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› HOWE 12x10x10 FT Polycarbonate Greenhouse User Manual

HOWE YPG203-HWG

HOWE 12x10x10 FT Polycarbonate Greenhouse User Manual

Model: YPG203-HWG

PRODUCT OVERVIEW

This manual provides essential information for the assembly, operation, and maintenance of your HOWE 12x10x10 FT Polycarbonate Greenhouse. This professional-grade greenhouse is designed for year-round use, offering a robust structure for plant cultivation or as a versatile outdoor storage solution.



Image: Full exterior view of the HOWE 12x10x10 FT Polycarbonate Greenhouse, showcasing its spacious design and the plants housed within.

Key features include a heavy-duty aluminum frame, 6mm polycarbonate panels, and a built-in gutter system. It is engineered to withstand various weather conditions, including high winds and snow loads.

STRUCTURAL FEATURES AND MATERIALS

The greenhouse is constructed with a 1.5mm thickened aluminum frame, powder-coated for rust resistance and durability. The 6mm polycarbonate (PC) panels are inserted into the frame, providing superior weather resistance and UV protection compared to clip-on alternatives.

- **Frame Material:** 1.5mm thickened, black powder-coated aluminum.
- **Panel Material:** 6mm inserted polycarbonate (PC) panels.
- **UV Resistance:** 99.9% UV block.
- **Wind Rating:** Up to 65 mph.

- **Snow Load Capacity:** 20 psf (pounds per square foot), capable of holding up to a 3-foot fresh snow layer.
- **Base:** 13-inch high galvanized steel base for stability.

HEAVY DUTY GREENHOUSE

1.5mm thickened Aluminum for year-round stability



Hold up 3 feet
fresh snow layer
Roof Load
Capacity: 1000lb

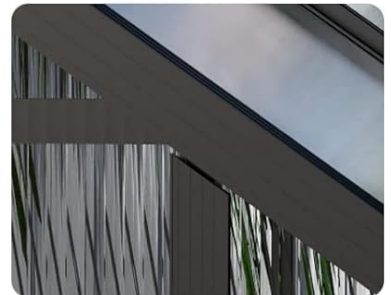
Allow all kinds
of racks
placing tools:
Wall Load
Capacity: 1500lb

Image: Diagram illustrating the heavy-duty aluminum frame, indicating a roof load capacity of 1000 lbs and wall load capacity of 1500 lbs, suitable for various racks and tools.

SOLID & STURDY STRUCTURE



Thick connector for added stability



Embossing detail for Non-slip



13in high Galvanized Steel base

Image: Close-up views of the greenhouse's solid structure, showing thick connectors for stability, embossing details for non-slip surfaces, and the 13-inch high galvanized steel base designed for secure ground installation in soil or concrete.

SETUP AND INSTALLATION

The HOWE greenhouse is designed for assembly by competent DIY enthusiasts. A comprehensive set of instructions is included with the product. It is recommended that at least three individuals participate in the assembly process, which typically takes approximately 8 hours.

Pre-Installation Checklist:

- Verify all components are present according to the packing list.
- Ensure the chosen site is level and clear of obstructions.
- Gather necessary tools (e.g., wrenches, screwdrivers, level, measuring tape).
- Review the entire instruction manual before beginning assembly.

Assembly Steps (General Guidance):

1. Assemble the galvanized steel base frame.
2. Erect the main aluminum frame structure, ensuring all connections are secure.
3. Install the polycarbonate panels into the designated frame slots.
4. Attach the roof vents and sliding doors.
5. Install the built-in gutter system components.
6. Perform a final check for stability and proper alignment of all parts.

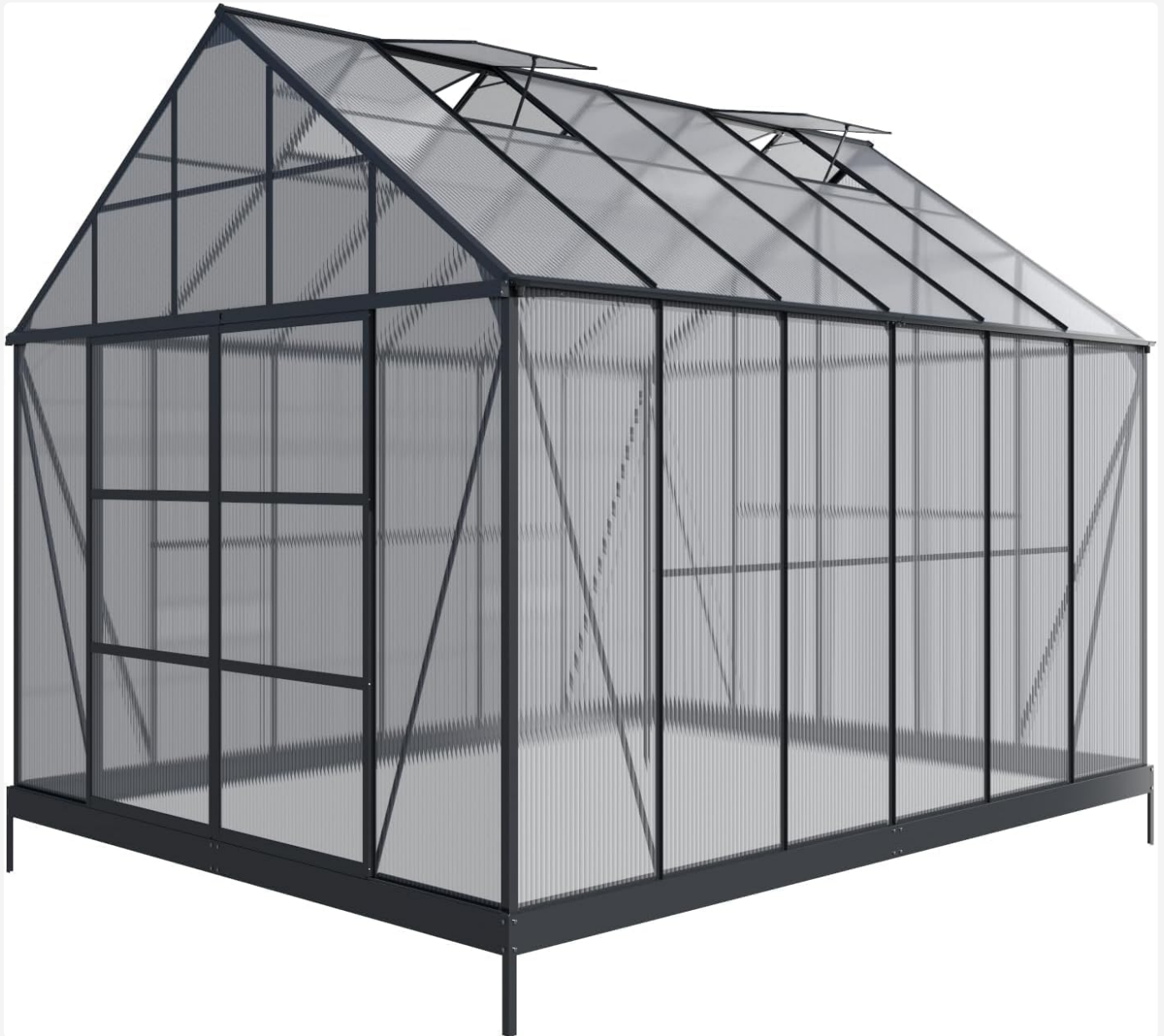


Image: Interior view of the greenhouse during the setup phase, showing the spacious structure before full outfitting.

OPERATING THE GREENHOUSE

This greenhouse is equipped with features to optimize the growing environment for your plants and provide convenient access.

Ventilation:

The greenhouse features **4 roof vents** to ensure adequate airflow and temperature regulation. These vents can be adjusted to **5 different heights** to control the amount of ventilation. Proper ventilation is crucial for preventing overheating

and humidity buildup, which can harm plants.

Access:

Two **sliding doors** provide optimum accessibility for entering and exiting the greenhouse, as well as for moving plants and equipment. Ensure the doors slide smoothly and are kept clear of debris.

More Ventilation

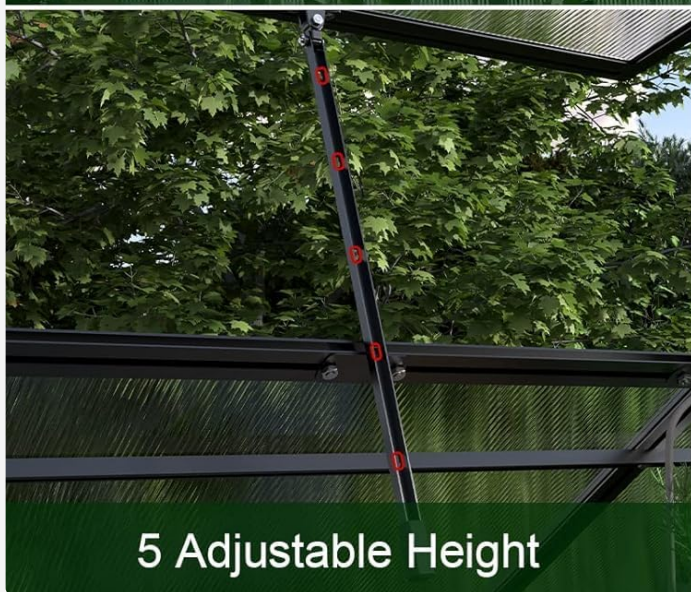


Image: Visual representation of the greenhouse's ventilation system, highlighting the four adjustable roof vents and the double sliding doors for easy access and airflow control.

MAINTENANCE

Regular maintenance will ensure the longevity and optimal performance of your HOWE greenhouse.

Cleaning:

- Periodically clean the polycarbonate panels with mild soap and water to maintain light transmission. Avoid abrasive

cleaners.

- Clear any debris from the frame and panel edges.

Gutter System:

The greenhouse features a **built-in gutter system** for effective water drainage and collection. Regularly inspect and clean the gutters to prevent blockages, especially after heavy rainfall or during autumn when leaves may accumulate. A hose can be attached to the gutter outlet to collect rainwater for plant watering.



Image: Close-up view demonstrating the inserted PC panels, which are more durable than clip-on types, and the built-in gutter system designed to capture rainwater for reuse.

Structural Integrity:

- Periodically check all bolts and fasteners to ensure they remain tight.
- Inspect the base for any signs of shifting or damage, especially after severe weather.

TROUBLESHOOTING

This section addresses common issues you might encounter with your greenhouse.

Problem	Possible Cause	Solution
Water leakage from roof/panels	Loose panel seals, damaged panels, or clogged gutters.	Inspect panel seals and re-secure if loose. Check panels for cracks and replace if necessary. Clean gutter system thoroughly.
Difficulty sliding doors	Debris in tracks, misaligned doors, or worn rollers.	Clean tracks of dirt and debris. Check door alignment and adjust if possible. Lubricate rollers if needed.
Poor ventilation/High humidity	Vents closed, insufficient airflow, or external obstructions.	Ensure all roof vents are open and adjusted appropriately. Clear any plants or objects blocking airflow. Consider additional passive ventilation if needed.
Greenhouse instability/Wobbling	Loose frame connections, improper base anchoring, or uneven ground.	Tighten all frame bolts and fasteners. Verify the base is securely anchored to the ground. Ensure the ground beneath the base is level.

SPECIFICATIONS

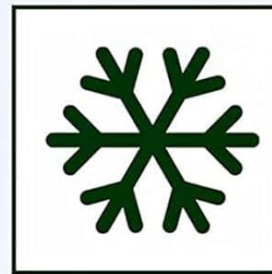
Detailed specifications for the HOWE 12x10x10 FT Polycarbonate Greenhouse (Model: YPG203-HWG).



65mph Windproof



99.99% UV Block



Roof Snow Load: 20psf



Image: Diagram showing key dimensions (e.g., 12ft 5in length, 9ft 10in width, 9ft 10in height) and weather resistance ratings including 65mph windproof, 99.99% UV block, and 20psf roof snow load.

Attribute	Value
Model Number	YPG203-HWG
Product Dimensions (L x W x H)	365.76 x 304.8 x 304.8 cm (12 x 10 x 10 FT)
Item Weight	116.12 kg (256 Pounds)
Frame Material	1.5mm Thickened Aluminum (Black Powder-Coated)
Panel Material	6mm Polycarbonate (PC)
UV Resistance	99.9% UV Block
Wind Rating	65 mph

Attribute	Value
Snow Load Capacity	20 psf
Storage Capacity	715 cu. ft.
Number of Vents	4
Doors	2 Sliding Doors
Manufacturer	HOWE

WARRANTY AND SUPPORT

Specific warranty details are not provided within this manual. For information regarding warranty coverage, claims, or technical support, please refer to the documentation included with your purchase or contact HOWE customer service directly. Keep your purchase receipt and model number (YPG203-HWG) readily available when contacting support.

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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

