AC Infinity Dome Kit (AC-HDA5)

AC Infinity Humidity Dome Instruction Manual

Model: Dome Kit (AC-HDA5)

INTRODUCTION

The AC Infinity Humidity Dome is designed to create an optimal microclimate for seed germination, plant propagation, and cloning. Its heavy-duty construction and adjustable features ensure a controlled environment, promoting successful plant development. This manual provides detailed instructions for assembly, operation, and maintenance.
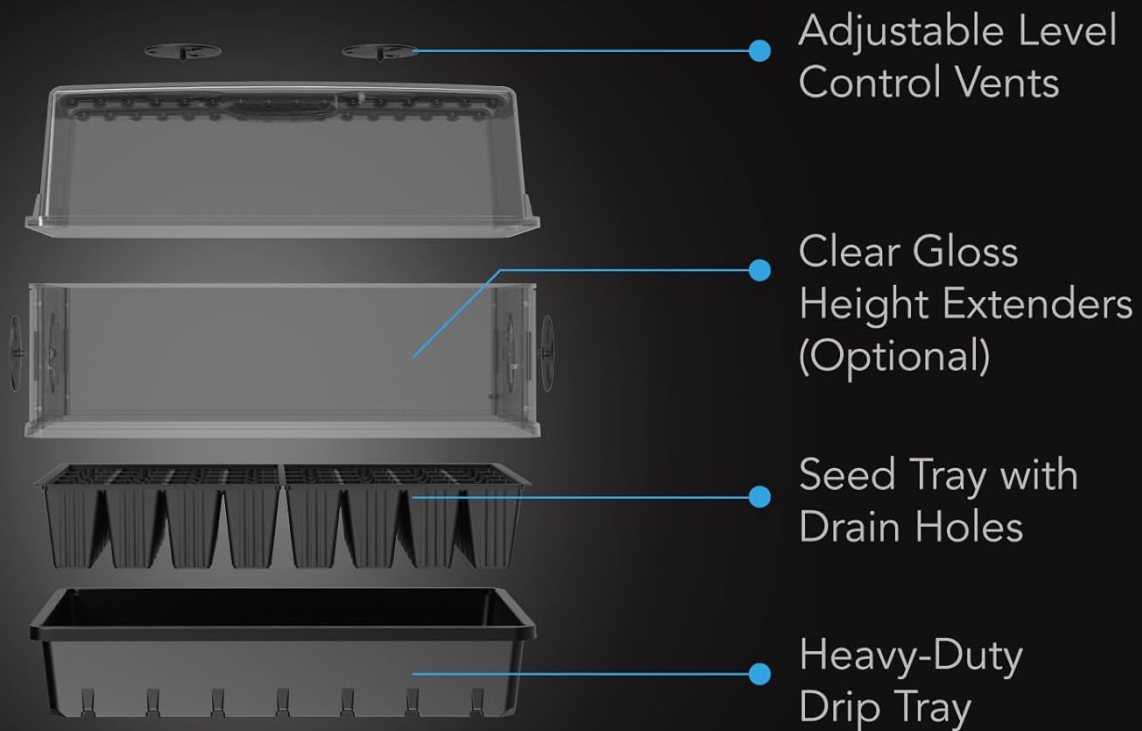
A complete view of the AC Infinity Humidity Dome, showing the clear dome, seedling tray, and drip tray assembled.

PACKAGE CONTENTS

Verify that all components are present before proceeding with assembly:

- Heavy-Duty Humidity Dome (3 mm thick, clear gloss finish)
- Height Extension Panels (optional, for increased dome height)
- 5x8 Cell Seedling Tray (accommodates up to 40 seedlings)
- Sturdy Drip Tray

SEAMLESS FIT ASSEMBLY

Adjustable Level Control Vents

Clear Gloss Height Extenders (Optional)

Seed Tray with Drain Holes

Heavy-Duty Drip Tray

An exploded diagram illustrating the individual components: adjustable vents, clear gloss height extenders (optional), seed tray with drain holes, and heavy-duty drip tray, showing how they fit together.

ASSEMBLY INSTRUCTIONS

Follow these steps to assemble your humidity dome:

1. Place the sturdy drip tray on a flat, stable surface.
2. Insert the 5x8 cell seedling tray into the drip tray. Ensure it sits securely.
3. If additional height is required for taller plants, place the height extension panels on top of the drip tray, aligning them with the edges.
4. Carefully place the heavy-duty humidity dome on top of the seedling tray, or on the height extension panels if used. Ensure the dome fits snugly to create a sealed environment.

An infographic highlighting the dome's features for precise humidity control, including total security, effective build, and versatile design for propagation.
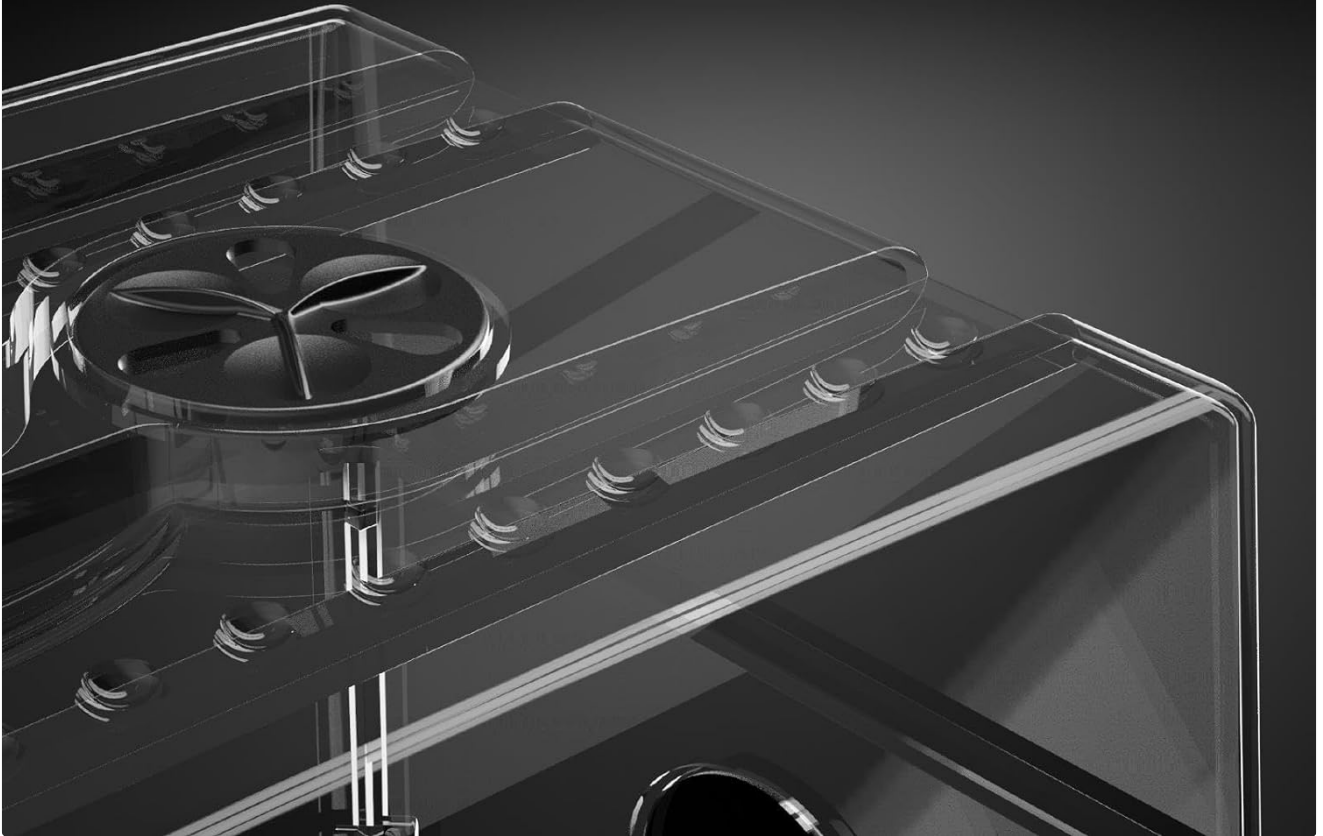
OPERATION GUIDE

Humidity Control

The humidity dome features adjustable vents on the top and sides. These vents allow you to regulate the airflow and humidity levels within the dome. For initial germination, keep the vents closed to maintain high humidity. As seedlings grow and require more air circulation, gradually open the vents to reduce humidity and harden off the plants.

HUMIDITY CONTROL

Clear glossy dome helps maximize light exposure and adjusts humidity levels while height extenders raise the dome ceiling for propagation projects.
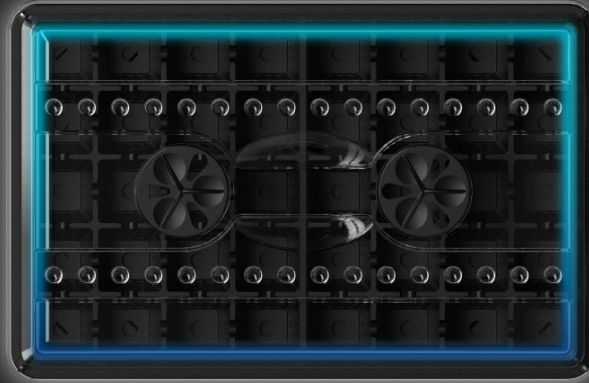
A detailed view of the adjustable circular vents on the humidity dome, used to regulate airflow and humidity levels.

Height Adjustment

The optional height extension panels provide additional vertical space for plants as they grow. If your seedlings or clones begin to touch the top of the dome, insert the extension panels during assembly to accommodate their increased size. This prevents stunted growth and allows for continued development within the controlled environment.

FIT FOR YOUR GROW

Available in 40-cell standard or 72-cell large tray models to scale your seed starting and propagating.
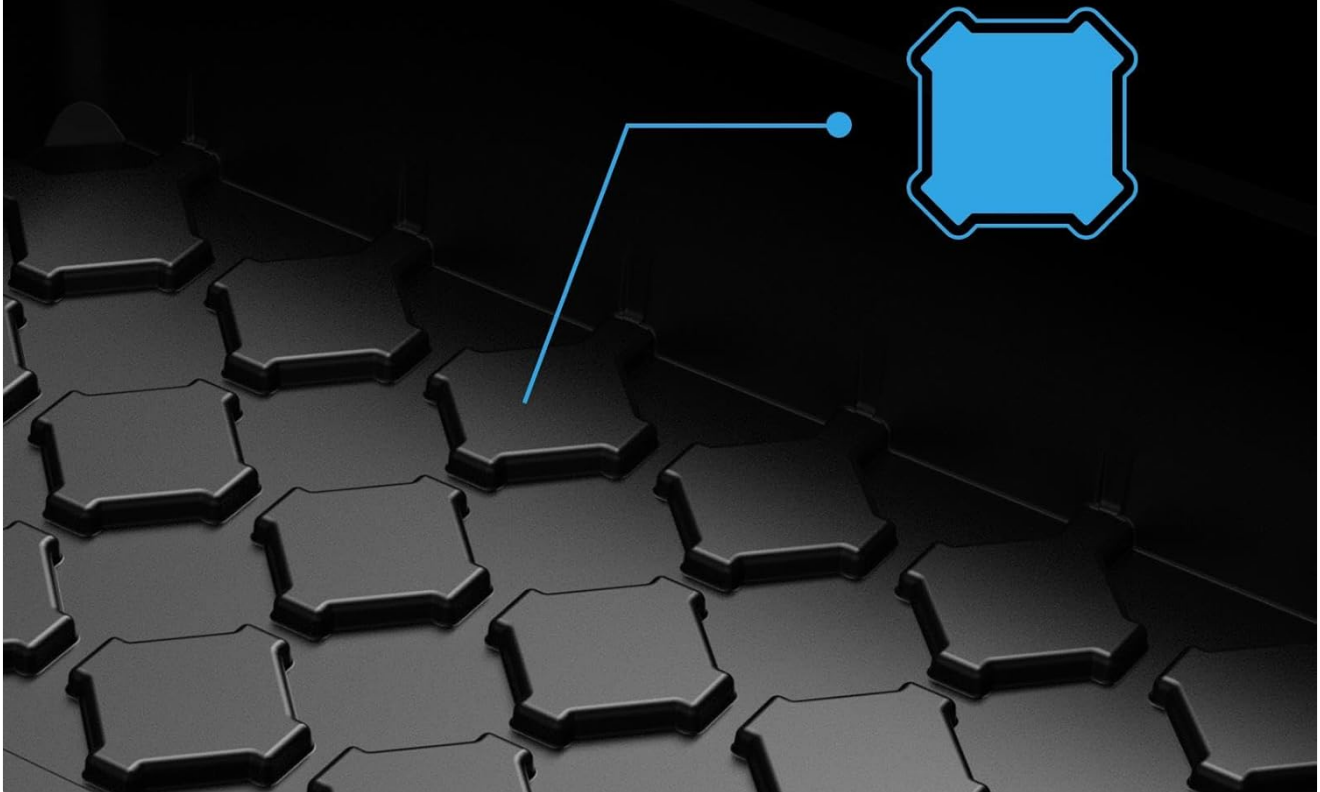
A visual comparison illustrating the standard height of the humidity dome versus its extended height with the optional panels, accommodating taller plants.

Water Management

The sturdy drip tray is designed to collect any excess water that drains from the seedling tray. Its raised bottom grooves ensure that the seedling tray remains elevated, preventing roots from sitting in standing water. Regularly check and empty the drip tray to maintain a healthy environment and prevent waterlogging.

EFFICIENT WATER-CATCHING

Firm and robust drip tray with raised bottom grooves keep the seedling tray in place while ensuring excess water is kept separate from your grow medium.

A close-up of the drip tray's design, featuring raised bottom grooves to separate excess water from the seedling tray, preventing root rot.

CARE AND MAINTENANCE

Proper care will extend the lifespan of your AC Infinity Humidity Dome:

- **Cleaning:** Clean all components with mild soap and warm water after each use or as needed.
- **Avoid Abrasives:** Do not use abrasive cleaners or harsh chemicals, as these can scratch or damage the plastic surfaces.
- **Drying:** Ensure all parts are thoroughly dry before reassembly or storage to prevent mold or mildew growth.
- **Storage:** Store the humidity dome in a cool, dry place away from direct sunlight when not in use.

TROUBLESHOOTING

Refer to the following common issues and solutions:

- **Problem:** Insufficient humidity inside the dome.
  Solution: Ensure all vents are fully closed. If necessary, lightly mist the inside of the dome or the growing medium.

- **Problem:** Excessive humidity or condensation.
  Solution: Gradually open the adjustable vents to increase airflow and reduce internal humidity.

- **Problem:** Plants are touching the top of the dome.
  Solution: Disassemble the dome and insert the height extension panels to provide additional vertical space.

- **Problem:** Water accumulating around the seedling tray.
  Solution: Regularly check and empty the drip tray. Ensure the seedling tray is properly seated on the raised grooves of the drip tray.

PRODUCT SPECIFICATIONS

Model	Dome Kit (AC-HDA5)
Cell Count	40
Dome Finish	Gloss
Tray Thickness	3 mm
Vents	4 (with extender)
Product Dimensions (Base)	6.3"D x 2.76"W x 4.33"H
Extended Height	10.70"
Material	Glossy plastic
Color	Black
Item Weight	1 pound (16 ounces)
UPC	819137023208

SPECIFICATIONS

MODEL | HUMIDITY DOME (AC-HDA5)
DOME FINISH | Gloss
TRAY COLOR | Black

CELL COUNT | 40
TRAY THICKNESS | 3 mm
VENTS | 4 (w/ extender)

9.09" (23.1 cm)

14.24" (36.1 cm)
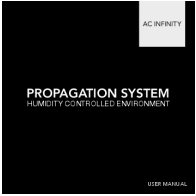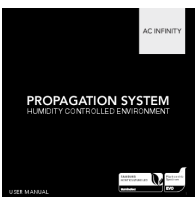
Extended Height: **10.70"** (27.2 cm)

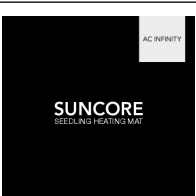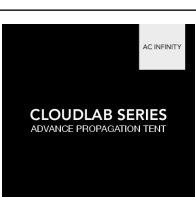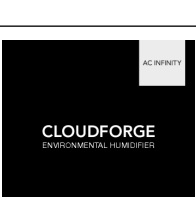**6.57"** (16.7 cm)

AC INFINITY

A technical diagram detailing the dimensions (length, width, height, extended height) and key specifications like cell count, dome finish, tray thickness, and number of vents.

WARRANTY AND SUPPORT

AC Infinity products are designed for quality and durability. For detailed warranty information, technical assistance, or to explore other innovative products, please visit the official AC Infinity store or contact their customer support directly.
Official AC Infinity Store: https://www.amazon.com/stores/ACInfinity/page/16FAF5B9-1BA1-499D-AC31-B85736AF165C

Related Documents - Dome Kit (AC-HDA5)

	[AC Infinity Propagation System User Manual: Humidity Controlled Environment](#) Comprehensive user manual for the AC Infinity Propagation System, detailing installation, features, programming, and starter guides for humidity domes, LED grow lights, and seedling mats. Includes product specifications and warranty information.
	[AC Infinity Propagation System User Manual: Humidity Controlled Environment](#) Comprehensive user manual for the AC Infinity Propagation System, detailing installation, setup, features, programming, and maintenance of humidity-controlled environments, LED lighting, and controllers. Includes product specifications and warranty information.
	[AC Infinity SUNCORE Seedling Heating Mat User Manual](#) Comprehensive user manual for the AC Infinity SUNCORE Seedling Heating Mat, covering setup, programming, features, and warranty information. Learn how to optimize germination and plant growth.
	[AC Infinity Cloudlab Series Advance Propagation Tent User Manual](#) User manual for the AC Infinity Cloudlab Series Advance Propagation Tent, detailing features, product contents, installation steps, various configurations, controller setup, mounting options, and warranty information.
	[AC Infinity SUNCORE Seedling Heating Mat User Manual](#) Comprehensive user manual for the AC Infinity SUNCORE Seedling Heating Mat, covering installation, features, programming, starter guides, and troubleshooting for optimal plant germination and rooting.
	[AC Infinity Cloudforge Environmental Humidifier User Manual](#) Comprehensive user manual for the AC Infinity Cloudforge Environmental Humidifier. Learn about installation, setup, features, programming, cleaning, and warranty information for models T3, T5, T7, and T9.