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> EASYHAWK 20x20 FT Metal Carport Instruction Manual - Model carport001

## EASYHAWK carport001

# EASYHAWK 20x20 FT Metal Carport Instruction Manual

Model: carport001

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## INTRODUCTION

This manual provides detailed instructions for the assembly, operation, and maintenance of your EASYHAWK 20x20 FT Metal Carport. Please read all instructions carefully before beginning assembly to ensure safe and correct installation and use. This carport is designed to offer robust, all-weather protection for vehicles and equipment.



*Image: The EASYHAWK 20x20 FT Metal Carport providing shelter for a large pickup truck and a tractor.*

## SAFETY INFORMATION

## Important Safety Precautions:

- Always ensure the carport is properly anchored to the ground, especially in high wind areas.
- Avoid prolonged exposure to direct sunlight to minimize UV damage to any non-metal components.
- Wear appropriate personal protective equipment (PPE) during assembly, including gloves and eye protection.
- Ensure the assembly area is clear of obstructions and hazards.
- Do not attempt assembly during strong winds, heavy rain, or other adverse weather conditions.
- Verify all connections are secure and tightened according to instructions.

## PARTS LIST

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Before beginning assembly, verify that all parts listed below are present and undamaged. Refer to the assembly diagrams and video for visual identification of each component.

- **Frame Components:** Square steel tubing (various lengths and bends, typically labeled A, B, C, D, D1, E, F1, F2, F3, P)
- **Roof Panels:** Steel roof panels (typically labeled G, H)
- **Fasteners:** Bolts, nuts, washers, self-tapping screws (typically labeled I, J, K, T)
- **Accessories:** Caulk, Sealing tape, Sealing strip, Solar lamp, Side barrier, Sidewall (quantities may vary)

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*Video: An animated guide illustrating the various components and their labels for the metal carport assembly.*

## ASSEMBLY INSTRUCTIONS

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Assembly requires at least two people. Follow these steps carefully for proper construction. Refer to the assembly video for visual guidance.

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*Video: Detailed assembly process for the 20x20ft metal carport, including frame construction and roof panel installation.*

### Step 1: Assemble the Base Frame

Connect the bottom support rods (B and C) using the provided screws. Ensure all connections are tight and secure. Repeat this process to form all base sections.

### Step 2: Construct the Roof Trusses

Assemble the roof trusses by connecting components D, D1, and E. Secure these with bolts and nuts (J). Attach the vertical support bars (A) to the ends of the trusses. Ensure the triangular support frame is correctly formed for structural stability.

# EVOLUTION OF STRENGTH

31 Extra Bars = 40% More Weight Capacity

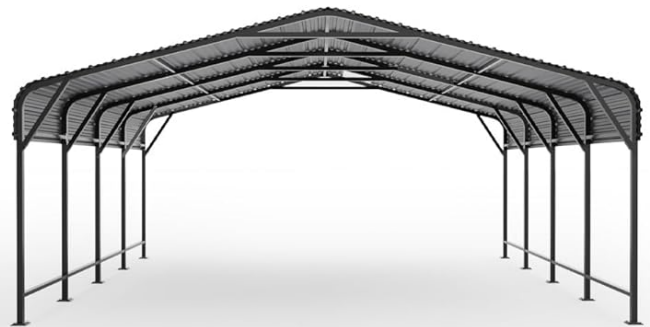


## 2015 Gen 1 Frame

Basic Frame (5 Bars)

Holds 40kg/m<sup>2</sup>

Risk: Sagging Over Time



## 2024 Gen 2 UPGRADE

EASYHAWK Gen 2 (31 Extra Bars)

75kg/m<sup>2</sup> Load Capacity

Lifetime No-Sag Guarantee

*Image: Diagram illustrating the enhanced frame design with additional support bars for increased weight capacity and stability.*

### Step 3: Erect the Frame Structure

Connect the assembled roof trusses to the base frame. Use the provided bolts and nuts to secure the vertical posts (A) to the base. Install the horizontal crossbars (F1, F2, F3) to connect the trusses, forming the complete skeletal structure. Verify all dimensions are within  $\pm 5\text{mm}$  tolerance.



*Image: The completed metal frame structure of the carport before roof panels are installed.*

#### **Step 4: Install Roof Panels**

Carefully place the steel roof panels (G and H) onto the frame. Ensure proper overlap and alignment. Secure the panels using self-tapping screws (I). Apply sealing tape and caulk along the seams to prevent leaks. Install the perimeter guard rails (P) and side barriers for added protection.

# Strong Structure with Long Service Time




 2" Diameter with Rust Resistant Coating Frame



 Strong Structure with Long Service Time



 Reinforced Base Improve Stability



 Reinforced Support Rods

*Image: Detailed view of the carport's robust construction, highlighting thickened steel tubes, reinforced base, and support rods.*

## Step 5: Ground Anchoring

Secure the carport to the ground using the provided 6-inch ground anchors. This is crucial for stability, especially in windy conditions.



*Image: A fully assembled EASYHAWK metal carport providing shelter for two vehicles beside a residential home.*

## OPERATION

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The EASYHAWK Metal Carport is designed to provide reliable shelter for vehicles and equipment. Ensure the area under the carport is clear of debris and obstructions. The generous 20'L x 20'W x 9.7'H dimensions easily accommodate full-size trucks, SUVs, bass boats, and tractors.



*Image: The carport effectively protecting vehicles from snow, demonstrating its all-weather capability.*

## MAINTENANCE

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- Regularly inspect all bolts and connections for tightness. Re-tighten as necessary.
- Check the ground anchors periodically, especially after strong winds or heavy precipitation, to ensure they remain secure.
- Clean the roof panels and frame as needed to prevent accumulation of dirt, leaves, or snow. Use a soft brush and mild detergent with water. Avoid abrasive cleaners.
- Inspect roof seams and sealing for any signs of wear or leakage. Reapply caulk or sealing tape as needed to maintain waterproof integrity.
- Monitor for any signs of rust on the steel components. Although treated with a triple-layer protective coating, prompt attention to any rust spots can prolong the product's lifespan.

## TROUBLESHOOTING

### Issue: Leaks from the roof.

**Solution:** Inspect the roof panel overlaps and areas where screws penetrate. Ensure sealing tape and caulk are properly applied. If any gaps or damage are found, reapply sealant or replace damaged sections as necessary. A complimentary repair kit is provided for minor installation leakages.

### Issue: Carport instability or swaying.

**Solution:** Verify that all frame connections are securely tightened. Check the ground anchors to ensure they are firmly embedded and not loose. In areas prone to extreme weather, consider additional anchoring methods or professional installation.

### Issue: Bent or damaged panels/frame components upon arrival.

**Solution:** Inspect all components immediately upon delivery. If significant damage is present, contact EASYHAWK customer support for assistance with replacements before beginning assembly.

## SPECIFICATIONS

Feature	Detail
Brand	EASYHAWK
Model Number	carport001
Material	Metal (Alloy Steel Frame)
Color	Black
Product Dimensions	238.76"L x 233.46"W x 116.33"H (Approx. 20'L x 20'W x 9.7'H)
Floor Area	400 Square Feet
Ultraviolet Light Protection	Yes
Water Resistance Level	Waterproof
Assembly Required	Yes

# BIG & TALL

Spacious and convenient storage for your large vehicles, ensuring they fit easily inside the garage

20x20FT

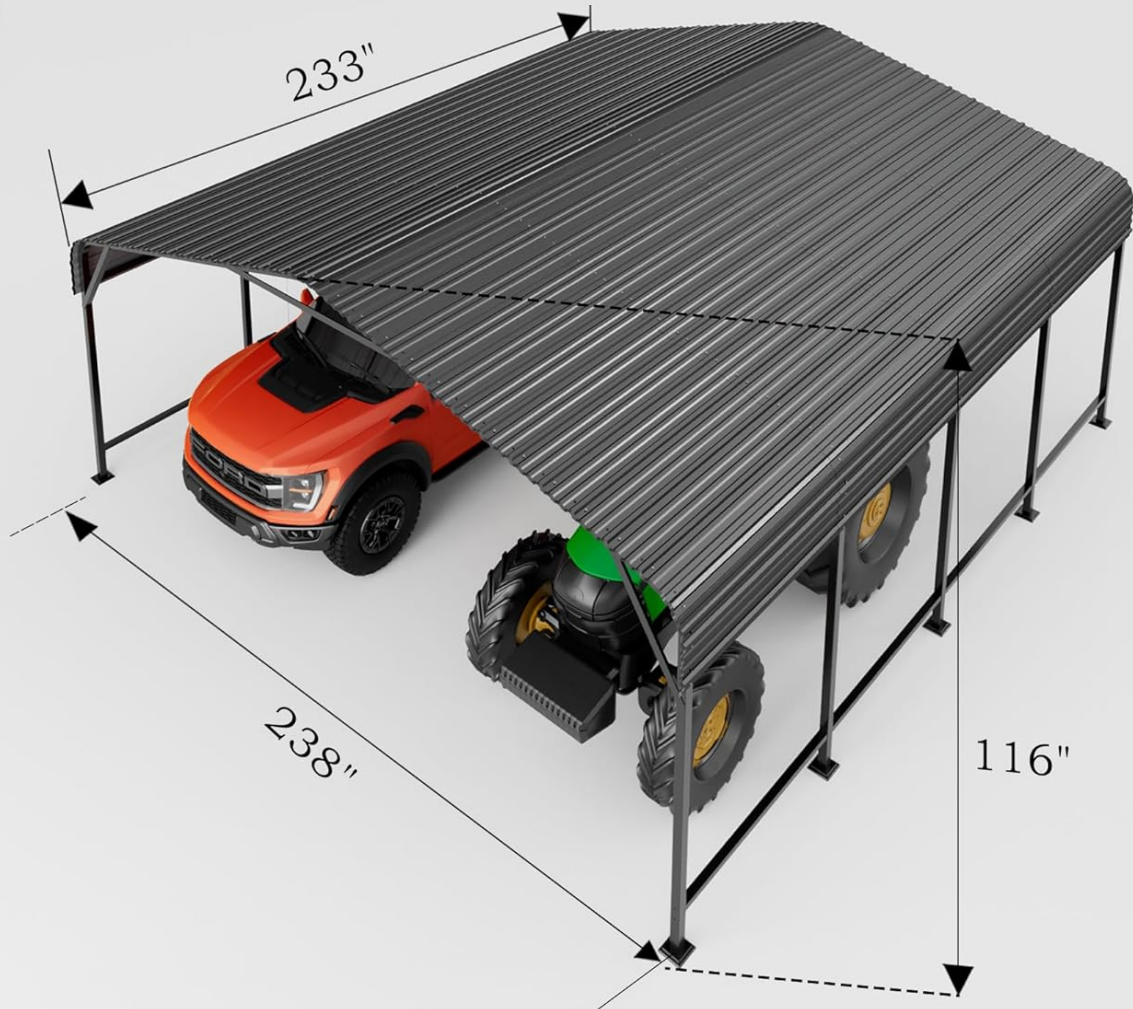


Image: Visual representation of the carport's dimensions (20x20FT).

## WARRANTY AND SUPPORT

EASYHAWK provides dedicated technical experts and customer care specialists. For assembly guidance, product inquiries, or support regarding your carport, please contact our team. We are committed to ensuring your complete peace of mind throughout your ownership experience.

Refer to your purchase documentation for specific warranty details.