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› [Outsunny](#) /

› [Outsunny 10' x 12' Outdoor Pergola \(Model 84C-416V00DR\) Instruction Manual](#)

## Outsunny 84C-416V00DR

# Outsunny 10' x 12' Outdoor Pergola (Model 84C-416V00DR) Instruction Manual

Model: 84C-416V00DR | Brand: Outsunny

## 1. PRODUCT OVERVIEW

The Outsunny 10' x 12' Outdoor Pergola is designed to enhance your outdoor living space, providing a structure for climbing plants and offering partial shade. Constructed from fir wood, this pergola is suitable for various outdoor settings such as gardens, patios, backyards, and decks.



Figure 1: Outsunny 10' x 12' Outdoor Pergola in a backyard setting.

## 2. IMPORTANT SAFETY INFORMATION

**WARNING:** Ensure proper assembly, secure the pergola to the ground, and be aware of potential hazards in high wind conditions (up to Level 6). Failure to follow these instructions may result in injury or damage to the product.

## 3. PRODUCT FEATURES

- **Wood Pergola Kit:** Designed to support climbing plants like grapes, sweet potatoes, passionflower, ivy, or morning glory, adding rustic charm to your outdoor space.
- **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, suitable for various outdoor occasions such as pool parties, barbecues, or picnics.
- **Year-Round Outdoor Pergola:** Constructed from paint-protected fir wood for water resistance, reinforced with posts, diagonal braces, and beams. Includes expansion screws and L-plates for ground mounting.
- **Overall Dimensions:** 143.75" L x 118" W x 84.75" H. Ensure sufficient distance (at least 0.6") between wood plate edges and screws to prevent cracking.





Figure 2: Sturdy structure with multi beams and diagonal braces.

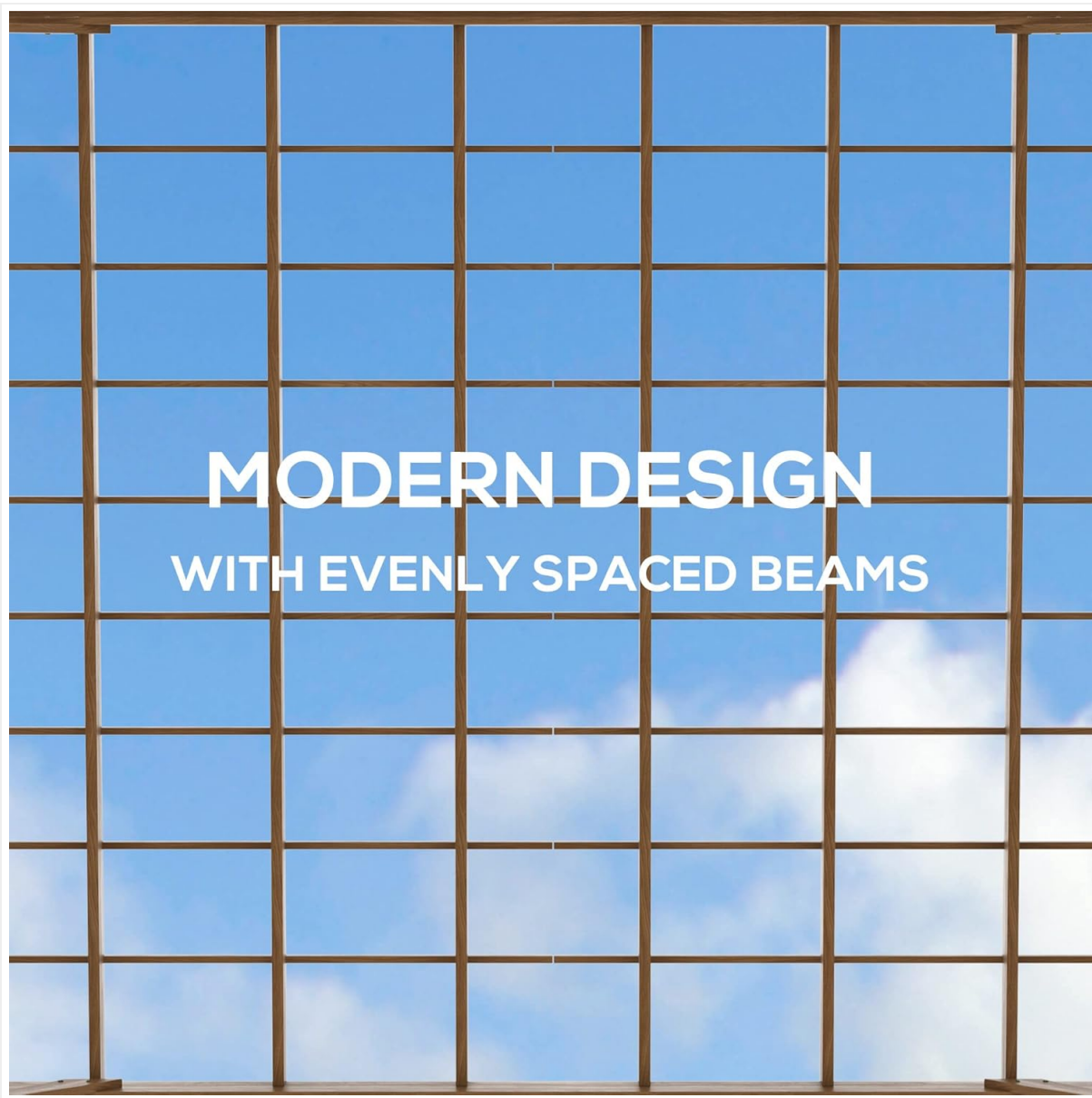


Figure 3: Modern design with evenly spaced beams for plant support.

## 4. COMPONENTS AND PARTS LIST

Before assembly, ensure all components are present and undamaged. Refer to the packaging for a complete list of parts. Key components include:

- Wooden Posts
- Main Beams
- Cross Beams (Trellis)
- Diagonal Braces
- Mounting Hardware (Expansion Screws, L-plates)





Figure 4: Included mounting hardware for stability.

## 5. SETUP AND ASSEMBLY INSTRUCTIONS

Assembly requires at least two people. All holes are pre-drilled, and necessary hardware is included. Follow these general steps:

1. **Unpack and Organize:** Carefully unpack all boxes and lay out components. Verify all parts against the included parts list.
2. **Assemble Main Beams:** Connect the main beams using the provided hardware. These pieces are designed to fit together like a puzzle. Secure them with the metal braces and screws.
3. **Attach Posts:** Securely attach the posts to the main beam structure. Ensure all connections are tight.
4. **Install Diagonal Braces:** Fasten the diagonal braces to the posts and beams for added stability.
5. **Install Cross Beams:** Place the smaller cross beams (trellis) across the main beams to form the top grid.
6. **Secure to Ground:** Using the provided expansion screws and L-plates, anchor the pergola posts to a solid ground surface (e.g., concrete patio or deck). Ensure a minimum of 0.6" distance between wood plate edges and screws to prevent wood cracking.

For a visual guide, please refer to the official product video below:

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## 6. OPERATING INSTRUCTIONS

The Outsunny Pergola is designed to provide a semi-shaded area and support for climbing plants. To maximize its use:

- **Plant Support:** Guide climbing plants such as grapes, ivy, or flowering vines along the cross beams to create natural shade and enhance aesthetics.
- **Shade Provision:** The open grid design offers partial shade. For increased shade, consider adding a removable shade cloth or growing dense foliage.
- **Outdoor Living Space:** Arrange outdoor furniture beneath the pergola to create a comfortable and inviting area for relaxation, dining, or entertaining.

## 7. MAINTENANCE

Regular maintenance will prolong the life and appearance of your pergola:

- **Cleaning:** Periodically clean the wood with a mild soap and water solution. Avoid harsh chemicals that may damage the finish.
- **Wood Protection:** The fir wood is paint-protected for water resistance. Reapply wood sealant or paint as needed to maintain protection against weather elements.
- **Hardware Check:** Annually inspect all screws, bolts, and L-plates to ensure they remain tight and secure. Tighten any loose fasteners.
- **Plant Management:** Trim climbing plants regularly to prevent excessive weight or obstruction of the structure.

## 8. TROUBLESHOOTING

Common issues and their solutions:

- **Wood Splitting:** If wood splits during assembly, ensure screws are not overtightened and maintain the recommended 0.6" distance from edges. For existing splits, wood glue and clamps can be used for minor repairs.
- **Instability/Wobbling:** Verify that all ground anchors (expansion screws and L-plates) are securely fastened. Check all structural connections (posts, beams, braces) for tightness.
- **Lack of Shade:** The pergola provides partial shade. For more complete shade, consider adding a retractable canopy or encouraging denser plant growth.
- **Damage from High Winds:** In areas prone to strong winds, ensure the pergola is properly anchored. Consider additional reinforcement if necessary.

## 9. SPECIFICATIONS

Attribute	Detail
Brand	Outsunny
Model Number	84C-416V00DR
Material	Fir Wood

Product Dimensions	143.75" L x 118" W x 84.75" H
Item Weight	139.8 pounds
Frame Material	Wood
Water Resistance Level	Water Resistant
Shape	Rectangular
Assembly Required	Yes
Color	Brown
UPC	196393143674

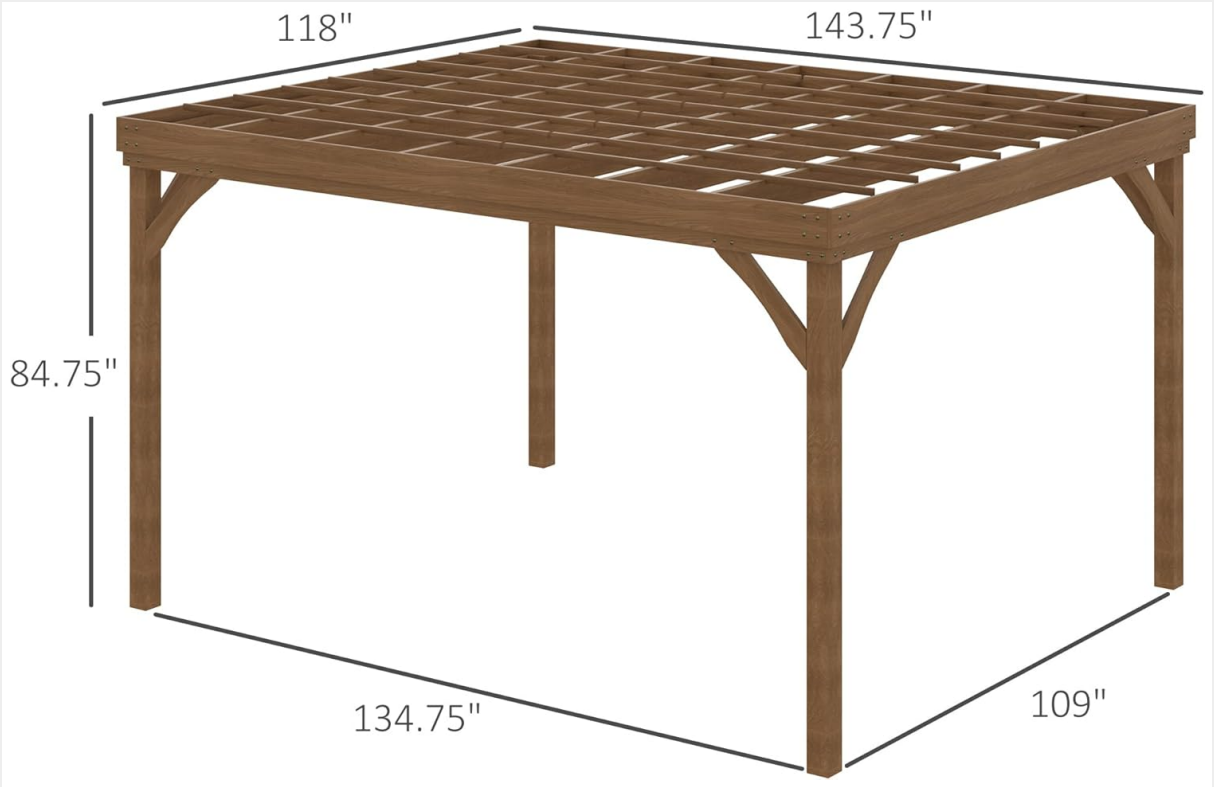


Figure 5: Product dimensions.

## 10. WARRANTY AND SUPPORT

For customer support or inquiries regarding your Outsunny Pergola, please contact Aosom Direct, the seller. Information regarding specific warranty terms may be available at the point of purchase or through direct inquiry with the seller.

This product is eligible for 30-day easy returns. Protection plans are also available for purchase separately.