

Porayhut Double Room Domed Greenhouse (DB-1)

# Porayhut Portable Greenhouse Tent - Double Room Domed Greenhouse Instruction Manual

Brand: Porayhut | Model: Double Room Domed Greenhouse (DB-1)

Contents

Assembly

Introduction

Operation

Maintenance

Troubleshooting

Support

Safety Warnings

Features

Package

Specifications

Warranty &

## 1. INTRODUCTION

This manual provides detailed instructions for the assembly, operation, and maintenance of your Porayhut Portable Greenhouse Tent, Double Room Domed model. Designed to protect plants from various environmental factors, this greenhouse offers a controlled environment for gardening and plant research.



Figure 1: Porayhut Portable Greenhouse Tent, Double Room Domed.

## 2. SAFETY WARNINGS

- **Sharp Edges:** The steel frame components may have sharp edges. Exercise caution during handling and assembly to prevent injury.
- **Anchoring:** This greenhouse is portable and must be properly anchored to the ground during use. Failure to do so may result in the greenhouse being blown over in strong winds, causing damage or injury.
- **Ventilation:** Ensure adequate ventilation to prevent overheating inside the greenhouse, especially on sunny days. High temperatures can harm plants.
- **Assembly and Maintenance:** Always follow the manufacturer's instructions for assembly, use, and maintenance to ensure safe and effective operation.

## 3. PRODUCT FEATURES

- **Effective Plant Protection:** Designed to shield outdoor plants from frost, wind, birds, insects, and other animals. Suitable for cultivation and research requiring temperature and humidity control.
- **Optimal Size:** Dimensions of 180cm L x 90cm W x 90cm H (71" L x 35.4" W x 35.4" H), weighing approximately 5.02 kg (11.07 pounds). Folds down to a compact travel size of 36.2" L x 5.51" W x 11.42" H.
- **User-Friendly Design:** Features double zippers for smoother opening and closing. The frame and outer cover are separable, with plastic connectors for easy assembly, disassembly, and convenient storage. B3 mesh on both sides of the top arc provides effective ventilation. Transparent PVC allows direct observation of plant growth.
- **Durable Materials:** Constructed with thickened 600D cloth and PVC for enhanced thermal insulation and durability. The frame consists of 16mm diameter thick steel tubes. Large wooden buttons secure rolled-up door curtains. Includes 6 7-shaped ground tiles (15cm length) for increased stability and wind resistance.

# Professional Cover Protection



Figure 2: Humanized design with double zippers and B3 mesh for ventilation.

# Heavy Duty steel frame and cover

- ✓ Rust free & Weather Resistant
- ✓ UV50+ Treated for Sunlight protection
- ✓ Each side have two large open total 4 doors and each end window
- ✓ Easy set-up maintenance free

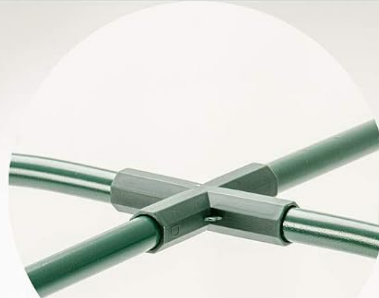


Figure 3: Durable 600D cloth, PVC cover, and 16mm steel tube frame.

## 4. PACKAGE CONTENTS

Before assembly, ensure all components are present and undamaged. Refer to the assembly diagram for part identification.

- Steel Frame Poles (various lengths and shapes)
- Plastic Connectors
- PVC Cover with 600D cloth base
- Ground Tiles (7-shaped, 15cm)
- Wooden Buttons (for rolling up doors)

[illegible]

Technische Zeichnung: Drahtgitterbauwerk  
 Material: Stahlblech, verzinkt  
 Ausführung: nach Zeichnung  
 Maßstab: 1:10  
 Blatt: 1 von 1  
 Datum: 10.10.2010  
 Gezeichnet: M. Müller  
 Geprüft: M. Müller  
 Freigegeben: M. Müller  
 Auftraggeber: M. Müller

## 5. ASSEMBLY INSTRUCTIONS

1. **Step 1: Assemble the Base Frame.** Connect the straight poles using the corner connectors to form the rectangular base.
2. **Step 2: Attach Vertical Supports.** Insert the vertical poles into the designated connectors on the base frame.
3. **Step 3: Form the Arches.** Connect the curved poles to the vertical supports to create the arched structure of the greenhouse. Ensure all connections are secure.
4. **Step 4: Install Crossbars.** Attach the horizontal crossbars to connect the arches, providing stability to the structure.
5. **Step 5: Place the Cover.** Carefully drape the PVC cover over the assembled frame. Align the cover so that the zippered openings are positioned correctly.

6. **Step 6: Secure the Cover.** Pull the cover down over the frame, ensuring a snug fit. Use the provided ground tiles to anchor the base of the cover to the ground, especially in windy conditions.



*Figure 5: Detailed assembly diagram showing each step of construction.*

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*Video 1: Official Porayhut "Tunnel greenhouse install" video demonstrating the assembly process.*

## 6. OPERATING INSTRUCTIONS

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To maximize the effectiveness of your greenhouse, consider the following operational guidelines:

- **Temperature Control:** Monitor the internal temperature regularly. On warm, sunny days, open the zippered doors and mesh windows to provide ventilation and prevent overheating. Close them during colder periods or at night to retain heat.
- **Humidity Management:** Adequate ventilation also helps manage humidity levels, reducing the risk of fungal diseases.
- **Watering:** Water plants as needed. The greenhouse environment may reduce evaporation, so adjust your watering schedule accordingly.
- **Anchoring:** Always ensure the greenhouse is securely anchored, especially in areas prone to strong winds. Additional weights or stakes may be used for extra stability.

# Tunnel Greenhouse

It can be used in garden, yard, soil



Figure 6: The greenhouse providing a protected environment for plants.

## 7. MAINTENANCE

Regular maintenance will extend the lifespan of your Porayhut Portable Greenhouse Tent:

- **Cleaning the Cover:** Periodically clean the PVC cover with a soft cloth and mild soapy water to remove dirt and maintain light transmission. Avoid abrasive cleaners.
- **Inspect Frame:** Regularly check the steel frame for any signs of rust, bending, or loose connections. Tighten connections as necessary.
- **Zipper Care:** Keep zippers clean and lubricated with a silicone-based spray to ensure smooth operation and prevent sticking.
- **Storage:** When not in use for extended periods, disassemble the greenhouse and store it in a cool, dry place away from direct sunlight to prevent material degradation.

## 8. TROUBLESHOOTING

| Problem                                   | Possible Cause                          | Solution                                                                                                                      |
|-------------------------------------------|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Greenhouse unstable or blows over easily. | Insufficient anchoring; strong winds.   | Ensure all ground tiles are securely installed. Use additional stakes or weights if necessary, especially in high-wind areas. |
| High temperature inside the greenhouse.   | Lack of ventilation on sunny days.      | Open zippered doors and mesh windows to allow airflow. Consider partial shading if temperatures remain too high.              |
| Zippers are stiff or stuck.               | Dirt accumulation; lack of lubrication. | Clean zippers with a brush and apply a silicone-based lubricant. Avoid forcing stuck zippers.                                 |
| Water pooling on the cover.               | Improper cover placement or sagging.    | Adjust the cover to ensure it is taut and properly aligned with the frame, allowing water to run off.                         |

## 9. SPECIFICATIONS

| Attribute                      | Detail                                    |
|--------------------------------|-------------------------------------------|
| Brand                          | Porayhut                                  |
| Model Number                   | DB-1                                      |
| Product Dimensions (L x W x H) | 71" x 35.4" x 35.4" (180cm x 90cm x 90cm) |
| Cover Material                 | Polyvinyl Chloride (PVC) with 600D cloth  |
| Frame Material                 | Alloy Steel (16mm diameter)               |
| Color                          | Dome tunnel (Dark Green base)             |
| Number of Doors                | 1 (Roll-Up Door)                          |
| Closure Type                   | Zipper                                    |
| GTIN / UPC                     | 611553681754                              |

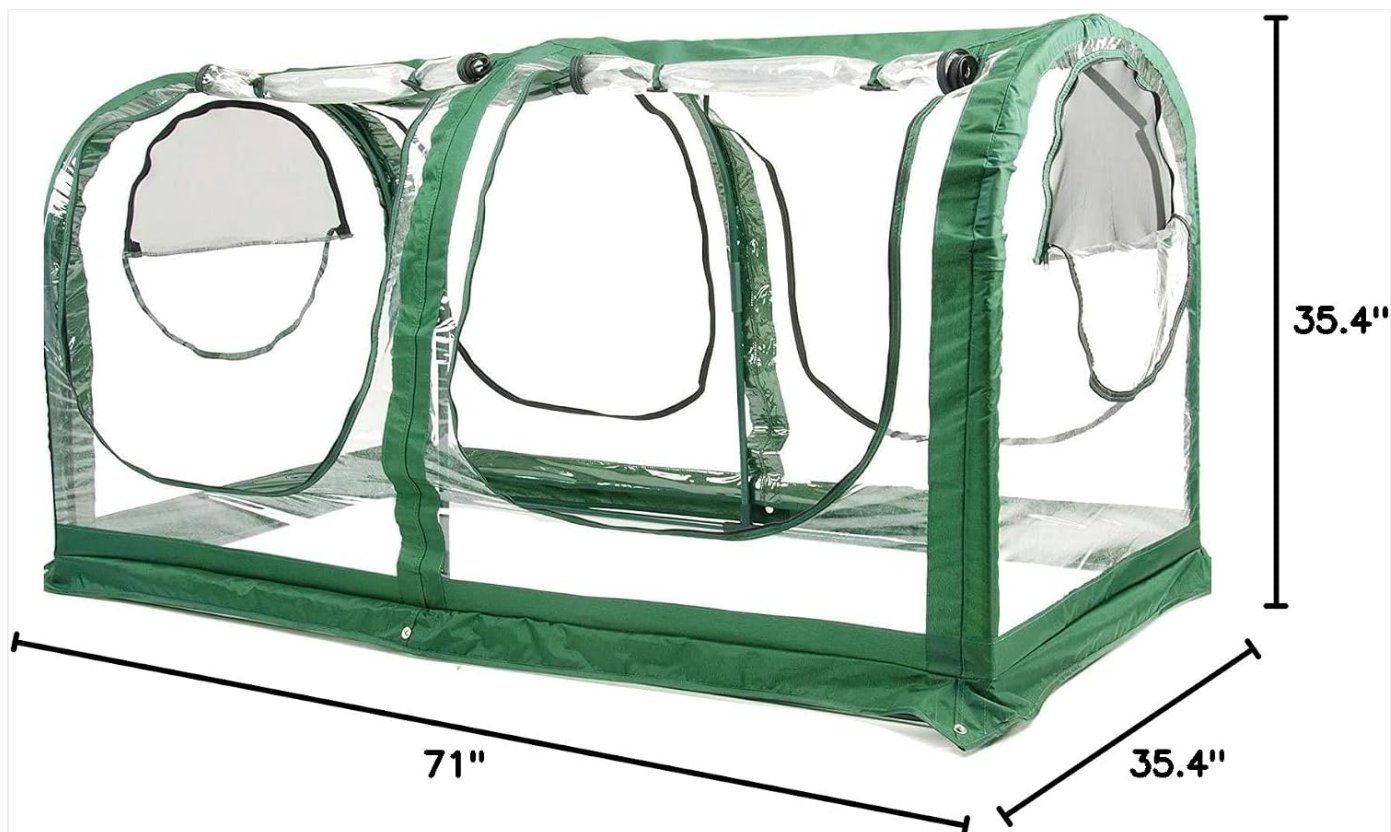


Figure 7: Product dimensions for the Double Room Domed Greenhouse.

## 10. WARRANTY AND SUPPORT

For warranty information or technical support, please contact Porayhut customer service. Refer to your purchase documentation for specific warranty terms and contact details.

If you have any questions or require assistance, please feel free to contact us. We are committed to providing quality products and service.