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› AirWire 12' x 20' Heavy Duty Portable Carport Instruction Manual

AirWire ACP2012BQ

AirWire 12' x 20' Heavy Duty Portable Carport Instruction Manual

Brand: AirWire

Model: ACP2012BQ

1. INTRODUCTION

Thank you for choosing the AirWire 12' x 20' Heavy Duty Portable Carport. This manual provides essential information for the safe and efficient assembly, operation, and maintenance of your new carport. Please read all instructions carefully before beginning assembly and retain this manual for future reference.

This carport is designed to provide robust protection for vehicles, boats, or serve as a versatile shelter for outdoor events. Its durable construction and thoughtful features ensure long-lasting performance.



Figure 1.1: The AirWire 12' x 20' Heavy Duty Portable Carport, providing shelter for a vehicle.

2. IMPORTANT SAFETY WARNINGS

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

- **Proper Anchoring:** Ensure the carport is securely anchored to the ground using all provided ground stakes and cables. In areas prone to high winds or severe weather, additional anchoring methods (e.g., concrete anchors, heavy-duty auger anchors, sandbags) are strongly recommended.
- **Weight Capacity:** Do not exceed the structural weight capacity of the carport. Avoid hanging heavy objects from the frame.
- **Assembly and Disassembly:** Exercise extreme caution during assembly and disassembly. Wear appropriate personal protective equipment, including gloves and safety glasses. Work with at least two people for safe handling of components.
- **Fire Hazard:** Keep the carport away from open flames, heaters, and other ignition sources. The polyethylene material is flammable.
- **Snow and Ice Removal:** In snowy conditions, regularly remove accumulated snow and ice from the canopy to

prevent structural collapse. Do not allow heavy snow loads to remain on the roof.

- **Site Selection:** Choose a level, well-drained area for installation. Avoid placing the carport under power lines or near trees with falling branches.

3. PACKAGE CONTENTS

Before beginning assembly, verify that all parts listed below are present and undamaged. If any parts are missing or damaged, contact customer service immediately.

Component	Description	Quantity
Canopy Cover	180g Polyethylene material, black, UV and water-resistant.	1
Frame Poles	Heavy-duty galvanized metal poles for main structure.	(Various, refer to parts list in box)
Frame Joints	Artfully welded connectors for poles.	(Various, refer to parts list in box)
Ground Stakes	For securing the carport to the ground.	(Various, refer to parts list in box)
Cables/Ropes	For additional stability and anchoring.	(Various, refer to parts list in box)
Side Panels	Removable panels with roll-up windows and side-opening door.	(Various, refer to parts list in box)
Instruction Manual	This document.	1



33% More
Anchoring Power

Upgrade Square Base - 4 Hole

With 32 reinforcement points, our AIRWIRE carport offers 33% more anchoring spots than the conventional 24-point designs, ensuring superior stability and durability.

Figure 3.1: Detail of the upgraded square base with four anchoring points.

4. SETUP AND ASSEMBLY

Assembly is designed to be straightforward. Each part is specifically numbered. No additional tools are typically required beyond what may be included or commonly available household items (e.g., a hammer for stakes).

1. **Prepare the Site:** Select a flat, clear area for assembly. Ensure adequate space around the carport for installation and future access.
2. **Assemble the Top Frame (Step 1):** Begin by connecting the top frame poles and joints according to the numbered parts in your specific parts list. Lay them out on the ground to form the roof structure.
3. **Assemble 8 Pillar Steel Pipes (Step 2):** Attach the vertical support poles (pillars) to the assembled top frame. Ensure all connections are secure.
4. **Cover the Frame with Tarpaulin (Step 3):** Carefully drape the main canopy cover over the assembled frame. Align it properly to ensure even coverage.
5. **Cover the Sides with Tarpaulins (Step 4):** Attach the side panels, including those with roll-up windows and the side-opening door, to the main frame. Secure them as per the instructions.

6. **Secure Carport with Ground Nails (Step 5):** Once the structure is complete, use the provided ground stakes and cables to firmly anchor the carport to the ground. Ensure all anchoring points are utilized for maximum stability.

Figure 4.1: Visual guide for the carport assembly steps.



Figure 4.2: The assembled carport highlighting its all-season protective qualities.

5. OPERATION AND USAGE

The AirWire carport offers flexible usage options thanks to its thoughtful design.

5.1 Roll-Up Windows and Side-Opening Door

The carport features four roll-up mesh windows on both sides and a unique side-opening door. These features are designed to provide excellent ventilation and easy access.

- To open a window, unfasten the securing straps or zippers and roll the window panel upwards. Secure it in the

rolled-up position using the attached fasteners.

- To close a window, unfasten it from the rolled-up position and carefully unroll it downwards, securing it with the straps or zippers.
- The side-opening door operates similarly, allowing for convenient entry and exit without needing to open the main front or rear panels.

Accessible Design with Enhanced Ventilation

Easy access meets optimal airflow with our side door and mesh windows.



Roll Up & Down Mesh Windows



Easy Access Side Door



Figure 5.1: Accessible design with enhanced ventilation through roll-up windows and side door.

5.2 Versatile Usage

Beyond vehicle storage, the carport's removable sidewalls make it adaptable for various outdoor functions:

- **Vehicle Storage:** Protects cars, trucks, boats, and other vehicles from sun, rain, and snow.
- **Outdoor Events:** With sidewalls removed, it can serve as an open canopy for parties, gatherings, or business functions, providing shade and a designated space.
- **General Storage:** Ideal for storing lawnmowers, bikes, garden equipment, and other items that require protection from the elements.

Multi-purpose **AIRWIRE** carport with removable sidewalls to enjoy outdoor sunshine and gatherings



Figure 5.2: Multi-purpose use as an open canopy for outdoor gatherings.

6. MAINTENANCE

Regular maintenance will extend the life of your AirWire carport.

- **Cleaning:** Clean the canopy and frame periodically with mild soap and water. Avoid harsh chemicals or abrasive cleaners that could damage the material or finish. Rinse thoroughly.
- **Inspections:** Regularly inspect all frame connections, anchoring points, ropes, and the canopy material for any signs of wear, damage, or loosening. Tighten connections and replace damaged parts as needed.
- **Snow and Ice:** As mentioned in safety warnings, promptly remove snow and ice accumulation from the canopy to prevent structural strain. Use a soft brush or broom to avoid damaging the material.
- **Storage:** If disassembling for storage, ensure all components are clean and dry before packing. Store in a cool, dry place away from direct sunlight and extreme temperatures.

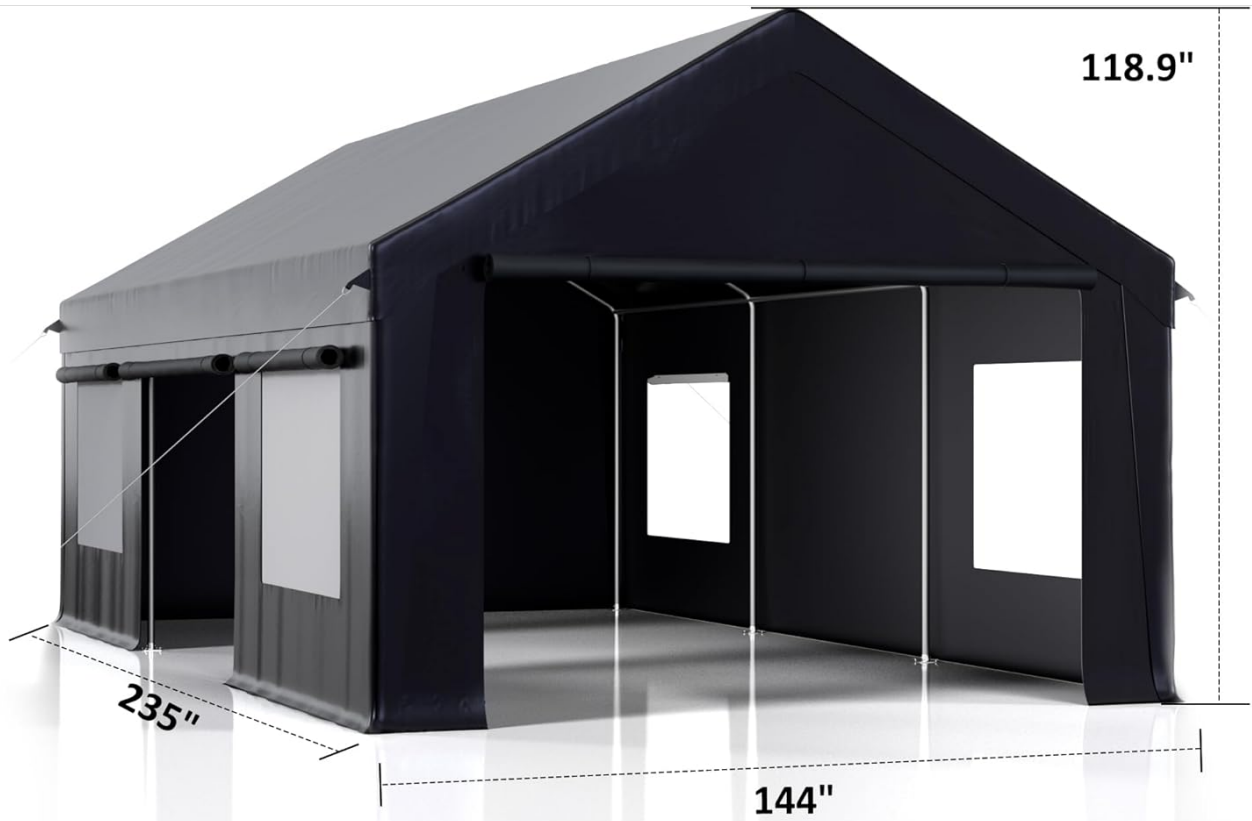
7. TROUBLESHOOTING

This section addresses common issues you might encounter.

Problem	Possible Cause	Solution
Carport feels unstable or sways in wind.	Insufficient anchoring; loose frame connections; extreme weather.	Ensure all ground stakes and cables are properly installed and taut. Check and tighten all frame connections. Consider additional heavy-duty anchoring in windy conditions. Disassemble if extreme weather is expected.
Water pooling on canopy.	Improper canopy tension; excessive snow/rain load.	Adjust canopy tension to ensure water runoff. Remove snow/ice promptly.
Difficulty assembling poles.	Misalignment; minor manufacturing variations.	Ensure parts are correctly oriented. Apply gentle force or slightly rotate poles to align. Do not force connections excessively. Refer to numbered parts.
Tears or holes in canopy material.	Sharp objects; prolonged exposure to extreme elements; wear and tear.	Patch small tears with a suitable repair kit. For large damages, replacement of the canopy may be necessary.

8. SPECIFICATIONS

Attribute	Detail
Brand	AirWire
Model Number	ACP2012BQ
Product Dimensions (L x W x H)	144"L x 235"W x 119"H (12' x 20' x 9.9')
Floor Area	288 Square Feet
Item Weight	145.5 Pounds
Canopy Material	180g Polyethylene (PE)
Frame Material	Heavy-Duty Galvanized Metal
Color	Black
Water Resistance Level	Waterproof
Ultraviolet Light Protection	Yes
Assembly Required	Yes
Special Features	Side-opening door, Roll-up windows, Reinforced four-hole base, Removable sidewalls.



12x 20 FT Heavy Duty Carport Car Canopy

12x20 FT
LARGE SPACE

8
SUPPORTING LEGS

66KG
WEIGHT

Figure 8.1: Key dimensions of the AirWire Carport.

9. WARRANTY AND SUPPORT

For information regarding warranty coverage, replacement parts, or technical support, please refer to the warranty card included with your product or contact AirWire customer service directly. Contact details can typically be found on the product packaging or the official AirWire website.

Please have your model number (ACP2012BQ) and purchase date ready when contacting support.