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Quictent MCPT1160

Quictent 20x20 FT Heavy Duty 2-Car Metal Carport Instruction Manual

Model: MCPT1160

1. Introduction

This manual provides detailed instructions for the assembly, operation, maintenance, and troubleshooting of your Quictent 20x20 FT Heavy Duty 2-Car Metal Carport. Please read this manual thoroughly before beginning assembly or use to ensure safe and correct installation and to maximize the lifespan of your product.

The Quictent 20x20 FT Metal Carport is designed to provide robust, all-weather protection for vehicles, farm equipment, boats, RVs, and other outdoor supplies. Its unique front and rear sloped galvanized steel roof ensures efficient water and snow drainage, while the heavy-duty reinforced frame offers stability in various weather conditions.



Image 1.1: Overview of the Quictent 20x20 FT Heavy Duty 2-Car Metal Carport.

2. Safety Information

WARNING: Failure to follow these safety instructions may result in serious injury or property damage.

- **Assembly Safety:** Always wear protective gloves (two pairs included) during assembly to prevent cuts from metal edges. Ensure all bolts and connections are securely fastened.
- **Site Selection:** Choose a level, stable surface for installation. Avoid areas prone to flooding or excessive wind exposure without proper anchoring.
- **Anchoring:** The carport must be properly anchored to the ground using the provided expansion base bolts to prevent movement or collapse, especially in windy conditions.

- **Weather Conditions:** While designed for heavy snow and wind, extreme weather conditions may require additional precautions. Monitor local weather forecasts.
- **Overhead Clearance:** Be aware of the carport's height when parking tall vehicles or equipment. The 9FT side height and 10.5FT peak height are designed for ample clearance.
- **Structural Integrity:** Do not hang heavy objects from the frame or roof. Do not modify the structure without consulting the manufacturer.
- **Children and Pets:** Keep children and pets away from the assembly area.

3. Components and Parts List

Your Quictent carport ships in 7 boxes. Components may arrive at different times. Verify all parts are present before beginning assembly. Refer to the detailed parts list included in your packaging for specific quantities and identification.

Key Structural Components:

- **Frame Material:** Hot-Dip Galvanized Steel
- **Roof Panels:** 3-Layer Galvanized Corrugated Metal
- **Roof Beams:** 10 Central Roof Beams
- **Diagonal Braces:** 8 Roof Diagonal Braces
- **Upright Posts:** 12 Upright Posts
- **Support Braces:** 4 Support Braces (for wind resistance)
- **Base Support Rods:** Extra Base Support Rods
- **Anchoring:** 12 Expansion Base Bolts
- **Fasteners:** Various bolts, nuts, washers, and sealed washers for roof panels.

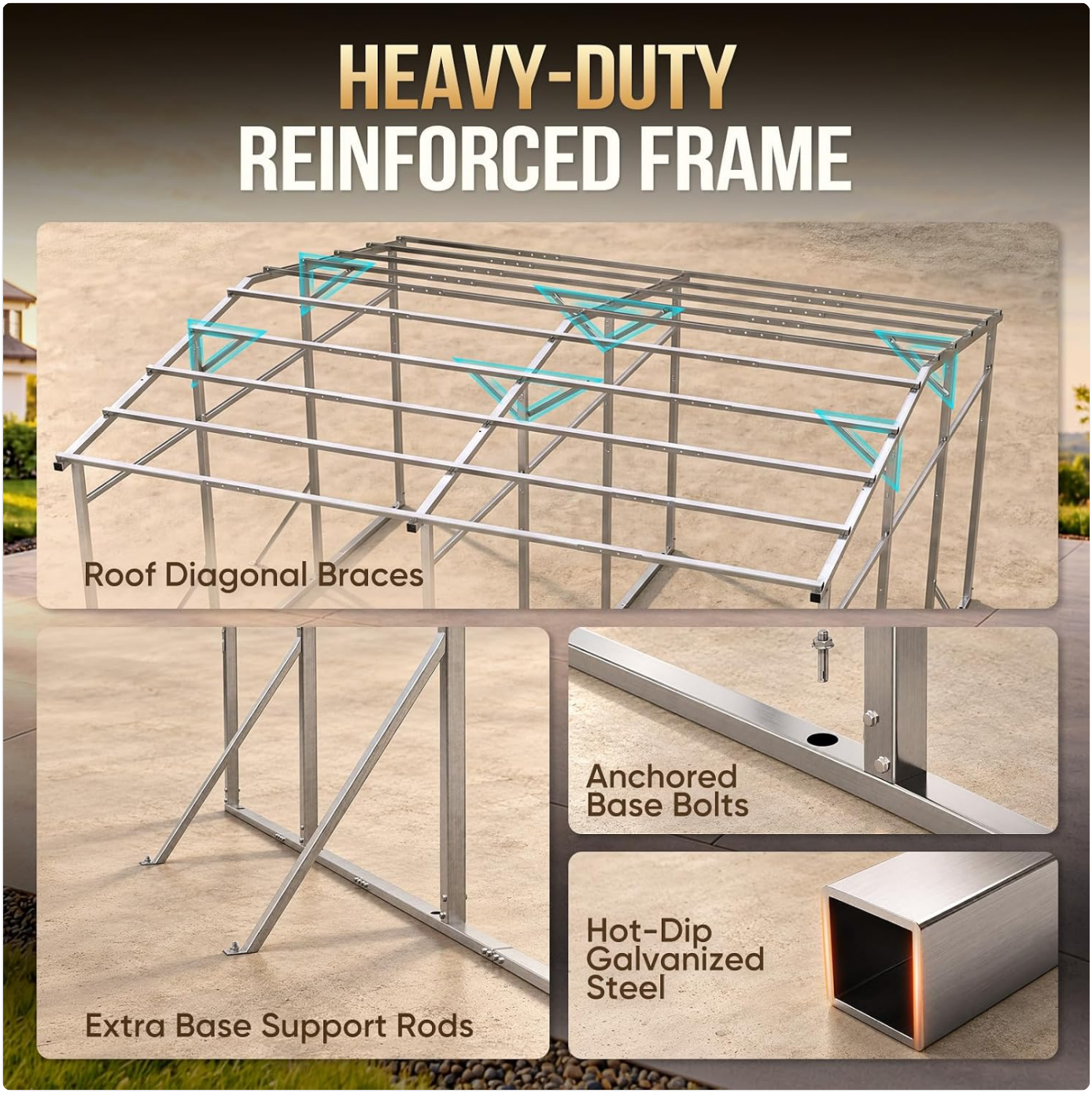


Image 3.1: Illustration of the heavy-duty reinforced frame components, including roof diagonal braces, anchored base bolts, extra base support rods, and hot-dip galvanized steel.

4. Setup and Assembly

Assembly requires at least two people. Follow the step-by-step manual provided in your packaging. The pre-drilled panels and posts facilitate a faster setup.

4.1 Site Preparation

- Clear the chosen area of any debris, rocks, or obstructions.
- Ensure the ground is level and firm.

- Mark the footprint of the carport (20'L x 20'W) to visualize the installation area.

4.2 Frame Assembly

1. Unpack all components and lay them out according to the parts list.
2. Assemble the base frame using the main horizontal and vertical posts. Secure connections with appropriate bolts.
3. Attach the upright posts to the base frame.
4. Install the central roof beams and diagonal braces to form the roof structure. Ensure all connections are tight.
5. Attach the 4 support braces for enhanced wind resistance.

4.3 Roof Panel Installation

1. Carefully lift and position the 3-layer galvanized corrugated metal roof panels onto the assembled roof frame.
2. Align the panels, ensuring the sloped design is correctly oriented for water drainage.
3. Secure the roof panels to the frame using the provided fasteners and sealed washers. The sealed washers are crucial for preventing leaks.

4.4 Anchoring

1. Once the frame and roof are complete, use the 12 expansion base bolts to securely anchor the carport to the ground.
2. Ensure the anchors are driven deep enough to provide maximum stability.



Image 4.1: Illustration of the carport's wind-resistant design, featuring upright posts and support braces.

5. Operating Instructions

Your Quictent carport is designed for versatile use as an outdoor shelter.

- **Vehicle Parking:** The 20x20 FT dimensions and 9FT side height accommodate two full-size vehicles, SUVs, mini RVs, or tractors. Park vehicles centrally to maximize protection.
- **Equipment Storage:** Utilize the covered space for farm machinery, ATVs, boats, or other outdoor equipment.
- **Outdoor Workspace:** The carport can serve as a covered workshop, providing shade and protection from elements.
- **Event Shelter:** The spacious design is suitable for outdoor gatherings, backyard BBQs, or camping setups, offering shade and shelter.



Image 5.1: Examples of multi-purpose use for the heavy-duty metal carport, including cargo, family vehicles, farm equipment, and boats/RVs.



Image 5.2: Illustration of the 9 FT tall side clearance, providing ample headroom for various vehicles.

6. Maintenance

Regular maintenance will ensure the longevity and performance of your carport.

- **Regular Inspection:** Periodically check all bolts and connections for tightness. Re-tighten as necessary.
- **Roof Cleaning:** Keep the roof panels free of excessive debris (leaves, branches) to maintain efficient water and snow drainage.
- **Snow Removal:** While the sloped roof aids in snow shedding, in areas with very heavy snowfall, manually remove accumulated snow to prevent excessive load on the structure. The carport supports up to 8 inches of snow depth or 14.3 lbs/sq.ft.

- **Rust Prevention:** The 3-layer galvanized steel roof and hot-dip galvanized frame are designed for anti-rust durability. However, inspect for any signs of rust, especially in areas where the coating might be scratched, and apply rust-inhibiting paint if needed.
- **Anchoring Check:** Ensure the ground anchors remain secure, especially after strong winds or heavy rain.



Image 6.1: Detail of the steep slope design with vertical grooves and sealed washers for efficient water drainage.

7. Troubleshooting

Here are solutions to common issues you might encounter:

Problem	Possible Cause	Solution
Carport feels unstable or sways.	Loose bolts or inadequate anchoring.	Check and tighten all frame bolts. Ensure all 12 expansion base bolts are securely installed and anchored into a firm surface.
Water leakage from the roof.	Improperly installed or damaged sealed washers; loose roof panel fasteners.	Inspect all roof panel fasteners and sealed washers. Replace any damaged washers and tighten fasteners. Ensure panels overlap correctly.
Difficulty assembling frame components.	Misalignment of pre-drilled holes; incorrect part identification.	Refer to the detailed assembly manual and diagrams. Ensure parts are correctly identified before attempting to connect. Do not force components.
Snow accumulation on the roof.	Heavy snowfall exceeding drainage capacity.	Manually remove excess snow from the roof using a soft brush or broom to prevent structural strain.

8. Specifications

Feature	Detail
Model Number	MCPT1160
Brand	Quictent
Product Dimensions (L x W)	20 FT x 20 FT (Overall: 126.38"L x 241.54"W x 245.67"H)
Side Height	9 FT
Peak Height	10.5 FT
Floor Area	400 square feet
Frame Material	Hot-Dip Galvanized Steel
Roof Material	3-Layer Galvanized Corrugated Metal
Color	Off-white
Item Weight	661.4 pounds
Snow Load Capacity	Up to 8 inches / 14.3 lbs/sq.ft
Wind Resistance	Up to 90 MPH
UV Protection	Yes

Feature	Detail
Water Resistance Level	Water Resistant

9. Warranty and Support

Quictent stands behind the quality of its products.

9.1 Warranty Information

This Quictent carport comes with a **10-Year Quality Assurance**, specifically covering the anti-rust durability of the 3-layer galvanized steel roof panels. Please retain your proof of purchase for warranty claims.

9.2 Customer Support

For any questions regarding assembly, missing parts, or product issues, please contact Quictent customer support. Our team provides 24/7 fast support and quick responses to assist you.

You can typically find contact information on the packaging or through the retailer where you purchased the product. For Amazon purchases, you can contact the seller 'Brandline' directly through your order details page.

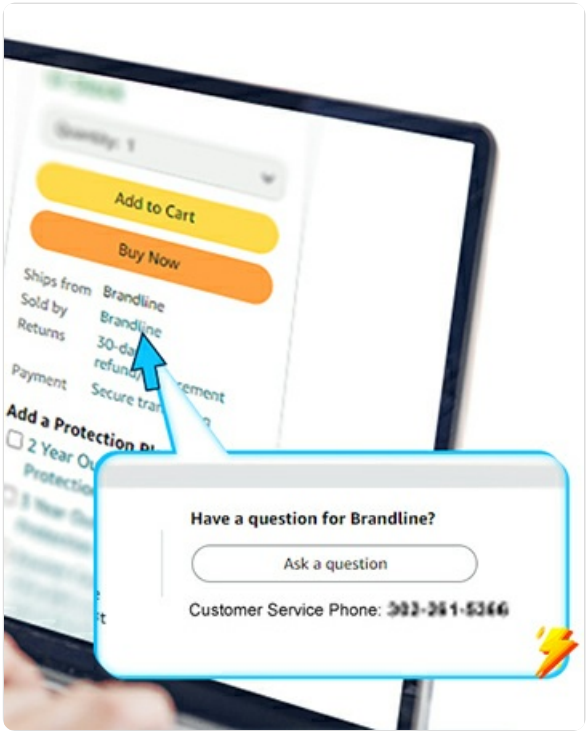


Image 9.1: Quictent customer support representatives available to assist with inquiries.

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