



## OSCAR1-PRO-PERGOLA

# Generic Bioclimatic Pergola User Manual

Model: OSCAR1-PRO-PERGOLA

## 1. INTRODUCTION

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This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Generic Bioclimatic Pergola. Please read these instructions thoroughly before assembly and use to ensure proper function and longevity of your product. Keep this manual for future reference.

## 2. SAFETY INFORMATION

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- Ensure all components are securely fastened during assembly.
- Do not attempt to operate the louvered roof system if any parts are damaged or obstructed.
- Open the louvers before heavy snowfall to prevent accumulation and potential structural damage.
- Keep children and pets away from the pergola during assembly and operation of moving parts.
- Consult a professional if you are unsure about any installation steps or structural integrity.

## 3. PRODUCT OVERVIEW

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The Generic Bioclimatic Pergola is an outdoor structure designed to provide adjustable shade and weather protection. It features a motorized louvered roof system, a robust aluminum frame, and an integrated drainage system.



*Image 1: A white bioclimatic pergola with its louvers partially open, demonstrating adjustable shade control.*

## Key Features:

- **Adjustable Louvered Roof:** Effortlessly adjust louvers from 0° to 135° to control sunlight, ventilation, and shade.
- **Durable Construction:** Crafted with a powder-coated aluminum alloy frame and galvanized steel louvers for resistance against rust, peeling, and corrosion.
- **Integrated Drainage System:** Prevents water accumulation by directing rainwater through louvers, beams, and columns.
- **Optional Netting and Curtains:** Double track system for privacy and insect protection.
- **Weather Resistant:** Designed to withstand strong winds, heavy rain, and UV exposure.

## 4. SPECIFICATIONS

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Feature	Detail
Brand	Generic
Model Number	OSCAR1-PRO-PERGOLA
Product Dimensions (Standard)	118.11"L x 118.11"W x 106.3"H (approx. 10ft x 10ft x 8.8ft)
Item Weight	529.11 Pounds
Frame Material	Aluminum
Louver Material	Galvanized Steel
Water Resistance Level	Waterproof
Ultraviolet Light Protection	Yes
Assembly Required	Yes
Color	White (as per product details, other colors may vary)
Louver Adjustment Range	0° to 135°
Maximum Wind Resistance	Grade 7 (31-38 mph)
Maximum Snow Thickness Tolerance	10 inches

## 5. SETUP AND INSTALLATION

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The pergola is designed for straightforward assembly. It is recommended to have at least two people for installation due to the size and weight of components.

### 5.1 Pre-Installation Checklist

- Verify all parts are present according to the packing list (not provided in this manual, refer to your product packaging).
- Ensure the installation area is level and clear of obstructions.
- Gather necessary tools (e.g., wrenches, level, measuring tape, drill for anchors).

### 5.2 Assembly Steps (General Guidelines)

1. **Frame Assembly:** Connect the main support beams and posts. Prefabricated rails and louvers require no special rivets or welds.
2. **Louver Installation:** Install the galvanized steel louvers into the designated slots on the frame.
3. **Motorized System Connection:** Connect the motorized crank system for louver adjustment. Follow specific wiring instructions provided with the motor (if applicable, not detailed here).
4. **Anchoring:** Securely attach the pergola to the ground using the pre-drilled bases on each post and supplied expansion bolts. This enhances stability.
5. **Drainage System Check:** Ensure all drainage channels are clear and properly aligned to allow water to flow through the beams and columns.
6. **Curtain/Netting Installation (Optional):** If included, install the netting and curtains onto the double track system.



*Image 2: Example of a white bioclimatic pergola with open louvers, providing shade over a patio seating area.*



*Image 3: A dark grey bioclimatic pergola with its louvers closed, offering full overhead protection for an outdoor dining setup.*

## 6. OPERATING INSTRUCTIONS

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### 6.1 Adjusting the Louvered Roof

The pergola's roof features an adjustable louver system controlled by a crank mechanism (or motor, depending on specific model configuration). This allows you to customize the amount of sunlight and ventilation.

- To **open** the louvers: Rotate the crank in the specified direction to move the louvers from 0° (closed) towards 135° (fully open).
- To **close** the louvers: Rotate the crank in the opposite direction to move the louvers from an open position towards 0° (closed).
- You can stop the louvers at any angle between 0° and 135° to achieve desired shade or light.



*Image 4: A dark grey bioclimatic pergola featuring a retractable side screen for added privacy and sun protection.*

## 6.2 Using Netting and Curtains (If applicable)

The pergola may include a double track system for optional netting and curtains, providing privacy and protection from insects or wind.

- To **deploy** curtains/netting: Slide them along the double track system to the desired position.
- To **secure** curtains/netting: Use the provided windproof hooks or tie straps to the pillars to prevent them from blowing in the wind.



*Image 5: A white pergola adorned with flowing beige curtains, creating a private and shaded lounge area on a rooftop patio.*

## 7. MAINTENANCE

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Regular maintenance will ensure the longevity and optimal performance of your pergola.

- **Cleaning:** Clean the aluminum frame and louvers periodically with mild soap and water. Avoid abrasive cleaners or harsh chemicals that could damage the powder-coated finish.
- **Drainage System:** Regularly inspect the drainage channels for any debris (leaves, dirt) and clear them to prevent water accumulation.
- **Snow Accumulation:** In areas with heavy snowfall, it is crucial to open the louvers before snow accumulates to prevent excessive weight and potential damage to the roof structure.
- **Fasteners:** Periodically check all bolts and fasteners to ensure they remain tight and secure.
- **Fabric Care (Curtains/Netting):** If your pergola includes fabric components, follow the care instructions provided with the fabric. Typically, these can be spot cleaned or gently washed.



Image 6: A dark grey bioclimatic pergola with its louvers partially open, situated on a deck overlooking a pond, demonstrating its integration into natural settings.

## 8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Louvers do not adjust smoothly.	Obstruction in the louver mechanism; dirt or debris; motor issue (if motorized).	Inspect for obstructions and clear them. Clean the louver tracks. If motorized, check power supply and consult motor manual.
Water accumulation on the roof.	Drainage channels are blocked; louvers not fully closed during rain.	Clear any debris from the drainage system. Ensure louvers are fully closed during rainfall.
Pergola feels unstable.	Anchoring bolts are loose; improper installation on uneven ground.	Check and tighten all anchoring bolts. Ensure the pergola is installed on a level surface. Re-anchor if necessary.

## 9. WARRANTY AND SUPPORT

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For specific warranty information, please refer to the documentation provided with your purchase. If you encounter any issues not covered in this manual or require further assistance, please contact the manufacturer or your retailer.

**Manufacturer:** Foshan Oscar Building Materials Co., Ltd

**ASIN:** B0DC59QVHR