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› Outsunny 12' x 20' Outdoor Pergola Instruction Manual

## Outsunny 84C-416V01DR

# Outsunny 12' x 20' Outdoor Pergola Instruction Manual

Model: 84C-416V01DR

## 1. SAFETY INFORMATION

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**WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Always ensure the pergola is securely anchored to a stable foundation using the provided expansion screws and L-plates. Maintain a distance of at least 0.6 inches between the wood plate edges and screws to prevent cracking. Failure to do so may result in the pergola tipping over or causing injury. Regular inspection of all connections and wood components is recommended to ensure continued stability and safety.

## 2. PRODUCT OVERVIEW

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The Outsunny 12' x 20' Outdoor Pergola is designed to enhance your outdoor living space, offering a versatile structure for climbing plants and providing comfortable shade. Its robust construction features paint-protected fir wood, ensuring durability against various weather conditions.

- **Wood Pergola Kit:** Ideal for supporting climbing plants like grapes, sweet potatoes, passionflower, ivy, or morning glory, bringing a rustic charm to your backyard.
- **Simple & Customizable:** Features a sleek, modern style with a minimalist grid top, allowing plants to be the focal point.
- **Comfortable Shade:** Provides vine-ripened shade, perfect for various outdoor occasions such as pool parties, barbecues, or patio picnics.
- **Year-Round Outdoor Use:** Constructed from paint-protected fir wood for water resistance, reinforced with posts, diagonal braces, and beams.
- **Secure Anchoring:** Includes expansion screws and L-plates for mounting to solid ground, ensuring stability.



Image: The Outsunny 12' x 20' Outdoor Pergola, showcasing its large size and integration into a patio area with seating.

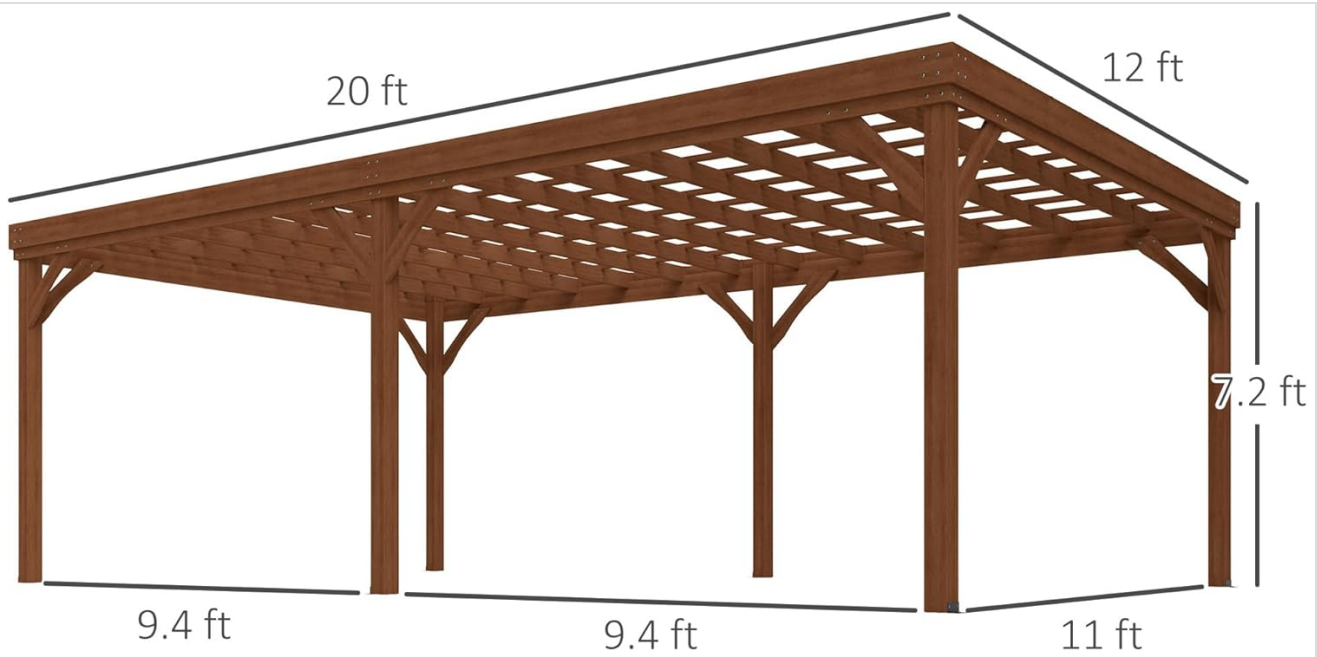


Image: A detailed diagram illustrating the overall dimensions of the pergola: 20 ft length, 12 ft width, and 7.2 ft height.

### 3. SETUP AND ASSEMBLY

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Assembly of the Outsunny Pergola is required. It is highly recommended that at least two people participate in the assembly process to ensure safety and ease of construction. The wood components, while sturdy, should be handled with care during assembly to prevent splintering or damage.

#### 3.1 Assembly Video Guide

For a visual step-by-step guide, please refer to the official assembly video:

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Video: Official Outsunny 84C-416V01DR Pergola assembly and feature overview. This video demonstrates the structure and potential uses of the pergola.

#### 3.2 Key Assembly Steps and Components

- **Structural Integrity:** The pergola features multi-beams, diagonal braces, and solid wood columns for a sturdy structure.
- **Anchoring:** Utilize the provided expansion screws and L-plates to firmly secure the pergola to a concrete or solid ground surface. This step is critical for stability and safety.



Image: Close-up view highlighting the sturdy construction elements of the pergola, including multi-beams, diagonal braces, and solid wood columns.



Image: Illustration of the expansion screws and L-shaped metal plates used to firmly anchor the pergola to the ground, ensuring stability.

## 4. OPERATING AND USAGE

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The Outsunny Pergola is designed to create a versatile outdoor space. Its open lattice design is ideal for supporting climbing plants, which will eventually provide natural shade. It can also serve as a decorative structure to define an outdoor seating area, dining space, or even a covered parking spot.

- **Plant Support:** Encourage the growth of climbing vines such as grapes, wisteria, or bougainvillea by guiding them along the pergola's beams.
- **Shade Creation:** As plants mature, they will create a natural canopy, offering increased shade and a cooler environment.
- **Versatile Placement:** Suitable for gardens, patios, decks, or backyards. Its robust design also allows it to be used as a car shelter.



Image: The pergola creating a shaded and inviting outdoor living space with comfortable patio furniture.



Image: The pergola effectively used as a stylish and functional shelter for a vehicle.

## 5. MAINTENANCE

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To ensure the longevity and appearance of your Outsunny Pergola, regular maintenance is essential.

- **Cleaning:** Periodically clean the wood surfaces with a mild soap and water solution. Avoid harsh chemicals or abrasive cleaners that could damage the paint-protected finish.
- **Inspection:** Regularly inspect all bolts, screws, and connections to ensure they remain tight. Tighten any loose hardware as needed.
- **Wood Condition:** Although made of paint-protected fir wood for water resistance, monitor the wood for any signs of warping, cracking, or rot. Address minor issues promptly with appropriate wood repair products.
- **Anchoring:** Verify that the expansion screws and L-plates remain securely anchored to the ground, especially after strong winds or heavy rain.
- **Winter Care:** In areas with heavy snow or extreme weather, consider removing any accumulated snow from the top to prevent excessive weight on the structure.

## 6. TROUBLESHOOTING

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

- **Wood Cracking/Splintering:** If minor cracks or splinters appear, especially around screw points, it may be due to excessive pressure during assembly or natural wood movement. Ensure screws are not overtightened. For existing cracks, wood filler can be used for cosmetic repairs. Always maintain the recommended 0.6-inch distance from edges when fastening.
- **Warped Boards:** Some wood pieces may exhibit slight warping. During assembly, use extra brackets or clamps if necessary to align warped pieces more evenly. Over time, the structure's rigidity may help mitigate minor warping.
- **Instability/Wobbling:** This is often due to improper anchoring or loose connections. Re-check all expansion screws and L-plates to ensure they are securely fastened to a stable foundation. Verify all structural bolts and screws are tightened.
- **Chemical Odor:** A chemical smell upon unboxing is possible due to the wood treatment. This typically dissipates quickly in an outdoor, well-ventilated environment.
- **Lack of Shade:** The pergola's design provides partial shade. For full sun blockage, additional shade solutions like shade cloths or mature climbing plants are necessary.

## 7. SPECIFICATIONS

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Feature	Detail
Brand	Outsunny
Model Number	84C-416V01DR
Material	Fir Wood
Product Dimensions (L x W x H)	239.8" x 143.7" x 85.8" (20' x 12' x 7.2')
Item Weight	247.2 Pounds
Frame Material	Wood
Water Resistance Level	Not Water Resistant (Paint-protected for durability)
Assembly Required	Yes
Color	Brown
Manufacturer	Aosom LLC
UPC	196393341285

## 8. WARRANTY AND SUPPORT

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Outsunny products are designed for quality and customer satisfaction.

- **Returns:** This product is eligible for a 30-day easy return policy. Please refer to your purchase platform for specific return instructions.
- **Protection Plans:** Extended protection plans may be available for purchase, offering additional coverage beyond the standard return period. Options typically include 2-Year and 3-Year Protection Plans.

- **Customer Support:** For any questions, concerns, or assistance with assembly or parts, please contact Aosom Direct customer support. You can visit the official Outsunny store for more information and contact details: [Outsunny Store on Amazon](#).