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K Knowbody Y8L1026

K Knowbody Military-Grade Metal Carport 20x26 FT Instruction Manual

Model: Y8L1026

1. Introduction

This manual provides detailed instructions for the assembly, operation, maintenance, and troubleshooting of your K Knowbody Military-Grade Metal Carport 20x26 FT. Please read this manual thoroughly before beginning assembly or use to ensure safe and efficient operation.



Image 1.1: K Knowbody Military-Grade Metal Carport 20x26 FT. This image shows the assembled carport from an elevated perspective, highlighting its size and structure.

Safety Information

Important: Ensure proper anchoring of the shelter to the ground to prevent collapse during high winds or heavy snow. Do not use the shelter in conditions exceeding its rated wind and snow load. Follow the assembly instructions carefully to ensure structural integrity.

Always wear appropriate safety gear during assembly, including gloves and eye protection. Keep children and pets away from the assembly area. Inspect all parts for damage before assembly. If any parts are damaged, contact customer support for replacements.

2. Setup and Assembly

The assembly of the K Knowbody Metal Carport requires careful attention to detail. It is recommended that 3-5 people

participate in the assembly process, which typically takes 15-20 hours. A level surface is crucial for proper installation and structural stability.

Required Tools and Personnel:

- Ladder
- Electric Screwdriver or Drill
- Measuring Tape
- Wrenches/Socket Set
- Safety Gloves and Eye Protection
- 3-5 Persons for Assembly

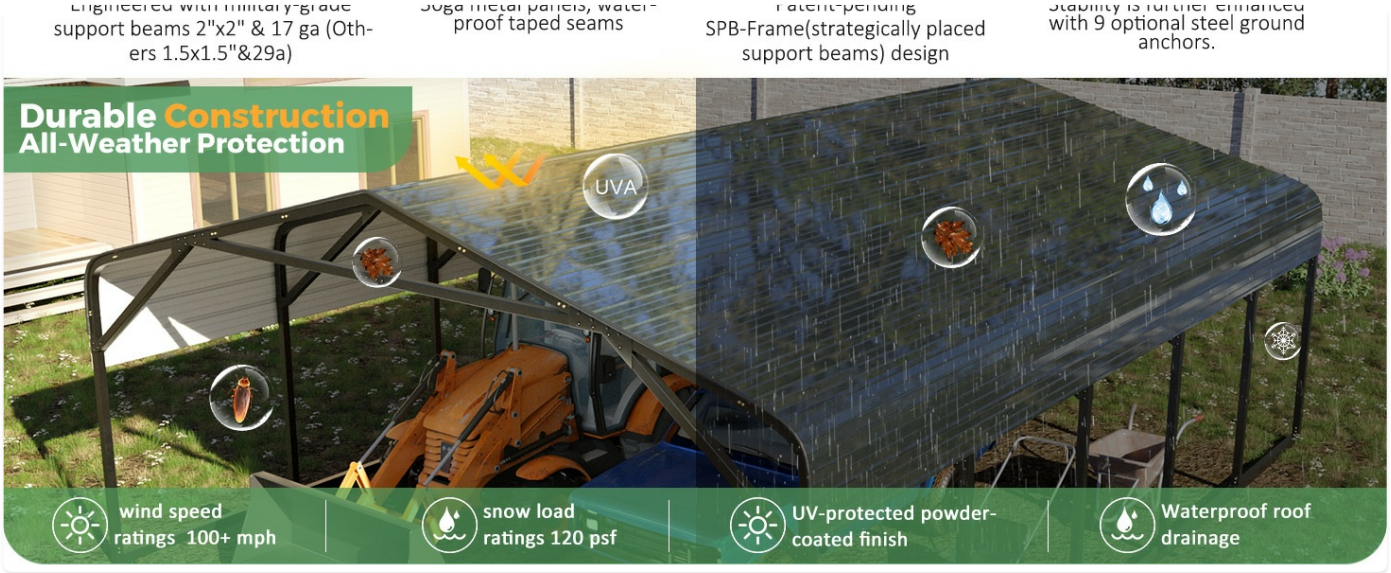


Image 2.1: Stress-Free Setup. This image illustrates the recommended tools and personnel (3-5 people) for efficient assembly of the carport.

Assembly Steps Overview:

1. **Site Preparation:** Ensure the ground is level and clear of obstructions. Consider a slight slope for optimal rain drainage.
2. **Frame Assembly:** Follow the detailed diagrams provided in the separate assembly guide. All screw holes are pre-punched for straightforward alignment.
3. **Roof Panel Installation:** Carefully attach the galvanized steel roof panels. Ensure proper overlap and sealing to prevent leaks.
4. **Anchoring:** Utilize the 10 heavy steel anchor kits provided for secure ground fixation. Proper anchoring is critical for stability against wind and snow.

Assembly Video Guide:

For a visual guide to the assembly process, please refer to the official K Knowbody 3D Assembly Guide video below. This video demonstrates key steps for a similar carport model.

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Video 2.1: K Knowbody 20x20 FT Assembly Guide 3D. This video provides a three-dimensional visual walkthrough of the assembly process for a K Knowbody carport, demonstrating frame construction and panel attachment.

3. Operating Instructions

Your K Knowbody Military-Grade Metal Carport is designed to provide robust protection for a variety of vehicles and equipment.

Intended Use:

- Parking for vehicles (e.g., 2 full-size trucks, cars, motorcycles)
- Equipment storage (e.g., tractors, ATVs, lawnmowers)
- Boat storage
- Outdoor workshop or hobby area
- Temporary storage



Image 3.1: Carport Usage Example. This image shows the carport providing shelter for a boat on a trailer, demonstrating its utility for marine vehicle storage.

Weather Resistance:

The carport features a patent-pending SPB-Frame (strategically placed support beams) design, engineered to withstand challenging weather conditions:

- **Snow Load:** Rated for 120 lbs/ft of snow.
- **Wind Resistance:** Rated for 100 mph winds, suitable for Category 2 hurricanes.



Image 3.2: Carport in Snow. This image depicts the carport successfully sheltering a truck and heavy equipment during snowy conditions, highlighting its snow load capacity.

4. Maintenance

Regular maintenance will extend the lifespan and ensure the continued performance of your K Knowbody Metal Carport.

General Care:

- **Cleaning:** Periodically clean the galvanized steel roof and powder-coated frame with mild soap and water. Avoid abrasive cleaners or tools that could scratch the finish.
- **Inspection:** Regularly inspect all bolts, screws, and anchor points to ensure they remain tight and secure. Tighten any loose fasteners.
- **Snow Removal:** While designed for heavy snow loads, it is advisable to remove excessive snow accumulation to prevent undue stress on the structure, especially during prolonged heavy snowfall.
- **Rust Prevention:** The powder-coated steel beams are designed to be rust-proof for over 10 years. However, promptly address any scratches or chips in the coating to prevent rust formation.

5. Troubleshooting

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

Common Issues and Solutions:

- **Leaks from Roof Panels:**
  Possible Cause: Improper installation of roof panels or sealant.
  Solution: Re-check panel overlaps and ensure all seams are properly sealed. Apply additional sealant if necessary. Ensure the panel channels are oriented correctly for water runoff.
- **Structural Instability/Wobbling:**
  Possible Cause: Loose fasteners or inadequate anchoring.
  Solution: Inspect all bolts and screws, tightening any that are loose. Verify that all 10 heavy steel anchor kits are securely fixed to the ground. Ensure the ground surface is level.
- **Damaged Parts:**
  Possible Cause: Shipping damage or accidental damage during assembly/use.
  Solution: Contact K Knowbody customer support immediately for replacement parts.
- **Excessive Snow Accumulation:**
  Possible Cause: Prolonged heavy snowfall exceeding typical conditions.
  Solution: Safely remove snow from the roof using a snow rake or similar tool to reduce stress on the structure. Do not climb on the roof.

6. Specifications

Detailed technical specifications for the K Knowbody Military-Grade Metal Carport 20x26 FT.

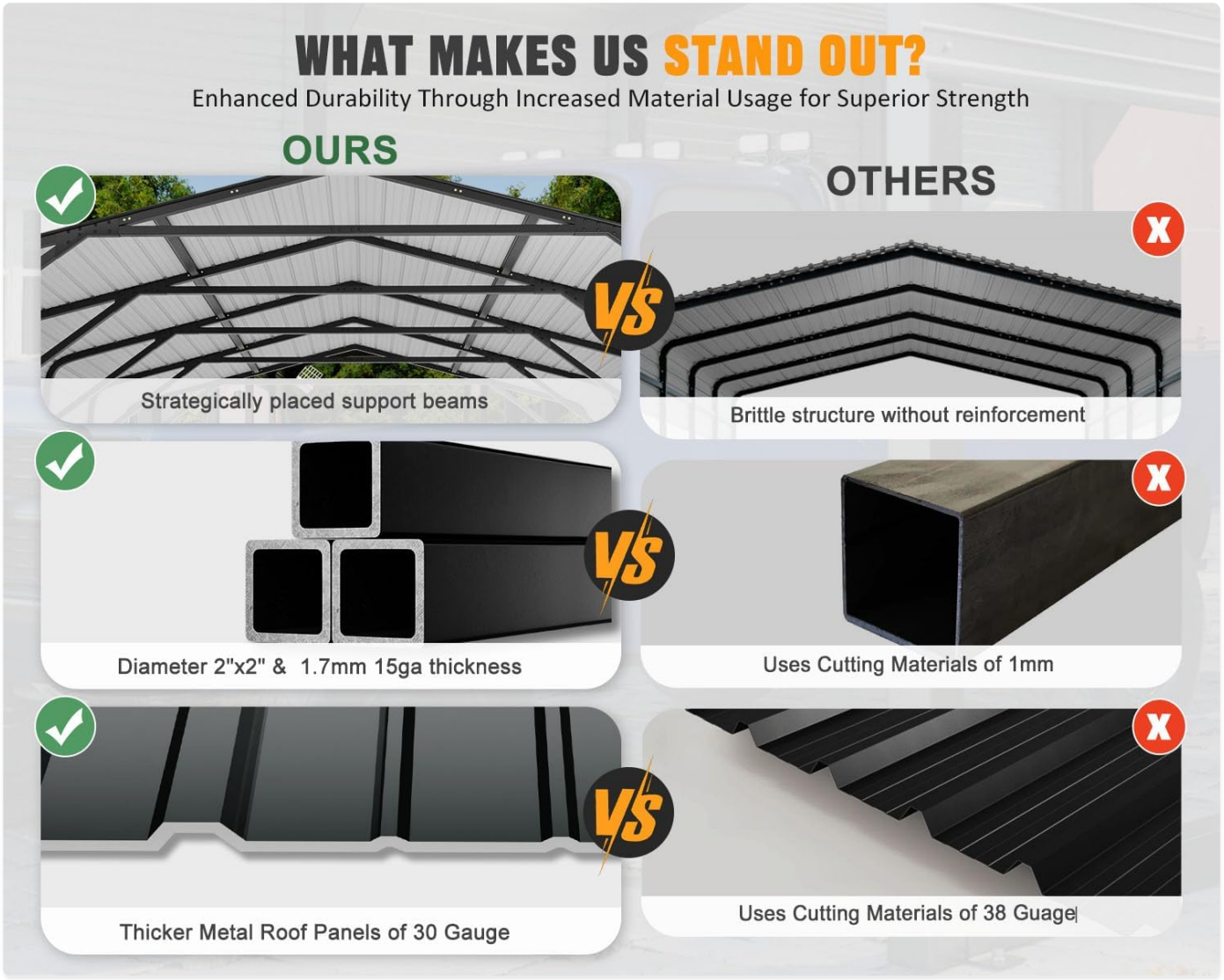


Image 6.1: Material Comparison. This image highlights the superior material usage of K Knowbody carports, including strategically placed support beams, 2"x2" 1.7mm/15ga steel beams, and 30-gauge metal roof panels, compared to competitors.

Feature	Detail
Brand	K Knowbody
Model Number	Y8L1026
Material	Galvanized Steel
Color	Black
Item Weight	1050 pounds
Item Dimensions (L x W x H)	312"L x 240"W x 116"H (26'L x 20'W x 9'8"H)
Floor Area	74880 square inches (approx. 312 sq ft)
Frame Material	2"x2" Powder-Coated Galvanized Steel (1.7mm/15-Gauge)
Roof Coverage	Galvanized Steel Panels with Powder-Coated Finish (30 Gauge)
Snow Load Capacity	120 lbs/ft

Feature	Detail
Wind Resistance	100 mph (Category 2 hurricane rated)
UV Protection	Limited Protection
Water Resistance Level	Water Resistant
Manufacturer	Knowbody Technology Co., Ltd



Image 6.2: Durable Construction All-Weather Protection. This image visually summarizes the carport's robust features, including wind speed ratings (100+ mph), snow load ratings (120 psf), UV-protected powder-coated finish, and waterproof roof drainage.

7. Warranty and Support

K Knowbody is committed to providing high-quality products and excellent customer service.

Warranty Information:

The powder-coated steel beams are designed to be rust-proof for over 10 years. For specific warranty details regarding other components, please refer to the documentation included with your product or contact customer support.

Customer Support:

If you encounter any issues during assembly or use, or if you receive damaged parts, K Knowbody offers prompt replacement services. Our 24/7 U.S. support team is available to guide you instantly.

For assistance, please contact K Knowbody customer support through the retailer where you purchased the product or visit the official K Knowbody website for contact information.

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