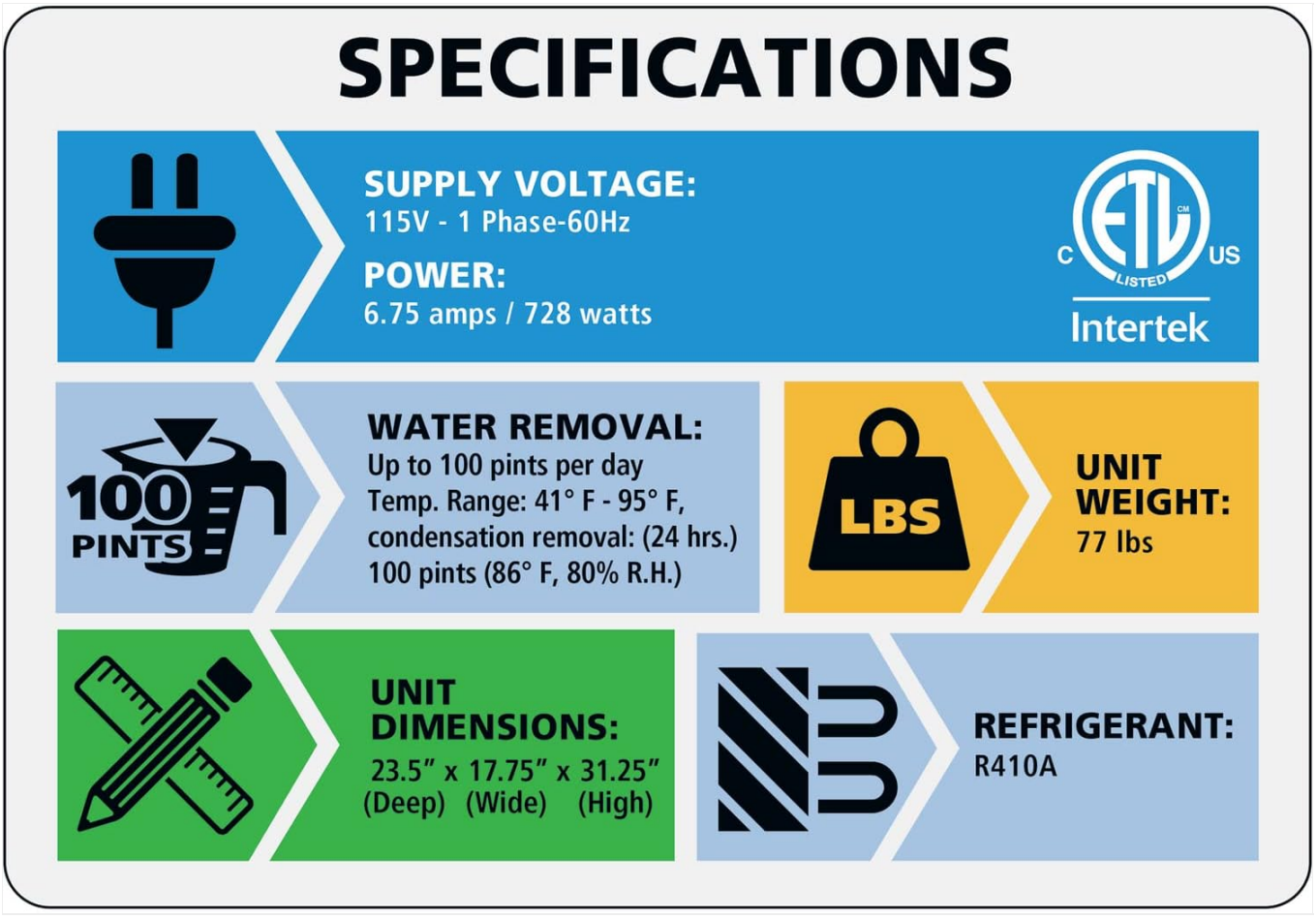


Figure 5: Chart detailing the electrical, performance, and physical specifications of the dehumidifier.

Specification	Value
Model Number	HGC701602
Dehumidification Capacity	100 Pints per Day (at 86°F, 80% RH)
Supply Voltage	115V, 1 Phase, 60Hz
Power Consumption	6.75 Amps / 728 Watts
Operating Temperature Range	41°F - 95°F (5°C - 35°C)
Refrigerant	R410A
Product Dimensions (D x W x H)	22" x 24" x 46"
Item Weight	75 lbs
Material	Metal, Plastic


46"
24"
22"
IDEALair
GROWING CLIMATE SOLUTIONS
ideal-air.com

Figure 6: Diagram illustrating the overall dimensions of the Ideal-Air Pro Series 100 Pint Dehumidifier.

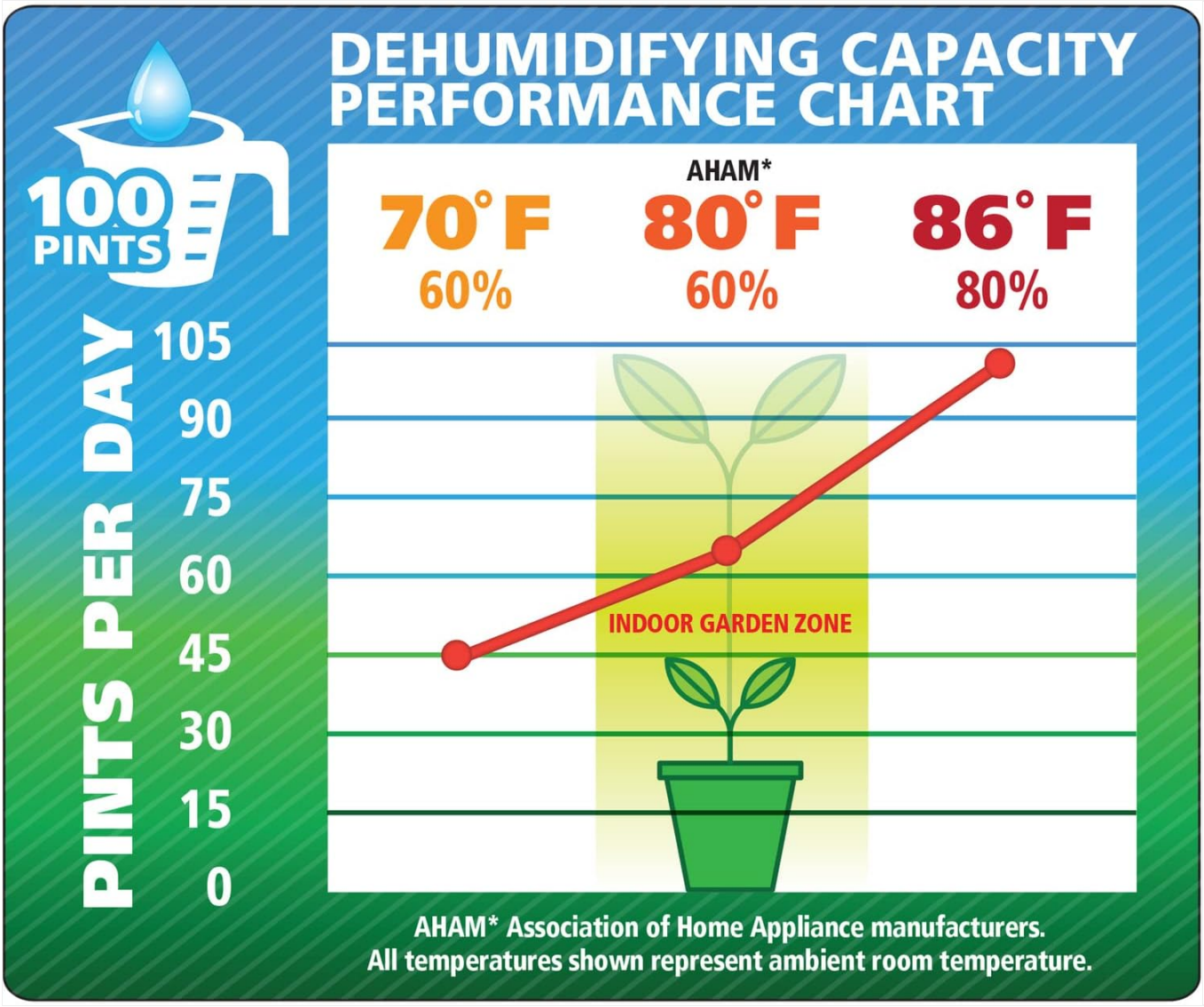


Figure 7: Performance chart showing dehumidifying capacity in pints per day at various temperatures and relative humidity levels, including the 'Indoor Garden Zone'.

9. Warranty and Support

This Ideal-Air Pro Series Dehumidifier typically comes with a manufacturer's warranty, which usually covers defects in materials and workmanship for a period of one year from the date of purchase. Please refer to your purchase documentation or the manufacturer's official website for specific warranty terms and conditions.

For technical assistance, warranty claims, or to inquire about replacement parts, please contact Ideal-Air customer support directly. Have your model number (HGC701602) and proof of purchase ready when contacting support.

Manufacturer: Hawthorne Hydroponics, LLC

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

Open the live page

https://manuals.plus/asin/B077V912S5

More documents and user manuals: **https://manuals.plus/**