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› [PHI VILLA 12'x25' Heavy Duty Metal Carport Instruction Manual](#)

PHI VILLA GA2

PHI VILLA 12'x25' Heavy Duty Metal Carport Instruction Manual

MODEL: GA2

Brand: PHI VILLA

INTRODUCTION

This manual provides comprehensive instructions for the assembly, operation, and maintenance of your PHI VILLA 12'x25' Heavy Duty Metal Carport. Please read all instructions carefully before beginning assembly and retain this manual for future reference.

SAFETY WARNINGS

- The manufacturer is not responsible for consequences due to improper installation or damage from weather conditions or acts of God.
- Clear snow from the roof regularly to prevent damage from excessive weight and to extend the product's lifespan. Heavy snow can make the structure unsafe.
- Wind and snow load ratings (100 MPH Wind, 10 PSF Snow Load) are for reference only, assuming a standalone unit without an enclosure kit, and a securely anchored frame according to local building codes. These calculations are based on an unoccupied structure.
- Local building codes vary; conformance to local codes is the purchaser's responsibility.

SETUP & ASSEMBLY

The carport features an innovative, upgraded self-adaptive screw-pipe framework design for simple and convenient installation. All necessary hardware and easy-to-follow instructions are included.

Before You Begin

- Ensure you have a minimum of 3 people for assembly.
- The carport will be delivered in a total of 4 boxes. Please wait patiently for all boxes to arrive before starting installation.
- Install the carport on a level surface.
- Best suited for anchoring on any surface, including grass, rocky soil, gravel, and asphalt. For concrete or flat surfaces, use concrete expansion square head bolts.

Assembly Steps

1. Unpack all components and verify against the parts list in the included instructions.
2. Assemble the frame structure according to the detailed diagrams. The innovative screw-pipe framework simplifies this process.
3. Attach the corrugated steel roofing panels to the frame. Ensure proper alignment and secure all fasteners. The roof is equipped with waterstop strips to minimize rainwater leakage.
4. Securely anchor the carport to the ground using the provided hardware or appropriate concrete expansion bolts for hard surfaces.

Assembly Diagram

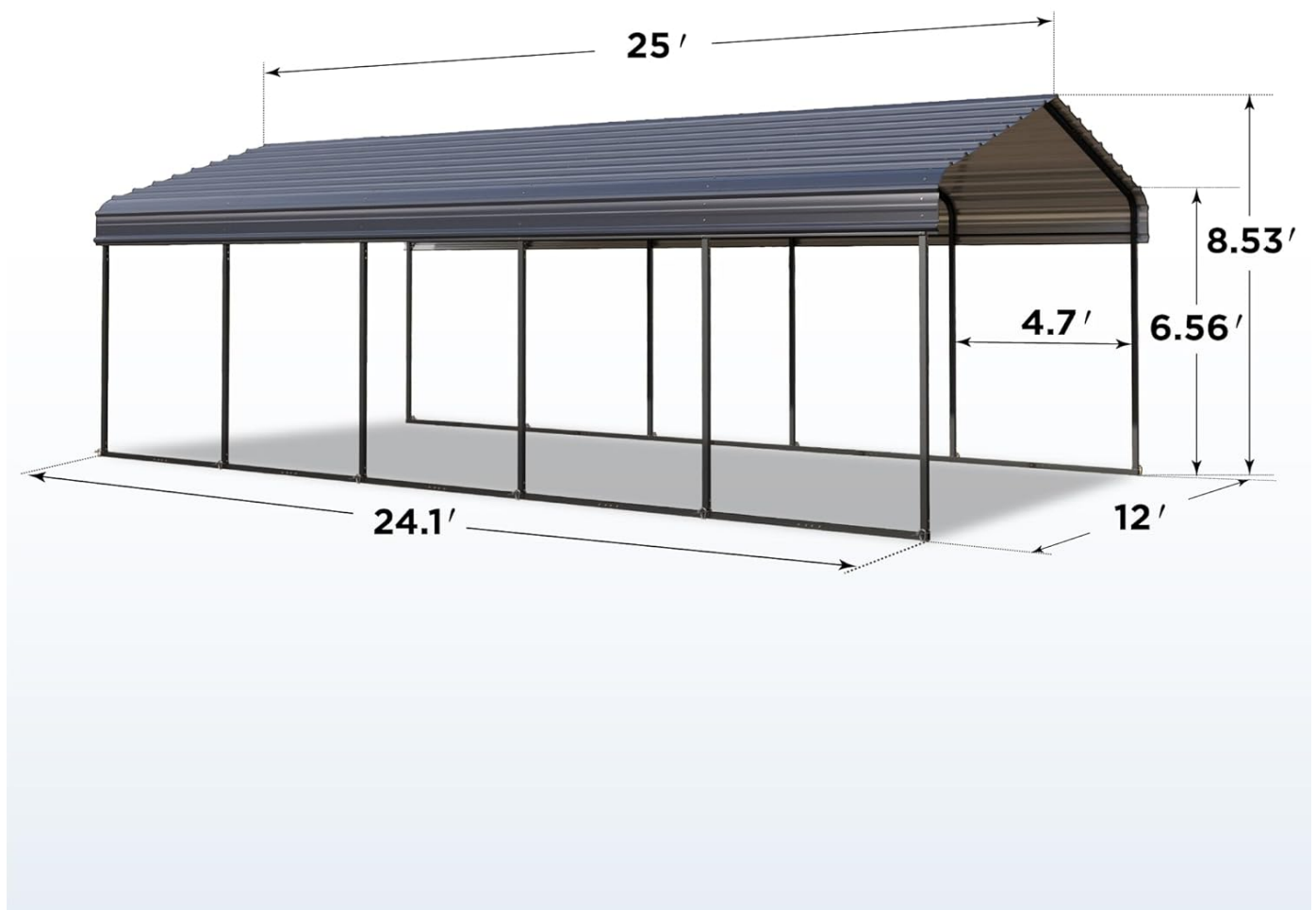
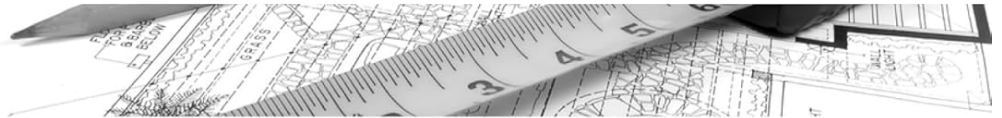


Figure 1: Easy Assembly Diagram. This diagram illustrates the step-by-step process of assembling the carport frame and attaching the roof panels.

Assembly Video

Video 1: 12x20 Metal Carport with Sidewalls Installation. This video demonstrates the installation process for a similar metal carport, including frame assembly and roof panel attachment. While the dimensions are 12x20, the general steps are applicable.

OPERATING INSTRUCTIONS

The PHI VILLA 12'x25' Carport is designed to provide shelter for various vehicles and can also serve as a versatile outdoor space.

- **Vehicle Parking:** The 12'x25' dimensions offer ample space for vehicles such as cars, trucks, and boats. Drive vehicles slowly and carefully into the carport to avoid striking the frame.
- **Multi-Use Shelter:** Beyond vehicle protection, this carport can be utilized as an activity shelter for outdoor events like parties, weddings, or commercial fairs.



Figure 2: Carport with a truck parked inside, showcasing ample space and protection.

MAINTENANCE

- **Snow Removal:** Regularly clear snow from the roof to prevent accumulation. Heavy snow loads can damage the structure and compromise safety.
- **Structural Inspection:** Periodically inspect all bolts, fasteners, and anchor points to ensure they remain tight and secure. Tighten any loose components immediately.
- **Cleaning:** Clean the metal roof and frame as needed to remove dirt, debris, and prevent corrosion. Use mild soap and water, avoiding abrasive cleaners.

TROUBLESHOOTING

If you encounter any issues with your carport, consider the following:

- **Stability Issues:** Ensure the carport is properly anchored to the ground. Re-check all anchor points and tighten if necessary. For soft ground, consider additional anchoring solutions.
- **Water Leakage:** Verify that all roof panels are correctly overlapped and that the waterstop strips are properly installed. Check for any loose screws on the roof panels.

- **Damaged Components:** For any damaged parts, please contact customer support for assistance.



SPECIFICATIONS





Brand	PHI VILLA
Model Number	GA2
Style	12'x25'
Product Dimensions	300.3"L x 146.7"W x 108"H
Material	Alloy Steel, Aluminum, Metal (Frame: Galvanized Steel)
Color	Gray
Water Resistance Level	Waterproof
Ultraviolet Light Protection	Yes
Assembly Required	Yes

WARRANTY & SUPPORT

For customer support, questions, and concerns regarding your PHI VILLA carport, please contact us. We are committed to responding to all customer messages within 24 hours.

Related Documents - GA2

	<p>PHI VILLA Furniture Use and Care Instructions</p> <p>Comprehensive guide to using and caring for PHI VILLA furniture, including tips for wood, leather, granite, faux wood/marble, metal, and fabric materials to ensure longevity and beauty.</p>
	<p>PHI VILLA PV-356 Outdoor Bench Use and Care Guide</p> <p>Detailed use and care instructions for the PHI VILLA PV-356 outdoor bench, including assembly steps, safety precautions, and warranty information.</p>

	<p>PHI VILLA Use and Care Guide for Outdoor Furniture (E02GF119, PV-432-4)</p> <p>Comprehensive use and care guide for PHI VILLA outdoor furniture, including assembly instructions, safety information, and warranty details for models E02GF119 (round table) and PV-432-4 (wicker chairs).</p>
	<p>PHI VILLA E02GF110 Round Patio Table & THD-E02GF3602 Chair Use and Care Guide</p> <p>Comprehensive use and care guide for PHI VILLA outdoor furniture. Includes detailed assembly instructions, safety warnings, warranty information, and maintenance tips for the E02GF110 round patio table and THD-E02GF3602 patio chairs. Provided by PHI VILLA / Alphamarts.</p>
	<p>PHI VILLA 7-Piece Outdoor Dining Set Use and Care Guide</p> <p>Comprehensive guide for PHI VILLA 7-Piece Outdoor Dining Set, covering assembly, safety, care, and warranty information.</p>
	<p>PHI VILLA 5-Piece Metal Patio Fire Pit Set Assembly and Use Guide</p> <p>Comprehensive assembly instructions, use and care guide, and safety information for the PHI VILLA 5-Piece Metal Patio Fire Pit Set. Includes parts list, assembly steps, and maintenance tips for both the PHI VILLA set and a 28 Inch Gas Fire Pit Table.</p>