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> K Knowbody 10x15ft Heavy-Duty Metal Carport Instruction Manual (Model Y8L049-1015-YY22)

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K Knowbody 10x15ft Heavy-Duty Metal Carport Instruction Manual

Model: Y8L049-1015-YY22

Brand: K Knowbody

1. INTRODUCTION

This manual provides detailed instructions for the assembly, operation, and maintenance of your K Knowbody 10x15ft Heavy-Duty Metal Carport. Designed for robust protection, this carport features military-grade reinforced construction, a durable steel roof, and hurricane anchors to secure your vehicles and outdoor equipment against various weather conditions.

Please read this manual thoroughly before beginning assembly or use to ensure safe and correct installation and operation.

2. IMPORTANT SAFETY INFORMATION

- Always follow assembly instructions precisely.
- Use all provided anchors to secure the shelter to a stable foundation.
- Wear appropriate safety gear (gloves, eye protection) during assembly and disassembly.
- Keep children and pets away from the work area during installation.
- Do not exceed the roof's weight limit of 80 lbs/sq.ft.
- Regularly inspect the shelter for any damage or wear and tear.
- Two-person assembly is recommended for optimal safety and stability.

3. PACKAGE CONTENTS

Before beginning assembly, ensure all parts are present and undamaged. Refer to the parts list provided in your packaging. Key components include:

- Galvanized Steel Poles (2x2" with 1.4mm/17-Gauge Walls)
- Steel Roof Panels (0.3mm/30-Gauge)

- Double-Layer Reinforcement Crossbeams
- Top Reinforcement Kits
- Hurricane Anchors (6 units)
- Fasteners (screws, bolts, nuts)
- Side and End Panels (if included with your model)

Note: Expect staggered delivery of boxes if your order includes multiple packages.



Image: All components of the K Knowbody 10x15ft Metal Carport laid out on the ground, including steel poles, roof panels, and various fasteners.

4. ASSEMBLY INSTRUCTIONS

Assembly typically requires 2 people and can take 5-8 hours. Ensure you have the necessary tools, including a drill, wrench, and measuring tape.

4.1. Prepare the Foundation

Choose a level area for installation. For optimal stability, a concrete slab or a well-compacted, level ground is

recommended. Mark the positions for the base plates according to the dimensions of your carport.

4.2. Assemble the Base Frame

Connect the horizontal base bars using the provided fasteners. Ensure all connections are secure but do not fully tighten until the entire frame is assembled and squared.

WHAT MAKES US STAND OUT?

Enhanced Durability Through Increased Material Usage for Superior Strength

OURS	OTHERS
 <p>✓</p> <p>Heavily Reinforced</p>	 <p>✗</p> <p>Brittle structure without reinforcement</p>
 <p>✓</p> <p>Diameter 2x2" & Wall thickness 1.5mm</p>	 <p>✗</p> <p>Uses Cutting Materials of 1mm</p>
 <p>✓</p> <p>Thicker Metal Roof Panels of 30 Gauge</p>	 <p>✗</p> <p>Uses Cutting Materials of 38 Gauge</p>

Image: Close-up view of the carport's galvanized steel frame components, emphasizing the robust 2x2 inch poles and their 1.4mm wall thickness, indicating superior strength compared to standard materials.

4.3. Erect the Vertical Supports and Arches

Attach the vertical support poles to the base frame. Then, assemble the arched roof trusses by connecting the curved sections. Lift and secure these arches to the vertical supports. Use the double-layer reinforcement crossbeams and top reinforcement kits as indicated in the detailed diagrams to enhance structural integrity.

Your browser does not support the video tag.

Video: Detailed instructions on how to set up the frame of a metal carport, demonstrating the connection of vertical supports and roof arches.

4.4. Install Roof Panels

Carefully place the 0.3mm/30-gauge steel roof panels onto the assembled frame. Ensure proper overlap to prevent water leakage. Secure the panels using the provided screws. It is recommended to start from one end and work your way across, ensuring each panel is correctly aligned before fastening.

Your browser does not support the video tag.

Video: Step-by-step guide for installing the metal roof panels on a carport, including tips for proper alignment and securing.

4.5. Install Side and End Panels (Optional)

If your model includes side and end panels, attach them to the frame using the Velcro straps and bungee cords. The front end panel typically features a roll-up door with zippers for easy access. These panels provide additional protection from elements.

Your browser does not support the video tag.

Video: Assembly process for a 10x15ft metal carport, demonstrating the attachment of side panels and overall structure.

4.6. Secure the Carport with Anchors

Utilize the 6 provided hurricane anchors to ground-lock your carport. Drill into the concrete or suitable ground surface at the designated points on the base frame and secure the anchors firmly. This is crucial for stability, especially in high winds (100mph+ tested resistance).



Image: A close-up view of a hurricane anchor firmly securing the carport's metal base to the ground, illustrating the ground fixation mechanism.

4.7. Final Inspection

After assembly, double-check all connections, screws, and anchors to ensure they are tight and secure. Verify that the structure is level and square.

5. OPERATING INSTRUCTIONS

Your K Knowbody Metal Carport is designed for versatile use, including vehicle protection, outdoor storage, RV cover, workspace, bicycle storage, guest parking, and commercial use.

- **Vehicle Parking:** Drive vehicles slowly and carefully into the carport. Ensure adequate clearance on all sides and overhead.
- **Access:** If equipped with roll-up end panels, unfasten the Velcro straps and unzip the panel to open. Roll the panel up and secure it with the top straps for full access. Reverse the process to close.
- **Ventilation:** The carport is designed with vents in the end panels to allow for air circulation.

6. MAINTENANCE

- **Regular Inspection:** Periodically check all bolts, screws, and anchors for tightness. Re-tighten as necessary.
- **Cleanliness:** Keep the roof and panels free from debris, leaves, and heavy snow accumulation to prevent structural strain.
- **Damage Check:** Inspect the frame and panels for any signs of rust, dents, or other damage. Address any issues promptly to maintain the carport's integrity.
- **Snow Removal:** In areas with heavy snowfall, regularly remove snow from the roof to prevent exceeding the 80 lbs/sq.ft snow load capacity.

7. TROUBLESHOOTING

- **Water Leakage:** Ensure all roof panels are correctly overlapped and screws are tightened. Apply waterproof tape (if provided or purchased separately) along seams for enhanced waterproofing.
- **Structural Instability:** Verify that all anchors are properly installed and secured to a stable foundation. Check all frame connections for tightness.
- **Damaged Parts:** If any parts are damaged during shipping or assembly, refer to the warranty and support section for assistance.

8. SPECIFICATIONS

Feature	Detail
Brand	K Knowbody
Model Number	Y8L049-1015-YY22
Material	Metal (Alloy Steel)
Color	Black
Product Dimensions	173"L x 120"W x 100"H
Item Weight	374 pounds (170 Kilograms)
Frame Material	Alloy Steel (2x2" Galvanized Steel Poles, 1.4mm/17-Gauge Walls)
Roof Material	0.3mm/30-Gauge Steel Roof
Snow Load Capacity	80 lbs/ft ²
Water Resistance Level	Water Resistant
Ultraviolet Light Protection	85-99%
Floor Area	144.2 Square Feet
Assembly Required	Yes

9. WARRANTY AND SUPPORT

For damaged parts or any inquiries regarding your K Knowbody Metal Carport, please contact K-NowBody Support for instant replacements and assistance. Refer to your purchase documentation for specific warranty terms and

contact information.