

Amenitlif 12x24 FT Metal Carport

Amenitlif 12x24 FT Metal Carport Instruction Manual

Heavy Duty Galvanized Steel Roof Car Canopy with Reinforced Base

1. INTRODUCTION

This manual provides essential instructions for the safe assembly, operation, and maintenance of your Amenitlif 12x24 FT Metal Carport. Please read all instructions carefully before beginning assembly or use to ensure proper installation and to maximize the lifespan of your product. This carport is designed to provide reliable all-weather shelter for vehicles such as cars, trucks, vans, boats, and tractors, as well as for general outdoor storage.

2. SAFETY INFORMATION

Adhering to these safety guidelines is crucial for preventing injury and damage to the carport.

- **Read Instructions:** Fully understand all assembly steps and safety warnings before starting.
- **Wear Protective Gear:** Always wear appropriate safety glasses, gloves, and sturdy footwear during assembly.
- **Site Selection:** Choose a level, stable surface for installation. Avoid areas with overhead power lines or underground utilities.
- **Two-Person Assembly:** Assembly typically requires at least two adults for safety and ease of installation.
- **Secure Anchoring:** Ensure the carport is securely anchored to the ground using the provided hardware to withstand wind and weather conditions.
- **Inspect Regularly:** Periodically check all connections, bolts, and anchors for tightness and signs of wear or damage.
- **Snow Removal:** In areas with heavy snowfall, regularly remove accumulated snow from the roof to prevent structural overload.
- **Avoid Climbing:** Do not climb on the carport structure.
- **Children and Pets:** Keep children and pets away from the assembly area.

3. PARTS LIST

Before beginning assembly, ensure all components are present and undamaged. Refer to the packing list included with your product for a detailed inventory. General components include:

- Powder-coated steel frame components (tubes, rods, connectors)
- Galvanized steel roof panels
- Reinforcing rods and heavy-duty anchoring kits
- Fasteners (bolts, nuts, washers, screws)
- Waterproof sealing tape and soft-edged rubber strips
- Assembly tools (wrenches, hex keys, etc., if included)



Figure 1: Carport Dimensions Overview. This image illustrates the overall dimensions of the 12x24 FT carport, including its length (291 inches), width (145.7 inches), and height (85 inches at the sides, 102.4 inches at the peak). It also indicates the inclusion of two pairs of gloves and four cartons for shipping.

4. ASSEMBLY INSTRUCTIONS

Follow these steps carefully for proper assembly. It is recommended to have at least two people for this process.

4.1 Site Preparation

1. Select a flat, level area for installation. The carport can be installed on concrete, grass, or gravel.
2. Clear the area of any debris, rocks, or obstructions.
3. Ensure adequate clearance around the carport for assembly and future use.

4.2 Frame Assembly

1. Unpack all frame components and lay them out according to the parts diagram in your specific product manual.
2. Begin by assembling the base frame sections. Connect the horizontal base rails using the appropriate connectors and fasteners.
3. Attach the vertical support posts to the assembled base frame. Ensure all connections are finger-tight at this stage.
4. Assemble the roof arch sections by connecting the curved frame pieces.
5. Carefully lift and attach the roof arch sections to the vertical support posts. Secure with fasteners.
6. Install the reinforcing rods and brackets for the base design. These rods enhance stability and wind resistance.
7. Once the entire frame is assembled, tighten all bolts and fasteners securely.

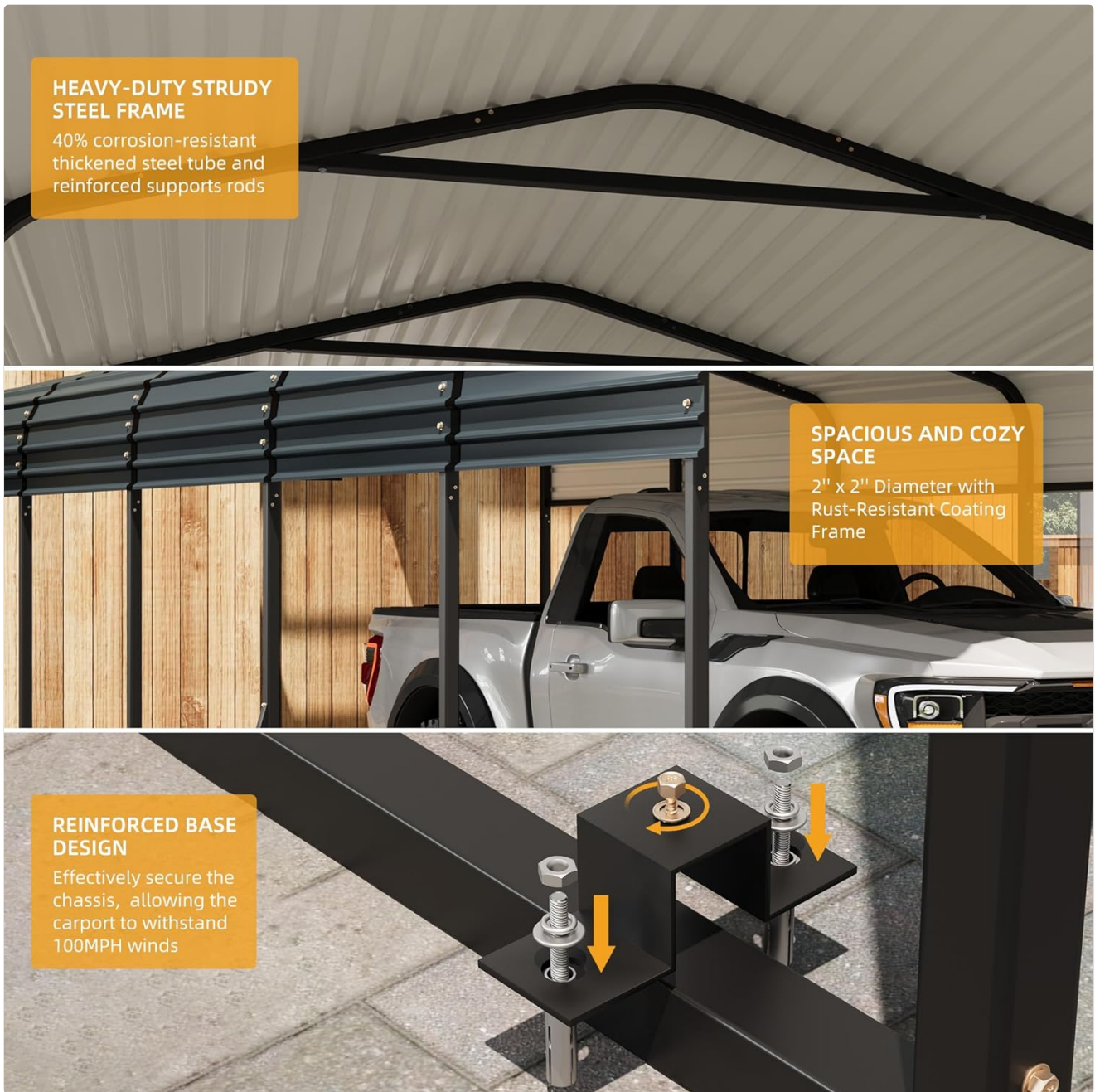


Figure 2: Frame and Base Details. This image highlights the heavy-duty, corrosion-resistant thickened steel tube frame and the reinforced base design. The base features secure anchoring points with bolts, designed to effectively secure the chassis and allow the carport to withstand winds up to 100 MPH.

4.3 Roof Panel Installation

1. Carefully place the galvanized steel roof panels onto the assembled roof frame.
2. Ensure proper overlap between panels to prevent leaks.
3. Apply the provided waterproof sealing tape along all roof seams to create a watertight seal.
4. Secure the roof panels to the frame using the designated fasteners.
5. Install the soft-edged rubber strips along the roof edges for added safety and protection.

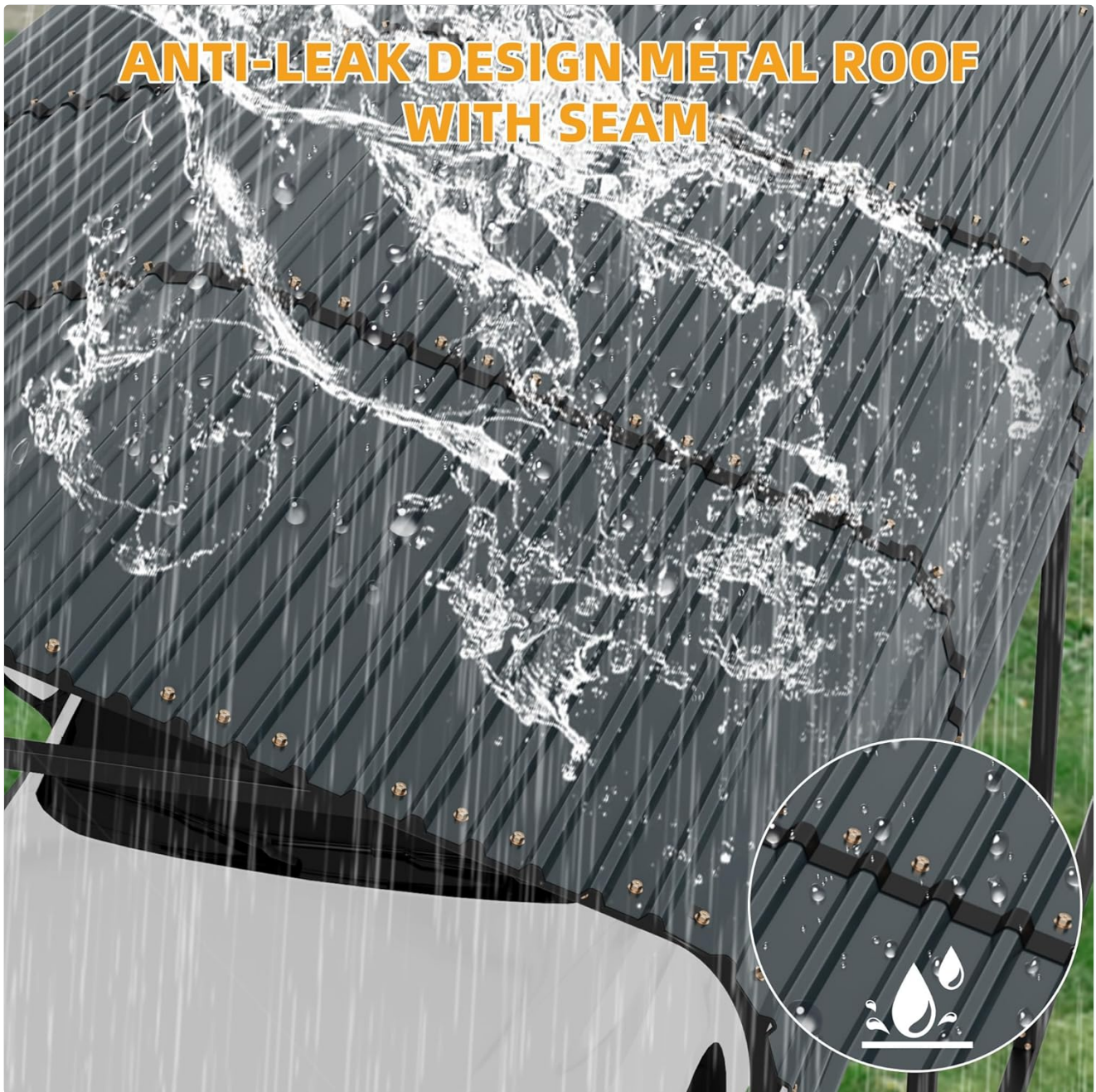


Figure 3: Anti-Leak Roof Design. This image shows the galvanized steel roof panels with their anti-leak design, featuring seams that are sealed to prevent water penetration. The sloped design facilitates efficient water runoff, as depicted by the water droplets.

SLOPED ROOF WITH HIGH-DENSITY WEATHERSTRIP TAPE



Figure 4: Sloped Roof with Weatherstrip. This image demonstrates the sloped roof design, which, combined with high-density weatherstrip tape, ensures effective water drainage and protection against rain, keeping the interior dry.

4.4 Final Anchoring

1. Once the carport is fully assembled, use the heavy-duty anchoring kits to firmly secure the base to the ground.
2. Follow the specific instructions for your anchoring hardware based on your ground type (concrete, grass, or gravel).
3. Double-check all connections and anchors to ensure maximum stability.

5. USAGE GUIDELINES

Your Amenitlif carport is designed for versatile use and provides robust protection.

- **Vehicle Protection:** Use the carport to shelter cars, trucks, vans, boats, or tractors from sun, rain, snow, and other elements. The 102.4-inch entrance height accommodates large vehicles.
- **Outdoor Storage:** The spacious interior can also serve as a secure area for outdoor equipment, tools, or materials.

- **Weather Resistance:** The galvanized steel roof offers superior rust and leak protection, while the UPF 50 rating provides excellent UV protection, keeping vehicles cooler in summer. The structure is built to withstand harsh conditions, including winds up to 100 MPH and significant snow loads (up to 35 PSF).



Figure 5: UV and Snow Protection. This image illustrates the carport's ability to protect a vehicle from high temperatures in summer due to its UV-resistant galvanized roof. It also highlights its sturdy canopy, capable of withstanding up to ten inches of snow.

ALL-WEATHER DURABILITY

Built to thrive in harsh conditions offering reliable shelter year-round.



Figure 6: All-Weather Durability. This image depicts the carport in a snowy environment, emphasizing its construction for all-weather durability and its capability to provide reliable shelter year-round, thriving in harsh conditions.



Figure 7: Carport in Use (Truck). A visual representation of the carport providing shelter for a pickup truck on a clear, sunny day, demonstrating its practical application for vehicle protection.

GALVANIZED STEEL AND WEATHER-ABILITY ROOF

Fast to Setup & Easy to Use



Figure 8: Carport in Use (Boat). This image shows the carport providing shelter for a boat in an outdoor setting, highlighting its versatility for protecting various types of vehicles and equipment.

6. MAINTENANCE

Regular maintenance will help prolong the life and appearance of your carport.

- **Cleaning:** Periodically clean the roof panels and frame with mild soap and water. Avoid abrasive cleaners or harsh chemicals that could damage the finish.
- **Fastener Check:** Annually, or after severe weather, inspect all bolts, nuts, and connections to ensure they remain tight. Re-tighten as necessary.
- **Rust Inspection:** Check the steel frame and roof panels for any signs of rust. Address minor rust spots promptly with rust-inhibiting paint to prevent further corrosion.
- **Snow Load:** In regions with heavy snowfall, regularly clear snow from the roof to prevent excessive weight accumulation, which could compromise the structure's integrity.
- **Drainage:** Ensure the sloped roof design allows for proper water runoff and that gutters (if installed) are clear of debris.

7. TROUBLESHOOTING

Here are solutions to common issues you might encounter:

- **Carpport feels unstable:**
 - Ensure all frame connections are securely tightened.
 - Verify that the anchoring kits are properly installed and firmly secured to the ground.
 - Check if the ground surface is level. Re-level if necessary.
- **Water leakage from the roof:**
 - Inspect roof panel overlaps to ensure they are correctly aligned.
 - Check the waterproof sealing tape along all seams for any gaps or damage. Reapply or replace tape as needed.
 - Ensure all roof panel fasteners are tight.
- **Rust appearing on frame or panels:**
 - Clean the affected area thoroughly to remove rust.
 - Apply a rust-inhibiting primer and paint to protect the metal.
 - Regularly inspect and maintain the powder-coated finish to prevent rust.

8. SPECIFICATIONS

Feature	Detail
Brand	Amenitlif
Product Dimensions (L x W x H)	289.76" x 145.67" x 102.36" (12'W x 24'D x 8.5'H)
Item Weight	401.02 Pounds
Frame Material	Powder-Coated Metal Steel
Roof Material	Galvanized Steel
Water Resistance Level	Waterproof
Ultraviolet Light Protection	UPF 50
Wind Resistance	Up to 100 MPH
Snow Load Capacity	35 PSF (Pounds per Square Foot)
Assembly Required	Yes
Color	Gray
Manufacturer	Amenitlif
UPC	199914013678

9. WARRANTY AND SUPPORT

For warranty information, replacement parts, or technical assistance, please contact Amenitlif customer support.

Refer to your purchase documentation for specific warranty terms and contact details. Always provide your product model number and purchase date when seeking support.