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> AirWire 12x20 FT Metal Carport User Manual

AirWire MCY

AirWire 12x20 FT Metal Carport User Manual

Model: MCY
Brand: AirWire

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1. PRODUCT OVERVIEW

The AirWire 12x20 FT Metal Carport is designed to provide robust and versatile outdoor shelter. Constructed with high-quality square steel tubing and reinforced at 11 key locations, it offers superior structural integrity and resilience against diverse weather conditions. This carport serves as a protective cover for vehicles, boats, and various equipment, and can also be utilized as an outdoor activity space or secure storage area.



Image: The AirWire 12x20 FT Metal Carport providing shelter for a white pickup truck on a paved driveway.

2. SAFETY INFORMATION

Please read and understand all safety instructions before assembly and use. Failure to follow these instructions may result in injury or damage to the product.

- **Heavy Weight:** Components of this carport are heavy. Exercise caution during handling, assembly, and disassembly to prevent injury. It is recommended to have at least three people for assembly.
- **Level Surface:** Always install the carport on a stable and level surface to ensure structural integrity and prevent collapse.
- **Weather Conditions:** While designed for resilience, avoid assembly or disassembly during strong winds, heavy rain, or snow. Ensure the structure is clear of excessive snow accumulation to prevent roof damage.
- **Sharp Edges:** Be aware of potential sharp edges on metal components. Wear appropriate protective gear, such as gloves, during assembly.
- **Secure Anchoring:** Proper anchoring of the carport to the ground is critical for stability, especially in windy conditions. Utilize the provided ground pegs and consider additional earth anchors for enhanced

security.

- **Waterproof Sealing:** The roof panels require proper sealing to ensure water resistance. Apply waterproof sealing tape along the roof seams as instructed.
- **Electrical Safety:** Do not install the carport near overhead power lines or electrical equipment.

3. COMPONENTS LIST

Before beginning assembly, verify that all components are present and undamaged. Each part is typically labeled for easy identification.

Component	Description	Quantity (Approx.)
Square Steel Tubing	Main frame components, thickened for durability.	Varies by section
Heavy-Duty Ground Pegs	For securing the base to the ground.	18
Reinforced Side Bars	Additional structural support for side stability.	6
Reinforced Crossbars	Roof support beams.	5
Metal Roof Panels	Corrugated metal sheets for the roof.	Varies
Self-Tapping Screws	Fasteners for connecting components and roof panels.	Varies
Waterproof Sealing Tape	For sealing roof panel seams.	1 roll
Rubber Edge Protectors	To minimize injury risk on edges.	Varies
Base Covers	Aesthetic and protective covers for the base.	Varies



Thickened Steel Tubes



18 Heavy-Duty Ground Pegs



6 Reinforced Side Bars



5 Reinforced Crossbars

Image: Key structural components of the AirWire carport, highlighting thickened steel tubes, ground pegs, side bars, and crossbars.



Image: A close-up showing the thickened square steel tubes, emphasizing the robust material used for the carport's frame.

4. SETUP AND ASSEMBLY INSTRUCTIONS

Assembly of the AirWire carport requires careful attention to detail and the assistance of at least three individuals due to the size and weight of the components. Ensure you have a level surface for installation.

1. **Prepare the Site:** Select a flat, level area for installation. Clear any debris or obstacles.
2. **Unpack and Organize:** Unpack all boxes and lay out components. Verify all parts are present using the components list. Each part is typically labeled with a corresponding letter for easy identification.
3. **Assemble the Frame:** Follow the included diagrams to connect the square steel tubing sections to form the main frame. Ensure all connections are secure.
4. **Install Side Bars and Crossbars:** Attach the reinforced side bars and crossbars to the main frame, providing additional stability and roof support.
5. **Attach Roof Panels:** Carefully place and secure the metal roof panels. When using self-tapping screws, use a regular drill instead of an impact driver to prevent stripping the screws. The plastic film on each metal roof panel should be removed prior to installation.
6. **Seal Roof Seams:** Apply the waterproof sealing tape along all roof panel seams to prevent leaks. For enhanced waterproofing, consider using a high-quality butyl tape.
7. **Secure the Base:** Utilize the heavy-duty ground pegs to anchor the carport's base to the ground. For maximum stability, especially in areas prone to high winds, consider installing additional earth anchors (not included).
8. **Install Base Covers and Rubber Edges:** Attach the elegantly crafted base covers and the gentle, durable rubber edge protectors to minimize injury risk and enhance aesthetic appeal.

Easy Assembly

Please Note That The Carport Must Be Installed On A Level Surface



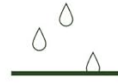
UV-resistant



Stable



Rust Resistant



Water Resistant



Image: Visual guide illustrating the straightforward assembly process of the carport, emphasizing the need for a level surface.

Product Dimensions



2 Pairs
Gloves



4 Cartons

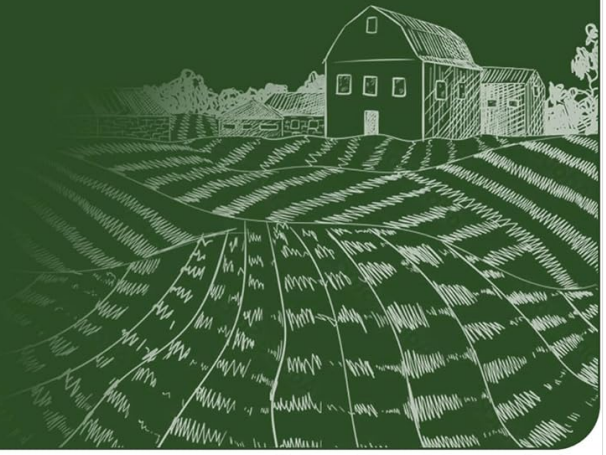


Image: Detailed product dimensions, including overall length, width, and height, along with package contents (gloves and cartons).

5. OPERATION AND USAGE

The AirWire Metal Carport is designed for multipurpose protection and can be used to shelter a variety of items:

- **Vehicle Shelter:** Ideal for protecting cars, pickup trucks, and boats from sun, rain, snow, and other elements.
- **Equipment Storage:** Provides secure and covered storage for tractors, lawnmowers, ATVs, and other outdoor equipment.
- **Outdoor Activity Space:** Can be used as a shaded area for outdoor gatherings, workshops, or temporary event space.

Its UV-resistant and waterproof design ensures reliable coverage in all seasons.



Image: The carport providing shelter for a tractor, demonstrating its utility for large equipment.

6. MAINTENANCE

Regular maintenance will extend the lifespan and ensure the continued performance of your AirWire carport.

- **Regular Inspection:** Periodically inspect all bolts, screws, and connections to ensure they remain tight and secure. Tighten any loose fasteners.
- **Roof Panel Check:** Examine roof panels for any signs of damage, corrosion, or loose connections. Ensure all seams remain properly sealed. Reapply or replace sealing tape if necessary, especially if leaks are observed.
- **Cleaning:** Clean the roof and frame periodically to remove dirt, leaves, and other debris. Use a mild soap solution and water. Avoid abrasive cleaners or tools that could scratch the finish.
- **Snow Removal:** In areas with heavy snowfall, regularly remove accumulated snow from the roof to prevent excessive load and potential structural damage.
- **Base Stability:** Check the ground pegs and any additional anchors regularly to ensure they are firmly in place and the carport remains stable.



All-Weather Durability

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



Image: The carport standing strong under a layer of snow, highlighting its all-weather durability.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Carport feels wobbly or unstable.	Not installed on a perfectly level surface; loose connections; insufficient anchoring.	Ensure the ground is level. Tighten all bolts and screws. Verify ground pegs are fully inserted and consider adding earth anchors for increased stability.
Roof leaks at seams.	Inadequate sealing of roof panel seams; damaged sealing tape.	Reapply or reinforce waterproof sealing tape along all roof panel seams. For best results, use a high-quality butyl tape designed for outdoor sealing. Ensure screws are properly tightened and sealed.

Problem	Possible Cause	Solution
Screws are stripping during assembly.	Using an impact driver; excessive force.	Use a regular drill with appropriate torque settings. Apply steady, even pressure.
Some holes do not align during assembly.	Slight variations in manufacturing; uneven ground.	Slightly adjust the frame components to align holes. The self-tapping screws can often accommodate minor misalignments. Ensure the base is as level as possible.

8. PRODUCT SPECIFICATIONS

Brand: AirWire

Model Number: MCY

Material: Alloy Steel

Color: Black

Product Dimensions (L x W x H): 234.6" x 140.5" x 101.5"

Ultraviolet Light Protection: Yes

Frame Material: Alloy Steel

Water Resistance Level: Waterproof

Pole Material Type: Alloy Steel, Metal

Floor Area: 230.89 Square Feet

Assembly Required: Yes

Manufacturer: Airwire

9. CUSTOMER SUPPORT AND WARRANTY

AIRWIRE is committed to providing a smooth and satisfying ownership experience. Our team of engineering and customer service experts is available to assist with any inquiries or issues you may encounter.

For support, please refer to the contact information provided with your purchase documentation or visit the official AirWire website.

Warranty Information: Please refer to the warranty card included with your product for specific terms and conditions regarding coverage and duration.