



**Gibus**<sup>®</sup>  
THE SUN FACTORY

USE AND MAINTENANCE MANUAL  
DECLARATION OF QUALITY  
DECLARATION OF WARRANTY  
DECLARATION OF PERFORMANCE DoP

MODEL

**MOVIE**

**ISLAND VERSION, LEANING VERSION, WALL  
SINGLE MODULE, COUPLED**



**ENG**

MUT 116  
Cod. 340490  
Rev. 1  
01/02/2024





**WARNING: carefully read all warnings and instructions in this manual and in the use and maintenance manual before carrying out any operation with the Bioclimatic Pergola. Read in particular the chapter on safety.**

Dear Customer,  
thank you for choosing a Pergola by "Gibus", we are pleased to deliver this manual in order to help you to use the product in the best possible way.

Please read the recommendations described in the following pages and keep the manual at hand for the Gibus specialist who will be responsible for management and maintenance of the Pergola.

**Gibus**<sup>®</sup>

THE SUN FACTORY

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**IMPORTANT NOTE:**

For the sake of simplicity, in this manual the product may be referred to as “pergola”, “awning” or “structure”.

The correct definition that identifies the product is “Bioclimatic Pergola” or “Pergola Awning with Sun Slats”, with a detailed description found in section 1.1 “Preliminary Information” and in Chapter 15 “Annexes”.

These instructions were translated from Italian (original language).

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## CHAPTER 1: INTRODUCTION

### 1.1 PRELIMINARY INFORMATION

Do not destroy and change, if needed just supplement with inserts published by the manufacturer. This manual refers to the product:

Type of awning: Bioclimatic Pergola, isolated or leaning against the wall, for outdoor use.

Models: MOVIE (ISLAND - LEANING VERSION - WALL)

Revision No. 01

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Manufacturer's data: Gibus S.p.A. via L. Einaudi, 35 - 35030 SACCOLONGO (PD) - ITALY  
[http: www.gibus.it](http://www.gibus.it) - e-mail: [gibus@gibus.it](mailto:gibus@gibus.it)

List of annexes: Installation instructions - Motors and automatisms instructions - Delivery certificate.

Each operator and personnel in charge of the installation, adjustments, operation and maintenance of the Bioclimatic Pergola, must read this manual and observe the instructions given, the operator in charge of the installation and maintenance must also meet the qualification requirements for the use and maintenance of the Pergola.



**IMPORTANT:** The instruction manual is aimed at those who use the Bioclimatic Pergola, such as an installer, maintainer, owner or user and is the basis for the correct use and maintenance of the product. Addressed **to the installer** are the instructions for handling, unpacking, installation, adjustment and maintenance. Addressed **to the owner** are the instructions for proper use, maintenance and disposal, as well as the warranty. **This manual is an integral part of the product.** Keep it intact and in an easily accessible place for future reference and at hand for further consultation until the disposal of the Bioclimatic Pergola. In case of loss or destruction of the manual, the customer must request a new copy to his Retailer, providing the main data of the product and the destination of the new copy. When selling this manual must follow the Bioclimatic Pergola to its new destination. **The manual must always be available to the qualified installation, maintenance or control personnel for the necessary registration.** The Manufacturer reserves the right to update products and relevant manuals, with no obligation to update previous manuals.

**This manual is the essential tool for maintaining the validity of the guarantee.**

## 1.2 INSTRUCTIONS FOR USE

The instructions contained in this manual are intended for models:

- **MOVIE ISLAND:** Bioclimatic self-supporting stand-alone pergola with cover formed of a brise soleil with swinging metal blades, available in single or multi-module, with coupling modules.
- **MOVIE LEANING VERSION:** Bioclimatic wall-leaning pergola with cover formed of a brise soleil with swinging metal blades, available in single or multi-module, with coupling modules.
- **MOVIE WALL:** bioclimatic pergola applied to walls with cover formed of a brise soleil with swinging metal blades, available in single or multi-module, with coupling modules.

The instruction manual must be read and used in the following way:

- Read this manual carefully, and consider it an integral part of the Pergola;
- The instruction manual must be readily available for use by staff in charge of running and maintenance;
- Keep the manual for the entire service life of the Pergola;
- In case of sale deliver the manual to the new owner of the Pergola;
- Use the manual in such a way not to damage its content;
- In no case remove, tear or re-write any part of the manual;
- Keep the manual in a place protected from moisture and heat;
- If the manual is lost or partially damaged and then its complete content can no longer be read, it is advisable to request a new manual to the manufacturer.

In the following pages pay close attention to the following symbols and their meaning. Their function is to highlight essential information such as:



**WARNING: DANGER TO THE OPERATOR/USER** In reference to dangerous situations that can occur with the use (including installation and maintenance) of the Pergola. Failure to comply with these messages may endanger the safety of persons and the product.



**WARNING:** In reference to dangerous situations that may occur due to the PRESENCE OF ELECTRICAL VOLTAGE. Failure to comply with these messages may endanger the safety of persons and the integrity of the product.



**WARNING:** In reference to dangerous situations that can occur with the use of the Pergola to prevent damage to objects and the Pergola itself.



**IMPORTANT:** Useful information and tips to be observed to ensure proper use and preservation of the Pergola. Failure to observe these messages can affect the integrity and / or resistance of the product.



## 1.3 REGULATIONS AND SELF-CERTIFICATION DOCUMENTATION

### 1.3.1 With reference to CE marking

This User's Manual was prepared in accordance as indicated in EN 13561 and with section 1.7.4 of Annex 1 to Directive 2006/42/EC taking into account the normal use of the Pergola in order to inform, together with other instructions for use affixed to the pergola itself or in the installation instructions, the operators / users on residual risks that the products presents.

The Bioclimatic Pergola **complies** with the "Construction products regulations - CPR 305/2011" and the requirements given in the Annex ZA of the EN 13561, "assessment and inspection system for performance continuity type 4" (System 4).

If it is installed properly, it has a resistance to wind as shown in the technical data table in section 4, according to the size, in each case greater or equal than those required by the Class 3 of the UNI EN 13561 rule on "External awnings - Performance requirements including safety".

This Technical Classification ensures resistance to a wind that carries a maximum pressure rating of 110 [N/m<sup>2</sup>] (Newton/sqm) similar to a wind insisting on the awning with a maximum speed of 49 [km / h] corresponding to the 6<sup>th</sup> level of the Beaufort Scale. The resistance to wind load was evaluated according to criteria related to those required by the UNI EN 13561 and UNI EN 1932 rules and from the technical standards in force, with the necessary safety margins.

The Pergola **complies** as well as the relevant parts of the Machinery Directive 2006/42/EC. The CE Mark together with wind resistance characteristics according to UNI EN 13561 and the self-certification document (Declaration of Performance DoP) are included in APPENDIX 0 and APPENDIX 1 on the last pages of this manual. The original Declaration of Performance DoP issued by the manufacturer is kept by Gibus S.p.A.

### 1.3.2 With reference to UKCA marking

This User's Manual was prepared according to EN 13561 and the "Supply of Machinery (Safety) Regulations 2008" taking into account the normal use of the awning and in order to inform the users/operators and provide them with the instructions to install the awning itself and warn users about the residual risks.

The awning **complies** with the relevant parts of "The Construction Products (Amendment etc.) (EU Exit) Regulations 2020" and offers, if it is properly installed, a resistance to a wind load as much as the resistance required by Class 3 of the EN 13561 rule on "External blinds" Performance requirements including safety".

The compliance with this Technical Classification ensures resistance to a wind that carries the maximum pressure rating of 110 [N/m<sup>2</sup>] (Newton/sq m) similar to a wind against the awning with a maximum speed of 49 [km/h] corresponding to the 6<sup>th</sup> level of the Beaufort Scale. The resistance to wind load was evaluated according to criteria required by the UNI EN 13561 and UNI EN 1932 rules, with the necessary safety margins.

The awning **complies** the requirements in Annex ZA of the same EN 13561 regulations, where there is an "assessment and inspection system for performance continuity of type 4" (System 4).

The engine driven awning also **complies** with the relevant parts of the "Supply of Machinery (Safety) Regulations 2008".

The UKCA Marking as well as the wind resistance characteristics according to UNI EN 13561 and the self-certification document ("Declaration of Performance DoP") are included in the ANNEX 2 and ANNEX 3 attached to the last pages of this manual. The original of the "Declaration of Performance DoP" prepared by the manufacturer is filed at Gibus S.p.A.

## 1.4 RESPONSIBILITY

Gibus SpA is not liable and has no obligations for any accidents to persons or property, which may occur due to:

- Failure to follow the instructions in this manual regarding the installation, use and maintenance of the Pergola;
- Violent actions or mishandling in the installation, use and maintenance of the Pergola;
- Changes made to the Pergola without the prior written permission by Gibus SpA;
- Incidents in any case arising beyond the normal and correct use of the Pergola.

In any case, if the user thinks the cause of the incident is a defect of the Pergola, he will have to prove that the damage has been a consequence of such a "defect".



**WARNING: For maintenance or repair to always use only original spare parts. Gibus SpA declines all responsibility for damages that may occur for non-compliance with the above instructions. The Pergola is guaranteed according to the contractual arrangement prepared at the time of sale. The warranty is in any case deemed void if the rules and instructions for use and maintenance contained in this manual were not followed.**

Quick or careless preparation leads to improvisation, which is the cause of many accidents. Before starting the installation work and before commissioning of the Pergola, carefully read and observe the following tips:

- Program all operation with the utmost care;
- Be well aware of where and how it is provided for the use and maintenance of the Pergola;
- Strictly follow all warnings relating to special dangers listed in this manual;
- The maintainer must always have at hand the instruction manual;
- A constant and careful preventive maintenance will always ensure a high level of operating safety of the Pergola. Never postpone needed repairs and have them carried out only by qualified personnel, and use only original spare parts.

## 1.5 IDENTIFICATION OF THE PRODUCT AND TECHNICAL NAMEPLATE

Each model is identified by the adhesive technical nameplate showing the CE marking sign and contains the following data:

**A** Name and address of the registered office of the manufacturer.

**B** CE | UKCA marking

**C** No of the European rule.

**D** Model of the awning and specifications.

**E** Year of manufacture.



Each Gibus awning and pergola is unique, individually recognisable and traceable due to the Gibus trademark 3D hologram with a unique alphanumeric serial number. All Gibus products are supplied with the hologram (see back cover). The hologram is applied near the CE | UKCA marking.

## CHAPTER 2: SAFETY REQUIREMENTS



**IMPORTANT:** For any doubt or unintended use, consult the authorized dealer or the manufacturer before installation.

The manufacturer is not liable for malfunctions and damage if the Pergola:

- Is used for purposes other than those for which it is intended to;
- Is not operated and maintained in accordance with the instructions specified in this manual;
- Is not subject to regular maintenance, as prescribed, or non-original spare parts are used for replacement.

### 2.1 PURPOSE AND INTENDED USES OF THE PERGOLA

The Bioclimatic Pergola was designed and made for protection from the sun and rain and it is meant to be used in civil constructions, residential and commercial buildings and other facilities for the community.

**The Bioclimatic Pergola is not able to withstand snow load. Therefore should it snow, the blades must be placed vertically (open) before the snow settles on them.**

It is advisable to use the snow sensor, temperature sensor combined with the rain sensor, to detect snow and prevent it depositing.

**In all cases, do not stand under or near the pergola if any snow has deposited on it (\*). Any other use is considered improper and inadequate and releases the manufacturer from all liability for any damage caused to persons or property.**

The Bioclimatic Pergola offers, if properly installed, a resistance to wind load greater or equal than those required by the Class 3 of EN 13561. It is therefore recommended the exposure to a wind exerting a maximum pressure of 110 Newton/sqm, corresponding to the load of a continuous wind speed not exceeding 49 km/h.

**It is strictly required, for the sake of safety, to open the swinging metal blades vertically before the given limit is reached (even though the pergola offers much higher wind resistance depending on its size).**

(\*) The MOVIE structure is designed to withstand a static load from deposited snow of at least 60 kg/m<sup>2</sup> (without wind).



**CAUTION:** for safety reasons the brise soleil blades on the pergola must be placed vertically in case of wind exceeding the recommended maximum exposure, very strong rain, hail, snow and ice; it is very dangerous to leave blades placed horizontally in these cases, it can cause injury to persons and damage to property. Do not stand under or near the pergola if any snow has deposited on it.

(\*\*) In the event of ice, it might be difficult to open the blades if they are in a horizontal position (i.e. closed).



**IMPORTANT:** In order to use the Pergola for purposes other than those described above, a specific permission given by the manufacturer is required. Failure to follow the conditions for proper use, voids any warranty given by the manufacturer.

## 2.2 USE ENVIRONMENT

The Pergola was designed and built to be used outside. It offers adequate protection of the electrical parts to water infiltration. The motors and the control units provides a degree of protection against moisture equal to at least **IP44**.



**CAUTION: the engines cannot be used in atmospheres posing risk of explosion.**

The Pergola can also be used outdoors or away from the wall of a building (intended use), provided that the system is degree of protection **IP55**.

It needs a 230V/50Hz power supply. Install an upstream electrical switch suitable to 230V/50Hz with magnetothermal and differential functions (see paragraph 6.2. "ELECTRIC CONNECTION"). The electrical switch should be placed in a protected position, in an easy to reach position, high from the ground and away from dangerous areas.



**ATTENTION!: Corrosion resistance is not guaranteed in the event of immersion or sprays with salt water (sea storms, etc.). Also, with intense exposure to salty fog, incrustations or bubbles could appear in the connections or aluminium profiles and oxide or rust could appear on the stainless steel brackets. These conditions are not covered by warranty.**



**CAUTION: No person should install or place ladders or other fixed objects in such a way as to obstruct the movement of the blades.**

## 2.3 STANDARD SAFETY DEVICES

### Temperature sensor:

Temperature alarm intervention - Alarm: the sensor detects a temperature lower than 2°C for 30 seconds. If the pergola is closed, it will open 8% of the stroke; if the temperature is higher, it does not adjust the slats, but if it receives the command to close completely, it will automatically reopen at 8% to avoid the formation of ice.

No Alarm/End Alarm: the detected temperature is above 3°C for 30 seconds.



**IMPORTANT: The temperature sensor can be activated by the remote control/programmed transmitter, using the buttons on the control unit or the WiFi App. See the specific instructions of the control unit supplied with the accessory box.**

## 2.4 OPTIONAL SAFETY DEVICES

### Wind sensor:

Wind alarm intervention - Alarm: the control unit detects a wind speed higher than that which has been set. It turns the pergola's slats to 66% of fully open and disables the reception of commands until the alarm stops.

No Alarm/End Alarm: the control unit detects a wind speed lower than that which has been set for 60 seconds.

**i** **IMPORTANT: the wind sensor can't be enabled/disabled from the remote control or control unit but only from the sensor itself. See the specific instructions of the sensor supplied with the accessory box.**

### Rain sensor:

Rain alarm intervention - Alarm: the sensor detects water and the control unit closes the pergola's slats completely, only allowing you to adjust them to a maximum of 30% of the stroke by remote or by hand.

Commands via Wi-Fi App are disabled. Even when the sensitive part of the sensor is dry, the control unit remains in an alarm state for 3 hours.

No Alarm/End Alarm: the sensitive part of the Rain sensor has been dry for 3 hours.

**i** **IMPORTANT: The rain sensor can be activated by the remote control/programmed transmitter, with the buttons on the control unit or with the Wi-Fi application. See the specific instructions of the control unit supplied with the accessory box.**

### Snow sensor (temperature sensor combined with rain sensor):

Snow alarm intervention - Alarm: the detected temperature is below 2°C and the Rain sensor detects water: subsequently the control unit turns the pergola's slats to 66% of fully open and disables the reception of commands until the alarm stops.

No Alarm/End Alarm: the detected Temperature is above 3°C or Rain is not detected.

**i** **IMPORTANT!: If more than one sensor is used, it is possible that two alarms will sound, which may require conflicting interventions. In these situations, the control unit prioritizes in the following order: Wind sensor/ Snow sensor (rain and temperature alarms going off at the same time) /Rain sensor/ Temperature alarm.**

**i** **IMPORTANT!: for further information about the control unit of motors and sensors as well as for specific information, see the instructions supplied with the control unit and sensors.**

## 2.5 USER AND INSTALLER REQUIREMENTS

The normal use of the Bioclimatic Pergola is allowed to everyone, except those younger than 12 years. The installation of the Bioclimatic Pergola and of the electrical system, the adjustment of the Pergola and the setting of the engines limit switch, as well as maintenance must be performed by qualified personnel only. The installation of the Pergola adjustments must be performed strictly in accordance with the manufacturer's instructions provided in this manual and especially following the attached Installation Instructions referred to in the pertinent sections of this manual (Chap. 6 and Chap. 7).

## 2.6 RECOMMENDATIONS

In the manual and especially in the attached Installation Instructions referred to in the pertinent sections of this manual (Chap. 6 and Chap. 7), are listed **all instructions** for proper handling, storage, installation, use and maintenance of the Pergola, in compliance with the product standards and the “Machinery Directive” and to avoid harm to people or damage to the Pergola itself. Are also given instructions to perform properly both dismantling and disposal.



**WARNING: The installation of the Pergola and its electrical connection, are only to be carried out by specialized and authorized staff.**

**Any operation on the electrical system must be carried out by trained personnel only. For any doubt or unintended use, consult the manufacturer before installation.**



**WARNING: The installation of the Pergola must be carried out in accordance with the instructions in this manual. A different installation could result in hazardous situations. In this regard see the sections “SAFE INSTALLATION” and “INSTRUCTIONS FOR PROPER INSTALLATION” and the installation instructions attached to this manual and inside the package.**



**WARNING: You can not alter or modify the Pergola. Any changes or modifications made without proper authorization by the manufacturer, relieves the latter from any liability for any damage that may result and void the warranty.**



**ATTENTION: it is strictly forbidden to carry out operations using open flames in the vicinity of the Pergola.**

Recommendations to be taken in the presence of staff (only if staff is working under the structure):

- if the structure is installed as a stand-alone structure, assess the lighting hazard according to Law Decree 81/08 (in the Chapter III of Title III) by applying the technical reference regulations such as CEI EN 62305-2 (CEI 81-10/2).
- If the structure leans against an existing building, carry out the lighting hazard assessment again in accordance with Law Decree 81/08 (in chapter III of Title III) by applying the technical reference regulations such as CEI EN 62305-2 (CEI 81-10/2).

## CHAPTER 3: TECHNICAL DESCRIPTION

The Bioclimatic Pergolas of the **MOVIE** line were designed and built according to the principles of constant innovation, impeccable workmanship and attention to detail by **Gibus Total Quality**. A system of values designed to ensure complete customer satisfaction.

Gibus design interacts with nature to obtain maximum comfort and minimum energy waste. The bioclimatic cover solutions can regulate the microclimate of the environment underneath by creating natural ventilation. The aluminum blades that make up the cover are moved by a motorized system and can rotate from the horizontal closed position, which guarantees an excellent seal in case of rain, to the open position, according to an angle that varies from 0 to 120 degrees. The exposure to sun of the external side of the blades generates heat, which induces a natural convective movement of air from down to up through the blades. pleasant, refreshing breeze provides a comfortable environment without any mechanical intervention. Naturally and without energy consumption.

Adjusting the blades permits modulating the cooling effect and the sunlight that filters into the environment below, giving full control of the microclimate and one's own comfort. Even if it rains there is maximum protection because the blades have been designed to waterproof and permit the flow of water only through the appropriate gutters integrated into the structure columns (patented Side Seal). Naturally beautiful, efficient and reliable system that Gibus has developed, filing patents for the innovative technological content.

**MOVIE ISLAND** is a bioclimatic pergola made of moveable brise soleil aluminium blades and integrated in a special and dedicated self-supporting structure. It is installed in a stand-alone way and isolated from any building.

For the **MOVIE LEANING VERSION**, the structure is dedicated and must be leaned against the wall of a building.

**MOVIE WALL** is installed attached to the wall of a building.

The cover is formed of openable and moveable metal blades. When it is sunny, open the blades to provide the required shade for improved outdoor comfort and a natural airflow that carries the hot air upwards. When it rains the closed blades offer protection and carry the water to the gutters incorporated in the supporting structure. The linear motor moves the blades by the remote control. The Pergola is equipped with several patented systems to facilitate and speed up the installation work and improve the performance of the product:



Gibus Patent<sup>®</sup> **Side Seal**: a side holding system for the blades resting on a seal along the inside edge that provides isolation from the outside.



Gibus Patent<sup>®</sup> **Quick Assembly**: quick connection system of the supporting structure free from exposed fastening elements.



Gibus Patent<sup>®</sup> **Blade Seal**: blades sealing system.



Gibus Patent<sup>®</sup> **Smart pin**: connection system with a sun slat cap with an integrated linchpin that reduces assembly time in production departments.



Gibus Patent<sup>®</sup> **Screw cap**: sealing system for corner drainage with screw cap that also makes it possible to have a strut with drainage on site during installation.

### 3.1 STRUCTURAL AND MECHANICAL COMPONENTS

The Bioclimatic Pergola is formed of a self-supporting structure or attached to a wall, made from painted aluminium and with side self-supporting gutters, supporting legs measuring 110x110 mm and a cover formed of swinging brise soleil blades.

The couplings include stainless steel brackets, painted aluminium parts, stainless steel nuts and bolts. The linear actuator is activated by a radio-controlled system and they transmit the movement to the blades. The profiles are made of aluminium alloy EN AW 6060 UNI EN 573-03 UNI EN 755-2 Qualicoat, treated with an anticorrosion treatment and thermosetting polyester powder paint. The plastic components are melted in fiberglass and nylon plastic.



**ATTENTION!: Corrosion resistance is not guaranteed in the event of immersion or sprays with salt water (sea storms, etc.). Also, with intense exposure to salty fog, incrustations or bubbles could appear in the connections or aluminium profiles and oxide or rust could appear on the stainless steel brackets. These conditions are not covered by warranty.**

### 3.2 ELECTRICAL COMPONENTS

The sun slats are adjustable thanks to a 24VDC linear actuator governed by an electronic control unit with a 230VAC/24VDC power supply. The motor provides a maximum push and pull force of 2500 [N]; Protection rating: IP66; Stroke length: 230 mm; Noise level: Max. 60 db (A); Operating temperature: -20 °C ÷ +60 °C; Control unit with 868 MHz radio receiver, Wi-Fi module for control with OneSmart App. Internal 100W power supply. Wiring with connectors for motor, wind sensor, rain sensor. Temperature probe included.



**CAUTION: the power supply group has an electrical insulation of Class II. Don't ground the structure with the following attentions:**



**WARNING: the vertical side awnings have tubular motors with electrical insulation levels lower than class II. The bioclimatic pergola must be grounded according to the diagram shown in the Installation Instructions.**



**WARNING: even if there are accessories and parts powered at 230V/50Hz with an electrical insulation level lower than class II (for example, the heaters or snow melters), the bioclimatic pergola must be grounded according to the diagram shown in the Installation Instructions.**



Upstream a magnetothermal and differential switch must be installed with the characteristics defined in the table below. If there is more than one output line from the pergola, each single line must be protected. Provide power cables as defined in the table below.

### MOVIE Electric Features

Type	Bioclimatic pergola.		
Power supply	230 V (+10% +15%) 50Hz (*)		
Max. absorbed power	100 W (max. 0,5 A) for standard configuration modules. +max. 250 W with Spot White lights Tot. max. 600 W (2.7 A) Refer to the labels on the outputs on each single line. For the other accessories, refer to the power levels defined in the catalogue.		
Insulation class	Class II (the structure must not be earthed) for standard configuration modules (blade movement and Spot White lights and with RYB). Class I (the structure must be earthed) with side awnings or heaters).		
Connection mode	by IP68 Male/female connector.		
Power cable (supplied by the customer)	YOU NEED a double insulated cable. Provide a cable: H07RN-F type with minimum formation dependent on power		
For max power:	up to 2 kW	up to 3 kW	up to 5 kW
Up to 30 m	3G 1,5 mm <sup>2</sup>	3G 2,5 mm <sup>2</sup>	3G 4,0 mm <sup>2</sup>
Up to 50 m	3G 2,5 mm <sup>2</sup>	3G 4,0 mm <sup>2</sup>	3G 10,0 mm <sup>2</sup>
Upstream protection (supplied by the customer)	Magnetothermal switch and differential switch with intervention current 0,03 A. Type of differential protection: A (**).		
For max power:	up to 2 kW	up to 3 kW	up to 5 kW
Magnetothermal switch features:	2 10A poles Curve C	2 16A poles Curve C	2 25A poles Curve C
Protection against overvoltage	None (provide the electric board with a suitable SPD protection system).		
Operating temperature	-20°C / +55°C		
Degree of protection	IP 54		

(\*): Or different depending on the place of installation.

(\*\*): If there is more than one output line from the pergola, each single line must be protected.

In the case of antifreeze system, the differential must have an intervention current of 0.01A (dedicated line).  
In case of Schuko socket, the differential must be of the AC type and the intervention current of 0.03A.



**IMPORTANT:** The instructions specific for engines and controls are supplied upon delivery of the Bioclimatic Pergola. These instructions must be read, annexed to this manual and keep in good condition for any subsequent consultation.

### 3.3 ELECTRONIC COMPONENTS OF THE AWNING (OPTIONAL)

Upon optional request the Bioclimatic Pergola can be managed electronically **in its functions with control of the weather conditions**. In this case, the Bioclimatic Pergola can be fitted with additional electronic sensors for wind, rain, temperature, and snow (see paragraph 2.3 and 2.4). **The type of electronic component used on the Pergola is indicated in the product chart.**



**CAUTION:** Never set the wind speed above the wind resistance of the awning itself (maximum threshold recommended for MOVIE brise soleil blades: 60 km/h).



**IMPORTANT:** The installation and maintenance instructions of the control units and sensors are attached to the control unit packages, which are delivered along with the Bioclimatic Pergola or placed in the accessory box. These instructions must be read, annexed to this manual and keep in good condition for any subsequent consultation.

### 3.4 NOISE LEVEL

The measured noise (sound pressure level) was less than 55 dB (A).

## CHAPTER 4: TECHNICAL DATA

### 4.1 TYPE

#### MOVIE ISLAND (Basic Module)

---



**With 4 legs:**

Width up to 400 cm  
Projection up to 488 cm

**With 6 legs:**

Width up to 400 cm  
Projection up to 608 cm

#### MOVIE FRONTAL LEANING VERSION (Basic Module)

---

Tubular motor parallel to the wall



**With 2 legs:**

Width up to 400 cm  
Projection up to 488 cm

**With 4 legs:**

Width up to 400 cm  
Projection up to 608 cm

#### MOVIE LATERAL LEANING VERSION (Basic Module)

---

Tubular motor perpendicular to the wall



**With 2 legs:**

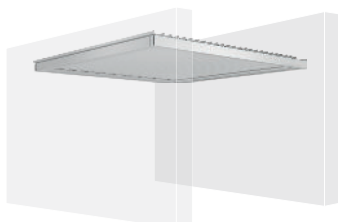
Projection up to 400 cm  
Width up to 488 cm

**With 3 legs:**

Projection up to 400 cm  
Width up to 608 cm

#### MOVIE WALL (Basic Module)

---



**With 4 wall attachments:**

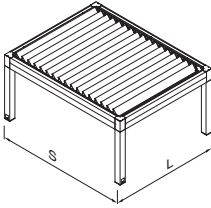
Width up to 400 cm  
Projection up to 488 cm

**With 6 wall attachments:**

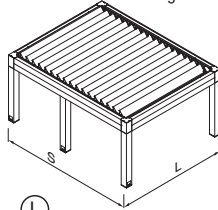
Width up to 400 cm  
Projection up to 608 cm

**4.2 MOVIE ISLAND**

4 legs



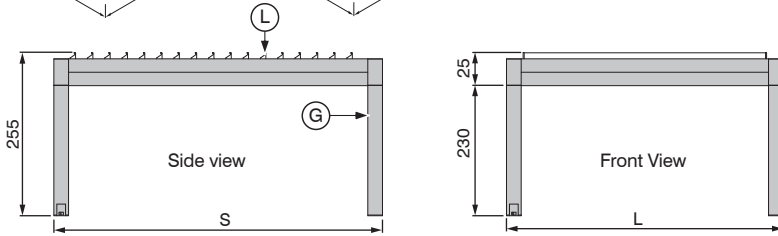
6 legs



ISLAND - SINGLE MODULE

4 LEGS max. L x S 4.00 x 4.88 m

6 LEGS max. L x S 4.00 x 6.08 m



		WIDTH "L" (cm)										1 Module	
		175	200	225	250	275	300	325	350	375	400	G	L
		kg										n°	n°
PROJECTION "S" (cm)	128	106	111	117	123	129	135	141	147	153	159	4	7
	143	111	117	123	130	136	142	149	155	162	168		8
	158	116	123	129	136	143	150	157	164	170	177		9
	173	121	128	135	143	150	157	165	172	179	187		10
	188	126	134	141	149	157	165	173	180	188	196		11
	203	131	139	148	156	164	172	181	189	197	205		12
	218	136	145	154	162	171	180	188	197	206	215		13
	233	141	150	160	169	178	187	196	206	215	224		14
	248	146	156	166	175	185	195	204	214	224	233		15
	263	151	162	172	182	192	202	212	222	232	243		16
	278	157	167	178	188	199	210	220	231	241	252		17
	293	162	173	184	195	206	217	228	239	250	261		18
	308	167	178	190	201	213	224	236	248	259	271		19
	323	172	184	196	208	220	232	244	256	268	280		20
	338	177	189	202	214	227	239	252	264	277	289		21
	353	182	195	208	221	234	247	260	273	286	299		22
	368	187	201	214	227	241	254	268	281	295	308		23
	383	192	206	220	234	248	262	276	289	303	317		24
	398	197	212	226	240	255	269	284	298	312	327		25
	413	202	217	232	247	262	277	291	306	321	336	26	
	428	208	223	238	253	269	284	299	315	330	345	27	
	443	214	230	245	261	277	293	309	324	340	356	28	
	458	219	235	251	268	284	300	316	333	349	365	29	
	473	224	241	258	274	291	308	324	341	358	374	30	
	488	229	246	264	281	298	315	332	349	367	384	31	
	503	252	270	288	305	323	341	358	376	393	411	32	
	518	257	276	294	312	330	348	366	384	402	420	33	
	533	262	281	300	318	337	355	374	393	411	430	34	
548	268	287	306	325	344	363	382	401	420	439	35		
563	273	292	312	331	351	370	390	409	429	448	36		
578	278	298	318	338	358	378	398	418	438	458	37		
593	283	303	324	344	365	385	406	426	447	467	38		
608	288	309	330	351	372	393	414	435	456	476	39		

Legend:

kg = Total pergola weight including the supporting structure and brise soleil blades.

G = Legs.

L = Brise soleil blades.

**i** **IMPORTANT:** For each size the load shown in the table is still greater or equal than the one provided by Class 3 - UNI EN 13561 / UNI EN 1932 (nominal load continuously distributed on the extended surface equal to approximately 13,5 [kg/m<sup>2</sup>] or 132 [N/m<sup>2</sup>]).

Indicative Maximum vertical load [kg/m <sup>2</sup> ]								
"S"	"L"	G	L	Without Integrated ZIP Screens				
				200	250	300	350	400
128	4	7	745	361	221	201	177	
173		10	649	295	184	187	177	
218		13	550	246	161	176	173	
263		16	452	211	149	167	164	
308		19	361	186	143	157	151	
353		22	281	168	140	146	135	
398		25	218	154	135	132	117	
443		28	176	141	125	114	98	
488		31	160	127	105	91	77	
503		6	33	590	397	255	164	126
548			35	541	382	221	157	123
593			38	484	366	217	157	121
608	39		470	362	217	157	120	

Snow load without wind [kg/m <sup>2</sup> ]								
"S"	"L"	G	L	Without Integrated ZIP Screens				
				200	250	300	350	400
128	4	7	285	236	193	154	117	
173		10	233	197	165	138	113	
218		13	194	166	143	123	106	
263		16	165	143	125	110	97	
308		19	145	125	110	97	87	
353		22	130	112	98	86	77	
398		25	120	102	87	75	66	
443		28	110	93	78	66	57	
488		31	100	83	69	58	50	
503		6	33	300	216	162	116	86
548			35	291	216	162	116	73
593			38	265	203	141	100	55
608	39		254	191	133	100	50	

**i** The values reported in the table on the right, show the snow load resistance when there is no wind. The pergola structure and cover are designed and certified to resist a deposited snow load (with no wind) that varies by size.

**In case of snow, it is advised to the blades must be placed vertically (open) before the snow settles on them. Do not stand under the pergola if any snow has deposited on it.**

LEGEND - "BEAUFORT" WIND SCALE						
GRADE 12	GRADE 11	GRADE 10	GRADE 9	GRADE 8	GRADE 7	GRADE 6
Hurricane Force	Violent storm	Storm	Strong gale	Gale	High wind	Strong breeze

Wind Resistance [kg/m <sup>2</sup> ]								
"S"	"L"	G	L	Without Integrated ZIP Screens				
				200	250	300	350	400
128	4	7	123	99	81	66	52	
173		10	107	89	71	55	42	
218		13	94	80	64	49	36	
263		16	84	73	59	45	34	
308		19	76	66	55	44	34	
353		22	69	59	51	43	35	
398		25	63	52	46	41	35	
443		28	56	45	40	37	32	
488		31	48	38	32	29	26	
503		6	33	74	63	53	44	35
548			35	65	58	49	42	34
593			38	61	54	48	42	33
608	39		61	54	47	42	33	

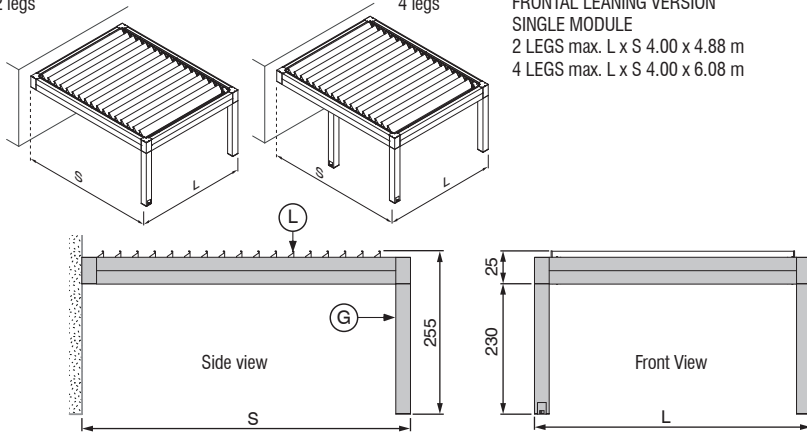
Wind Resistance [kg/m <sup>2</sup> ]								
"S"	"L"	G	L	Integrated ZIP Screens closed or semi-closed on 2 or 4 sides				
				200	250	300	350	400
128	4	7	73	52	40	36	34	
173		10	62	46	38	32	32	
218		13	53	42	35	29	29	
263		16	46	40	33	28	28	
308		19	41	38	27	22	25	
353		22	36	31	26	21	21	
398		25	33	28	20	18	18	
443		28	30	24	20	17	17	
488		31	26	22	20	16	16	
503		6	33	44	39	30	25	25
548			35	38	36	28	24	23
593			38	31	30	24	21	20
608	39		29	27	22	21	20	

**4.3 MOVIE FRONTAL LEANING VERSION**

2 legs

4 legs

**FRONTAL LEANING VERSION  
SINGLE MODULE**  
2 LEGS max. L x S 4.00 x 4.88 m  
4 LEGS max. L x S 4.00 x 6.08 m



		WIDTH "L" (cm)										1 Module	
		175	200	225	250	275	300	325	350	375	400	G	L
		kg										n°	n°
PROJECTION "S" (cm)	128	89	95	101	107	113	119	125	131	137	143	2	7
	143	94	100	107	113	120	126	132	139	145	152		8
	158	99	106	113	120	127	133	140	147	154	161		9
	173	104	111	119	126	134	141	148	156	163	171		10
	188	109	117	125	133	140	148	156	164	172	180		11
	203	114	122	131	139	147	156	164	173	181	189		12
	218	119	128	137	146	154	163	172	181	190	199		13
	233	124	134	143	152	161	171	180	189	199	208		14
	248	129	139	149	159	168	178	188	198	207	217		15
	263	134	145	155	165	175	186	196	206	216	227		16
	278	140	150	161	172	182	193	204	215	225	236	17	
	293	145	156	167	178	189	201	212	223	234	245	18	
	308	150	161	173	185	196	208	220	231	243	255	19	
	323	155	167	179	191	203	215	228	240	252	264	20	
	338	160	173	185	198	210	223	235	248	261	273	21	
	353	165	178	191	204	217	230	243	256	270	283	22	
	368	170	184	197	211	224	238	251	265	278	292	23	
	383	175	189	203	217	231	245	259	273	287	301	24	
	398	180	195	209	224	238	253	267	282	296	311	25	
	413	185	200	215	230	245	260	275	290	305	320	26	
428	191	206	221	237	252	268	283	298	314	329	27		
443	197	213	229	245	260	276	292	308	324	340	28		
458	202	218	235	251	267	284	300	316	333	349	29		
473	207	224	241	258	274	291	308	325	342	358	30		
488	212	229	247	264	281	299	316	333	351	368	31		
503	235	253	271	289	306	324	342	360	377	395	32		
518	240	259	277	295	313	332	350	368	386	404	33		
533	246	264	283	302	320	339	358	376	395	414	34		
548	251	270	289	308	327	346	366	385	404	423	35		
563	256	275	295	315	334	354	374	393	413	432	36		
578	261	281	301	321	341	361	381	402	422	442	37		
593	266	286	307	328	348	369	389	410	431	451	38		
608	271	292	313	334	355	376	397	418	439	460	39		

Legend:

kg = Total pergola weight including the supporting structure and brise soleil blades.

G = Legs.

L = Brise soleil blades.

**i** **IMPORTANT:** For each size the load shown in the table is still greater or equal than the one provided by Class 3 - UNI EN 13561 / UNI EN 1932 (nominal load continuously distributed on the extended surface equal to approximately 13,5 [kg/m<sup>2</sup>] or 132 [N/m<sup>2</sup>]).

Indicative Maximum vertical load [kg/m <sup>2</sup> ]								
"S"	"L"	G	L	Without Integrated ZIP Screens				
				200	250	300	350	400
128	2	7	745	361	221	201	177	
173		10	649	295	184	187	177	
218		13	550	246	161	176	173	
263		16	452	211	149	167	164	
308		19	361	186	143	157	151	
353		22	281	168	140	146	135	
398		25	218	154	135	132	117	
443		28	176	141	125	114	98	
488		31	160	127	105	91	77	
503		4	33	590	397	255	164	126
548			35	541	382	221	157	123
593			38	484	366	217	157	121
608	39		470	362	217	157	120	

Snow load without wind [kg/m <sup>2</sup> ]								
"S"	"L"	G	L	Without Integrated ZIP Screens				
				200	250	300	350	400
128	2	7	285	236	193	154	117	
173		10	233	197	165	138	113	
218		13	194	166	143	123	106	
263		16	165	143	125	110	97	
308		19	145	125	110	97	87	
353		22	130	112	98	86	77	
398		25	120	102	87	75	66	
443		28	110	93	78	66	57	
488		31	100	83	69	58	50	
503		4	33	300	216	162	116	86
548			35	291	216	162	116	73
593			38	265	203	141	100	55
608	39		254	191	133	100	50	

**i** The values reported in the table on the right, show the snow load resistance when there is no wind. The pergola structure and cover are designed and certified to resist a deposited snow load (with no wind) that varies by size.

**In case of snow, it is advised to the blades must be placed vertically (open) before the snow settles on them. Do not stand under the pergola if any snow has deposited on it.**

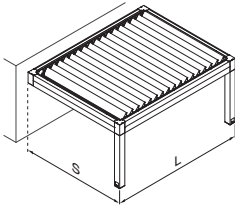
LEGEND - "BEAUFORT" WIND SCALE						
GRADE 12	GRADE 11	GRADE 10	GRADE 9	GRADE 8	GRADE 7	GRADE 6
Hurricane Force	Violent storm	Storm	Strong gale	Gale	High wind	Strong breeze

Wind Resistance [kg/m <sup>2</sup> ]								
"S"	"L"	G	L	Without Integrated ZIP Screens				
				200	250	300	350	400
128	2	7	123	99	81	66	52	
173		10	107	89	71	55	42	
218		13	94	80	64	49	36	
263		16	84	73	59	45	34	
308		19	76	66	55	44	34	
353		22	69	59	51	43	35	
398		25	63	52	46	41	35	
443		28	56	45	40	37	32	
488		31	48	38	32	29	25	
503		4	33	74	63	53	44	34
548			35	65	58	50	42	33
593			38	61	54	48	40	28
608	39		61	54	47	40	25	

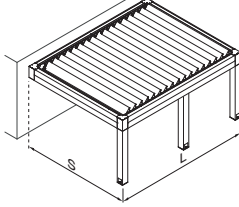
Wind Resistance [kg/m <sup>2</sup> ]								
"S"	"L"	G	L	Integrated ZIP Screens closed or semi-closed on 2 or 4 sides				
				200	250	300	350	400
128	2	7	97	56	51	43	34	
173		10	74	46	44	37	30	
218		13	58	39	37	32	27	
263		16	48	33	32	29	24	
308		19	41	29	28	25	21	
353		22	37	27	25	22	19	
398		25	34	24	23	20	17	
443		28	30	22	21	18	16	
488		31	25	20	19	16	15	
503		4	33	49	41	35	31	28
548			35	40	35	31	29	27
593			38	33	31	27	26	21
608	39		31	32	24	25	20	

**4.4 MOVIE LATERAL LEANING VERSION**

2 legs



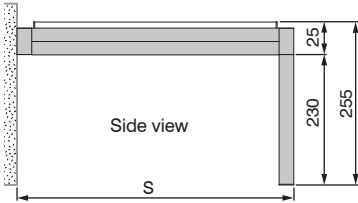
3 legs



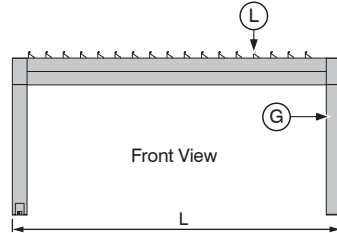
LATERAL LEANING VERSION  
SINGLE MODULE

2 LEGS max. S x L 4.00 x 4.88 m

3 LEGS max. S x L 4.00 x 6.08 m



Side view



Front view

		PROJECTION "S" (cm)										1 Module	
		175	200	225	250	275	300	325	350	375	400	G	L
		kg										n°	n°
WIDTH "L" (cm)	128	88	94	100	106	112	118	124	130	136	141	2	7
	143	93	100	106	113	119	125	132	138	144	151		8
	158	99	105	112	119	126	133	140	147	153	160		9
	173	104	111	118	126	133	140	148	155	162	170		10
	188	109	117	125	132	140	148	156	163	171	179		11
	203	114	122	131	139	147	155	164	172	180	188		12
	218	119	128	137	145	154	163	172	180	189	198		13
	233	124	134	143	152	161	170	180	189	198	207		14
	248	130	139	149	159	168	178	188	197	207	217		15
	263	135	145	155	165	175	185	196	206	216	226		16
	278	140	151	161	172	182	193	204	214	225	235	17	
	293	145	156	167	178	189	201	212	223	234	245	18	
	308	150	162	173	185	196	208	220	231	243	254	19	
	323	155	168	180	192	204	216	228	240	252	264	20	
	338	161	173	186	198	211	223	236	248	261	273	21	
	353	166	179	192	205	218	231	244	256	269	282	22	
	368	171	184	198	211	225	238	252	265	278	292	23	
	383	176	190	204	218	232	246	260	273	287	301	24	
	398	181	196	210	224	239	253	267	282	296	311	25	
	413	187	201	216	231	246	261	275	290	305	320	26	
428	192	207	222	238	253	268	283	299	314	329	27		
443	198	214	230	245	261	277	293	308	324	340	28		
458	203	219	236	252	268	284	301	317	333	349	29		
473	208	225	242	259	275	292	309	325	342	359	30		
488	214	231	248	265	282	299	317	334	351	368	31		
503	228	245	263	281	298	316	334	351	369	387	32		
518	233	251	269	287	305	324	342	360	378	396	33		
533	238	257	275	294	312	331	350	368	387	405	34		
548	243	262	281	300	319	339	358	377	396	415	35		
563	248	268	287	307	327	346	366	385	405	424	36		
578	254	274	294	314	334	354	374	394	414	434	37		
593	259	279	300	320	341	361	382	402	423	443	38		
608	264	285	306	327	348	369	390	411	431	452	39		

Legend:

kg = Total pergola weight including the supporting structure and brise soleil blades.

G = Legs.

L = Brise soleil blades.



**i** **IMPORTANT:** For each size the load shown in the table is still greater or equal than the one provided by Class 3 - UNI EN 13561 / UNI EN 1932 (nominal load continuously distributed on the extended surface equal to approximately 13,5 [kg/m<sup>2</sup>] or 132 [N/m<sup>2</sup>]).

Indicative Maximum vertical load [kg/m <sup>2</sup> ]							
"S" "L"	G	L	Wind Resistance [kg/m <sup>2</sup> ]				
			200	250	300	350	400
128	2	7	745	361	221	201	177
173		10	649	295	184	187	177
218		13	550	246	161	176	173
263		16	452	211	149	167	164
308		19	361	186	143	157	151
353		22	281	168	140	146	135
398		25	218	154	135	132	117
443		28	176	141	125	114	98
488		31	160	127	105	91	77
503		3	33	590	397	255	164
548	35		541	382	221	157	123
593	38		484	366	217	157	121
608	39		470	362	217	157	120

Snow load without wind [kg/m <sup>2</sup> ]							
"S" "L"	G	L	Snow load without wind [kg/m <sup>2</sup> ]				
			200	250	300	350	400
128	2	7	285	236	193	154	117
173		10	233	197	165	138	113
218		13	194	166	143	123	106
263		16	165	143	125	110	97
308		19	145	125	110	97	87
353		22	130	112	98	86	77
398		25	120	102	87	75	66
443		28	110	93	78	66	57
488		31	100	83	69	58	50
503		3	33	300	216	162	116
548	35		291	216	162	116	73
593	38		265	203	141	100	55
608	39		254	191	133	100	50

**i** The values reported in the table on the right, show the snow load resistance when there is no wind. The pergola structure and cover are designed and certified to resist a deposited snow load (with no wind) that varies by size.

**In case of snow, it is advised to the blades must be placed vertically (open) before the snow settles on them. Do not stand under the pergola if any snow has deposited on it.**

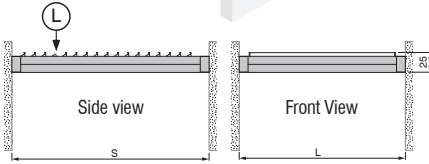
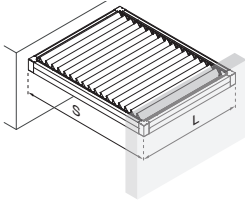
LEGEND - "BEAUFORT" WIND SCALE						
GRADE 12	GRADE 11	GRADE 10	GRADE 9	GRADE 8	GRADE 7	GRADE 6
Hurricane Force	Violent storm	Storm	Strong gale	Gale	High wind	Strong breeze

Wind Resistance [kg/m <sup>2</sup> ] Without Integrated ZIP Screens							
"S" "L"	G	L	Wind Resistance [kg/m <sup>2</sup> ]				
			200	250	300	350	400
128	2	7	94	62	46	46	45
173		10	84	58	43	41	37
218		13	77	54	41	38	32
263		16	73	51	39	36	29
308		19	70	48	37	34	29
353		22	67	45	35	33	28
398		25	64	43	33	32	28
443		28	58	40	31	29	27
488		31	50	37	29	26	24
503		3	33	43	40	37	35
548	35		37	37	33	32	27
593	38		33	35	31	30	24
608	39		33	34	31	27	18

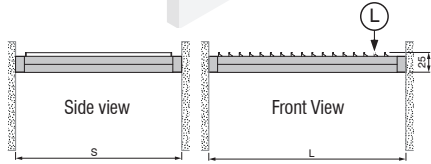
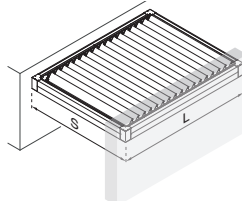
Wind Resistance [kg/m <sup>2</sup> ] Integrated ZIP Screens closed or semi-closed on 2 or 4 sides							
"S" "L"	G	L	Wind Resistance [kg/m <sup>2</sup> ]				
			200	250	300	350	400
128	2	7	76	50	38	39	39
173		10	62	43	34	33	33
218		13	51	37	30	28	28
263		16	45	32	26	24	22
308		19	40	29	23	21	19
353		22	37	26	20	19	17
398		25	35	23	18	17	16
443		28	33	21	16	15	15
488		31	30	20	15	15	15
503		3	33	30	27	25	24
548	35		24	25	24	23	20
593	38		20	20	19	19	18
608	39		20	20	19	19	18

**4.5 MOVIE WALL**

**FRONTAL LEANING VERSION**  
(4/6 wall attachments)



**LATERAL LEANING VERSION**  
(4/6 wall attachments)



		WIDTH "L" (cm)										1 Module	
		175	200	225	250	275	300	325	350	375	400	AP	L
		kg										n°	n°
PROJECTION "S" (cm)	128	106	111	117	123	129	135	141	147	153	159	4	7
	143	111	117	123	130	136	142	149	155	162	168		8
	158	116	123	129	136	143	150	157	164	170	177		9
	173	121	128	135	143	150	157	165	172	179	187		10
	188	126	134	141	149	157	165	173	180	188	196		11
	203	131	139	148	156	164	172	181	189	197	205		12
	218	136	145	154	162	171	180	188	197	206	215		13
	233	141	150	160	169	178	187	196	206	215	224		14
	248	146	156	166	175	185	195	204	214	224	233		15
	263	151	162	172	182	192	202	212	222	232	243		16
	278	157	167	178	188	199	210	220	231	241	252		17
	293	162	173	184	195	206	217	228	239	250	261		18
	308	167	178	190	201	213	224	236	248	259	271	19	
	323	172	184	196	208	220	232	244	256	268	280	20	
	338	177	189	202	214	227	239	252	264	277	289	21	
	353	182	195	208	221	234	247	260	273	286	299	22	
	368	187	201	214	227	241	254	268	281	295	308	23	
	383	192	206	220	234	248	262	276	289	303	317	24	
	398	197	212	226	240	255	269	284	298	312	327	25	
	413	202	217	232	247	262	277	291	306	321	336	26	
	428	208	223	238	253	269	284	299	315	330	345	27	
	443	214	230	245	261	277	293	309	324	340	356	28	
	458	219	235	251	268	284	300	316	333	349	365	29	
	473	224	241	258	274	291	308	324	341	358	374	30	
488	229	246	264	281	298	315	332	349	367	384	31		
503	252	270	288	305	323	341	358	376	393	411	32		
518	257	276	294	312	330	348	366	384	402	420	33		
533	262	281	300	318	337	355	374	393	411	430	34		
548	268	287	306	325	344	363	382	401	420	439	35		
563	273	292	312	331	351	370	390	409	429	448	36		
578	278	298	318	338	358	378	398	418	438	458	37		
593	283	303	324	344	365	385	406	426	447	467	38		
608	288	309	330	351	372	393	414	435	456	476	39		

Legend:

kg = Total pergola weight including the supporting structure and brise soleil blades.

AP = Wall fixing.

L = Brise soleil blades.

**i** **IMPORTANT:** For each size the load shown in the table is still greater or equal than the one provided by Class 3 - UNI EN 13561 / UNI EN 1932 (nominal load continuously distributed on the extended surface equal to approximately 13,5 [kg/m<sup>2</sup>] or 132 [N/m<sup>2</sup>]).

Indicative Maximum vertical load [kg/m <sup>2</sup> ]							
"L" "S"	AP	L	200	250	300	350	400
128	4	7	745	361	221	201	177
173		10	649	295	184	187	177
218		13	550	246	161	176	173
263		16	452	211	149	167	164
308		19	361	186	143	157	151
353		22	281	168	140	146	135
398		25	218	154	135	132	117
443		28	176	141	125	114	98
488		31	160	127	105	91	77
503		6	33	590	397	255	164
548	35		541	382	221	157	123
593	38		484	366	217	157	121
608	39		470	362	217	157	120

Snow load without wind [kg/m <sup>2</sup> ]							
"L" "S"	AP	L	200	250	300	350	400
128	4	7	343	284	232	185	141
173		10	281	237	199	166	136
218		13	234	200	172	149	128
263		16	199	172	150	132	117
308		19	175	151	132	117	105
353		22	157	135	118	103	92
398		25	144	123	105	91	80
443		28	133	112	94	80	69
488		31	121	101	84	70	60
503		6	33	362	260	195	140
548	35		351	260	195	140	87
593	38		320	245	170	120	66
608	39		305	230	160	120	60

**i** The values reported in the table on the right, show the snow load resistance when there is no wind. The pergola structure and cover are designed and certified to resist a deposited snow load (with no wind) that varies by size.

**In case of snow, it is advised to the blades must be placed vertically (open) before the snow settles on them. Do not stand under the pergola if any snow has deposited on it.**

LEGEND - "BEAUFORT" WIND SCALE						
GRADE 12	GRADE 11	GRADE 10	GRADE 9	GRADE 8	GRADE 7	GRADE 6
Hurricane Force	Violent storm	Storm	Strong gale	Gale	High wind	Strong breeze

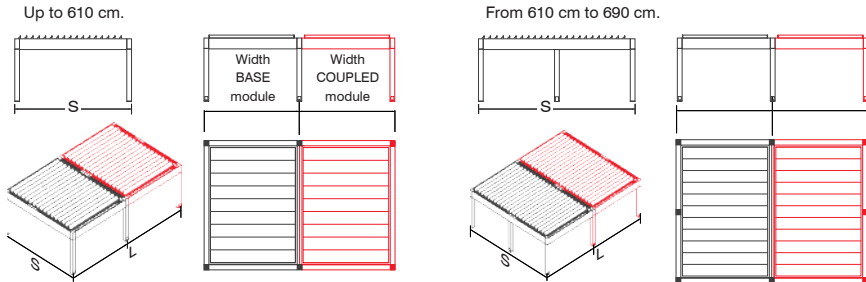
Wind Resistance [kg/m <sup>2</sup> ] Without Integrated ZIP Screens							
"L" "S"	AP	L	200	250	300	350	400
128	4	7	188	118	93	85	63
173		10	178	103	70	59	46
218		13	161	91	59	46	38
263		16	140	83	54	42	35
308		19	117	76	54	44	35
353		22	94	69	55	46	37
398		25	74	61	53	46	37
443		28	59	50	45	40	33
488		31	48	38	32	29	26
503		6	33	143	97	62	44
548	35		118	86	62	44	33
593	38		102	71	51	42	30
608	39		94	69	51	42	30

## 4.6 COUPLING MODULE

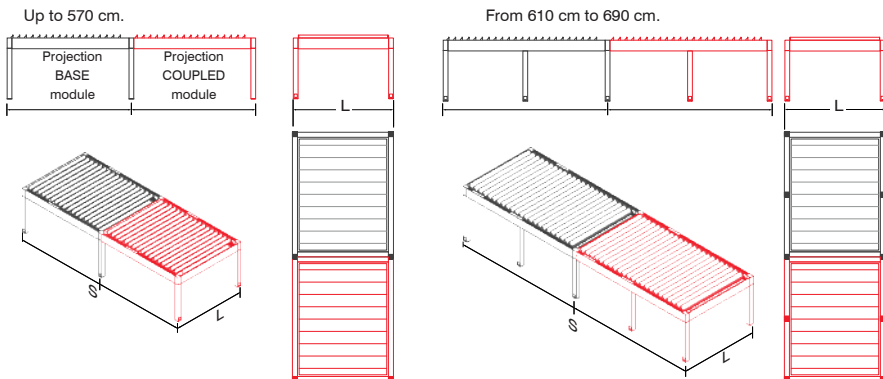
The coupling module enables multiplying the number of spans on the pergola, to form a continuous pergola. The coupled modules share the intermediate uprights.

The coupling units can be placed laterally or head on to the basic module; it is possible to couple one or more modules. The drawings shown below are just an example.

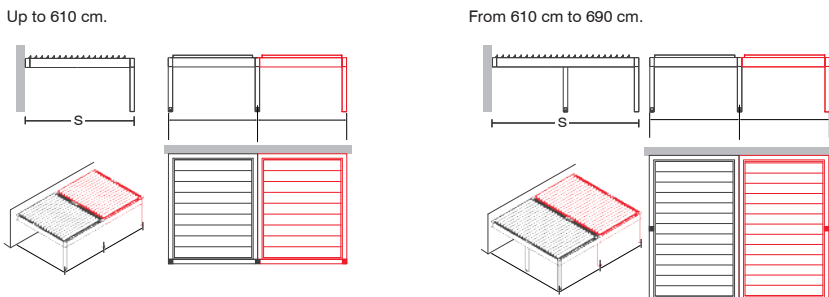
### MOVIE ISLAND WITH COUPLING MODULE TYPE 1 COUPLING



### MOVIE ISLAND WITH COUPLING MODULE TYPE 2 COUPLING

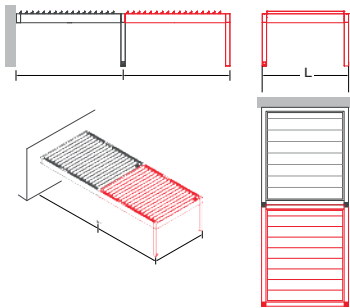


### MOVIE FRONTAL LEANING VERSION WITH COUPLING MODULE TYPE 1 COUPLING

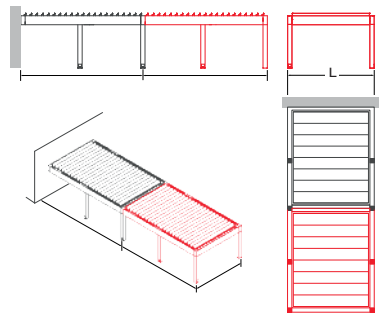


**MOVIE FRONTAL LEANING VERSION WITH COUPLING MODULE TYPE 2 COUPLING**

Up to 610 cm.

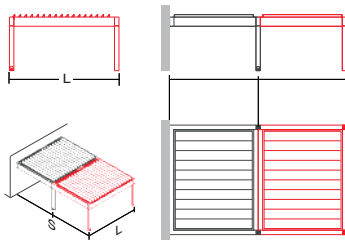


From 610 cm to 690 cm.

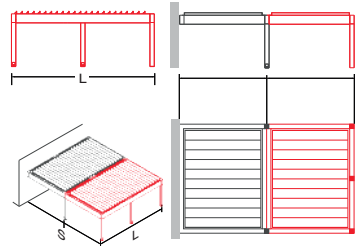


**MOVIE LATERAL LEANING VERSION WITH COUPLING MODULE TYPE 1 COUPLING**

Up to 610 cm.

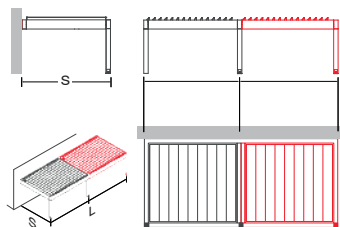


From 610 cm to 690 cm.

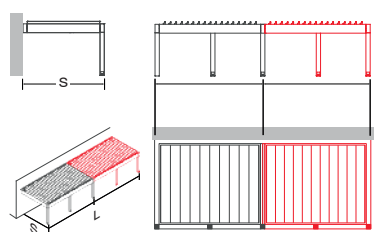


**MOVIE LATERAL LEANING VERSION WITH COUPLING MODULE TYPE 2 COUPLING**

Up to 610 cm.



From 610 cm to 690 cm.



## CHAPTER 5: PACKING, HANDLING AND TRANSPORTATION

The Bioclimatic Pergola is packed with Nylon film and polystyrene in double walled corrugated cardboard boxes with reinforced corners to protect the product and lock the parts in place during transport. The components are packed in several parcels given the size and weight of the product (see technical table Chap. 4). The weight of each package can be high, the result is the need for manual handling in two or more persons whenever the weight exceeds 25 kg.

**In order to facilitate transport by operators, check the weight of the Pergola depending on its size shown in the technical table on Chapter 4.**

Product integrity must be preserved until delivery to the end customer.

For transportation to the customer's premises by the Retailer and / or Manufacturer, it is required prevent scratches to the structure Damage to the product caused by the dismantling of the awning and subsequent handling and / or transportation performed after installation, are not covered by warranty. To avoid hazardous situations observe the following safety requirements:



**ATTENTION:** Due to the size and weight of the Pergola and of each individual packaging, make sure that for handling a sufficient number of people is available, so that the weight to be loaded by each person is not more than 25 kg in the case of manual handling (in this regard, check the weight of the Pergola depending on its size in the technical tables on Chapter 4).



**CAUTION:** Do not store packages in an upright position, or leave them unattended in the area of installation if the Pergola is not yet installed; avoid leaving them unattended in the presence of children. Do not store the pergola in all or part of its packaging, outside in the case of bad weather (rain).



**ATTENTION:** Keep out of reach of children packaging materials, they can be a source of danger to them. In particular, the Nylon film with "bubble barrier effect" could be used so as to cause suffocation.



**WARNING:** If the Pergola is to be mounted on a higher surface than the ground, it is necessary to define and supervise the area during the ascent to the awning, so that no one stands at any time under the suspended load. Securely fasten the packages of the awning in order to prevent it from falling.



**IMPORTANT:** unpack using scissors with rounded tips in order not to damage aluminium painting, do not use cutters. The packaging material should be disposed of or recycled in accordance with the regulations in force in the Country of destination of the product.

## CHAPTER 6: SAFE INSTALLATION

**i** **IMPORTANT:** The installation must be performed in full compliance with the installation instructions and safety rules in force in mobile sites. Be especially careful when working at height.

The installation isn't usually performed directly by staff from **Gibus S.p.A.** but by installers appointed by the authorized dealer, buyer or customer. The client is responsible under the law to entrust the installation to an expert staff, complying to the installation rules listed in this manual. In particular follow the "Instructions for proper installation" in Chapter 7. At the time of installation arrange all the tools mentioned on the first pages of the "Installation Instructions - MOVIE line". If installers are more than one, it is necessary to appoint an operations co-ordinator.



**WARNING:** Before use, check that the staging, scaffoldings, ladders and all personal protective equipment, especially when working at height (harnesses, safety belts, etc.), comply with the requirements of the current law on safety and are all in good conditions.



**Operators must act in accordance with the safety instructions received. Use suitable sling devices and provided PPE.**

### 6.1 MECHANICAL STRUCTURE



**WARNING:** Improper installation can result in bodily injury. Read and carefully follow the installation instructions (provided with this manual) to properly secure the structure, so avoiding any risk of falls. At the time of installation arrange all the tools mentioned on the first pages of the "Installation Instructions - MOVIE line".



**WARNING:** Check the status of the structure's housing and fixing site before installing and anchoring the structure to the floor and wall plates.



**WARNING:** If during installation any structural failures of the seat is noticed (the absence of the requirements for anchors fixing or other) the installers are required to provide evidence of this condition to the customer and notify the failure of the housing site in the section "Installation Notes" on paragraph 14 of this manual. If the minimum requirements are not satisfied, use other technical solutions, such as preparing a suitable foundation plinth for each floor plate or use internal counter-brackets or chemical expansion bolts until the wall is suitable for the installation.



**WARNING:** the choice of anchors depends on the type and condition of the housing site.

The instructions on the installation are described in annex "Installation Instructions".

## 6.2 ELECTRICAL CONNECTIONS



**WARNING:** all electrical connections must be made only by professionally qualified and trained staff, with the power supply cut off (disconnected) and in accordance with the regulations in force. The product needs a 230V/50Hz power supply. The power pack on the bioclimatic pergolas has Class II electric insulation level for standard configuration modules: Blade movement and Spot White lights and RYB. **Therefore the structure must not be earthed.** However there is Class I electric insulation when the optionals and accessories are installed: side drop awnings, antifreeze system or heaters. In this case (Class I) **the structure must be earthed.**



**WARNING:** the vertical side awnings have tubular motors with electrical insulation levels lower than class II. The bioclimatic pergola must be grounded according to the diagram shown in the Installation Instructions.



**WARNING:** even if there are accessories and parts powered at 230V/50Hz with an electrical insulation level lower than class II (for example antifreeze system or snowmelt system or heaters applied directly to the pergola), the bioclimatic pergola must be grounded according to the diagram shown in the Installation Instructions.

The final implementation of the electrical system must be strictly carried out by a qualified electrician. Also the technical choices carried out to implement the electrical connections fall within his competence. Below are the guidelines that should be carefully considered by the installer who will be charged with the costs of such operating decisions.

**Instructions for qualified electrical installers:**



**IMPORTANT:** The electrical system must be carried out according to EN 60335-1 and 2 or subsequent, in force at the time of installation. The degree of protection of the electrical must be **at least IP55. Install an upstream electrical switch suitable to 230V/50Hz with magnetothermal and differential functions and the features indicated in the table in paragraph 3.2.**



**WARNING:** The switch shall have at least an **IP54** degree of protection if mounted outside the area accessible to third parties, the degree of protection can be **IP40** if the switch is mounted inside or in areas not accessible to third parties. The switch must be fixed in a place from where the awning is visible, out of dangerous areas (moving parts) and at a height from the ground that complies with the regulations in force.



**IMPORTANT! Check that the mains voltage is 230 V - 50 Hz.** Standard equipment is meant to be connected to 230v/50Hz electrical mains; for the installation in countries with different features please specify the requirements when you place the order! **The electrical supply cable must be of double insulation type. Provide a cable with the features indicated in the table in paragraph 3.2.**



**WARNING:** if the Pergola is installed at a height from the walkable floor lowest than 2,30 m in its lowest travel point, **it is necessary to use the “man present” control.**

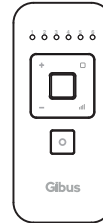


**IMPORTANT! The wiring diagrams and installation instructions for the use of electronic control units are annexed to the control units themselves and should accompany this manual along with the Installation Instructions and be carefully stored for subsequent consultations.**



### 6.3 RADIO CONTROL

The remote control has 6 channels for controlling the adjustable sun slats, lights, and motorized vertical screens. Rolling code programming, 868 MHz. Powered by a Lithium Battery type CR2032.



- i** The transmitter is already matched to the motor control unit for the Bioclimatic Pergola. The motor control unit is stored in the transmitter channel/group 1.

## CHAPTER 7: INSTRUCTIONS FOR PROPER INSTALLATION



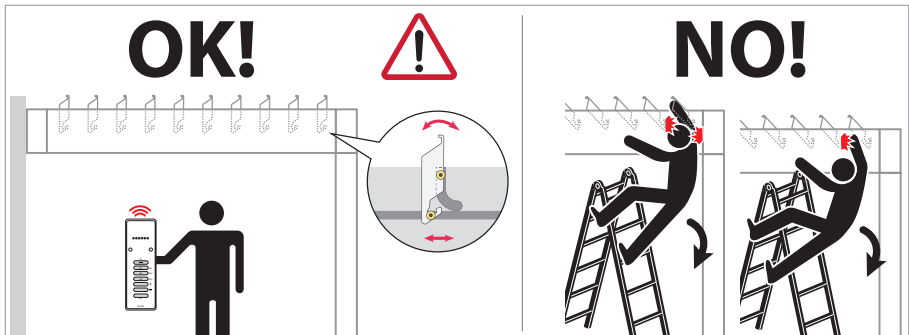
**WARNING:** the operations for installation and start-up must be performed only by professionally qualified and trained staff, in accordance with the regulations in force.



**IMPORTANT:** To properly set up the Pergola, follow the "Installation Instructions" attached to this manual and included in the accessory box or in another part of the package.



**WARNING:** the adjustment must be made under safe conditions. There is a residual risk of crushing/shearing and trapping your fingers, hands or head; therefore, position yourself outside of the dangerous area.  
In particular, in order to avoid the risk of crushing/shearing injuries, do not put any part of the body between the adjustable blades or between the adjustable blades and parts of the fixed housing structure (guttering, etc.). This is extremely important when blades are moving.



**CAUTION:** The installation includes always several motors with remote control. Follow the "Installation Instructions" attached to this manual or enclosed in the accessory box or part of the packaging.



**IMPORTANT:** after installation the declaration for proper installation must be compiled by the installer (Sec. 14 par. 1).

## CHAPTER 8: OPERATION AND USE OF THE PERGOLA



**WARNING FOR THE USER:** Pay attention to the signs placed in dangerous areas. Before operating the Pergola carefully read the Chap. 2 “SAFETY PRECAUTIONS” Use the Bioclimatic Pergola only as a protection against the sun, rain and for the purposes described in this manual (see chap. 2.1 “PURPOSE AND INTENDED USES OF THE PERGOLA”).



**WARNING:** Before operating the Bioclimatic pergola, check that there are no persons or objects that prevent the brise soleil blades from opening or closing (especially when snow is on the top of them). Make sure there is nothing between the adjustable blades and the side gutters and blades. There could be a residual risk of crushing or trapping fingers (see the figure in Chapter 7).



Follow the attached Installation Instructions to commission the pergola.

The method to manage the motors and the transmitter (radio control) have been already programmed at the factory. **After the electrical connection, match the limits as described in the Installation Instructions.**



**IMPORTANT!** the wind and rain sensors, if present, must be positioned while switched on. Set the thresholds according to the instructions given in the sensor boxes. For the other sensors, follow the specific installation instructions.

The bioclimatic pergola can be opened and closed using a portable or wall fixed remote control (see paragraph 6.3), the bioclimatic pergola must only be activated from a position that gives a full viewpoint of the blade movement.



**IMPORTANT!** The characteristics and operation of the drive systems are described in the manuals herein attached, related to the engine, to the automatism and commands required.

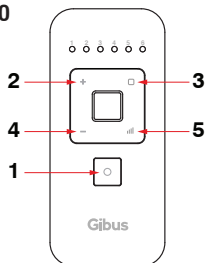
## 8.1 HOW TO USE THE TRANSMITTER

### USING THE ECO TRANSMITTER

1- Using the “circle” button, select the channel paired with the device you want to use.

2- Send the desired command with the , , , , buttons.

#### ECO



Button	Operation on the control unit for adjustable slats	Operation on the control unit for dimmable lights	Operation on the control unit for Up/Down/ Stop motors
1	Select channel (displayed on the LED screen)		
2	Up function	Dimmer up function	Up function
3	STOP function	Function On/Off press and hold = off)	STOP function
4	Down function	Dimmer down function	Down function
5	Partial opening function 25% / 50% / 75% / 100%	Intensity change 25% / 50% / 75% / 100%	3-second partial opening

### USE OF THE OBLÒ TRANSMITTER

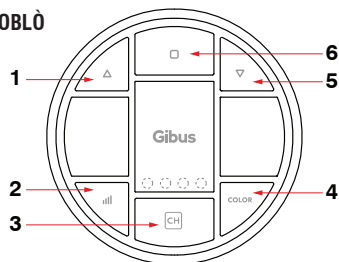
1- With the key, select the channel associated with the device you want to use.

2- Send the desired command with one of the following keys:

, , , , , **COLOR**.

3- The transmitter is on stand-by mode for 3 seconds and then it turns off.

#### OBLÒ



Button	Operation on the control unit for adjustable slats	Operation on the control unit for dimmable lights	Operation on the control unit for Up/Down/ Stop motors
1	Up function	Dimmer Up function	Up function
2	Partial opening function: 25% / 50% / 75% / 100%	Change intensity: 25% / 50% / 75% / 100%	Partial opening function: 25% / 50% / 75% / 100%
3	Channel selection from 1 to 6 (shown on the LEDs)		
4	Not used	Color change (on compatible control units)	Not used
5	Down function	Dimmer Down function	Down function
6	STOP function	Function On/Off press and hold = off)	STOP function

The Bioclimatic Pergola is recommended to be exposed to a maximum wind load equal to 170 Newton/m<sup>2</sup> corresponding to a continuous wind at a maximum speed of 60 Km/h according to the Beaufort scale. For safety reasons, it is advisable to partially open the blades before this limit is reached. If no sensor is installed, manually direct the blades if there is a strong wind.



**ATTENTION: never perform repeated opening and closing operations with the engine, this could cause the motor to overheat, which could block it, and make it impossible to perform the necessary movements (in the case of strong wind or snow).**

If the bioclimatic pergola's blades were closed and ice or snow have deposited on them, do not move the blades until all the snow has been removed or the ice has melted. Otherwise, the movements could be blocked and the components damaged.



**IMPORTANT! The operation with ice may damage the Bioclimatic Pergola! Do not operate the Bioclimatic Pergola before having first removed the snow and the ice formed.**



**IMPORTANT!: in the case of failures, turn to you dealer and if required only ask for Gibus original spare parts.**



**ATTENTION! In the case of fault or when searching for faults, respect the safety measures. In particular when searching for or repairing any faults to the electric components, there is the risk or fatal electric shock. only qualified electricians must carry out the maintenance to the electrical parts.**

## CHAPTER 9: MAINTENANCE

Operations of **installation and initial start-up, adjustment and obligatory maintenance** should be performed only by qualified technical personnel and specialized for such tasks. **Contact the Technical Service Department of your Gibus dealer.**

**i** **IMPORTANT:** it is compulsory to ask a Gibus technician for an extraordinary maintenance operation within the 2nd year from the installation of the pergola so that the warranty will also cover the 3rd year. A compulsory maintenance operation within the end of the 3rd year will extend the warranty to the 4th year and a compulsory maintenance in the 4th year will extend the warranty to the 5th year. If the maintenance operations are not carried out, the Gibus warranty will no longer be valid. Use original Gibus spare parts; otherwise, the warranty will be voided.

**Compulsory maintenance required by the end of the 2<sup>nd</sup> year** and the following maintenance operations for extending the warranty year after year must be carried out by a Gibus technician and must minimally include an **inspection of the correct blade movement, positioning of the endstops in opening and closing, making sure that the wind sensor is working if it is present and the conditions of the seals.**

Also check the recommendations in paragraph 9.2 titled "MAINTENANCE OF THE PERGOLA", and those in the "Product Maintenance Technical Sheet" available in the reserved area of the [www.gibus.it](http://www.gibus.it) site. Also, the operations reported in the following paragraphs must be carried out by the owner or by a specialist **paying attention to the following warnings:**



**ATTENTION:** The operations of routine or unscheduled maintenance must be carried out safely, after cutting the power supply off. Before resume operating the Pergola carefully read the chap. 2 "SAFETY PRECAUTIONS".



**ATTENTION:** pay attention to the safety directions given in Chapter 7 to avoid squeezing/cutting.



**CAUTION:** Cleaning with ladders, scaffolding or other is reserved for specialized personnel who must carry out the operations in accordance with current directives on safety and must use personal protective equipment such as safety harness with sling.

### 9.1 CLEANING THE BRISE SOLEIL BLADES

The brise soleil blades have to be opened to guarantee it works correctly and to maintain their attractive appearance by eliminating any dust or other materials that have deposited on them, thus delaying as much as possible the formation of permanent dirt. It is therefore advisable:

- **at least twice a year** (in spring before use during the summer season and in autumn before winter closure). Check the state of the blades, the guide grooves of the drive bar, the blade gutters and perimeter gutters. Remove any leaves, twigs, pines or anything else that may have deposited on them.
- **if necessary** clean the blades and the fabric by vacuuming the dust and using a damp sponge or cloth with lukewarm water and non-aggressive products.



- **non utilizzare solventi – ammoniaca – idrocarburi;**
  - **fare asciugare with the blades placed vertically dopo la pulizia.**
- In caso di dubbio rivolgersi al rivenditore.**

**9.2 MAINTENANCE OF THE PERGOLA**



**IMPORTANT: please open and close the awning periodically and check periodically the correct operation of the parts. Do not leave the product unused for long periods.**

In order to keep the product in perfect operating conditions and safe proceed as follows:

- **Yearly** (or after any extreme weather events):
  - visually inspect the bearing structure;
  - inspection of the tightening and the integrity of bolts and nuts, as well as screws. Make sure that the ground and the wall fixing devices are in perfect condition. Check the condition of the floor around the fixing devices (in particular, make sure that there are no cracks and that the screws are properly tightened);
  - make sure that the gutters along the perimeter and the gutters of the brise soleil blades are clear of leaves or other debris. Remove the elements that prevent water from flowing out and lubricate the moving parts with a drop of Teflon spray, if necessary.
  - check the operation of the remote controls, the sensors and the lighting installation. Check the efficiency of the grounding.
  - clean the surface, if it is necessary, to remove dirt and dust. Clean the surface with a paper rag and a wet sponge as explained in the previous paragraph.

**9.3 EXTRAORDINARY MAINTENANCE**

For extraordinary Maintenance within the 2nd year from installation and in subsequent years (mandatory for extending the warranty) follow the other regulations found in the “Product Maintenance Check List”.



PRODUCT MAINTENANCE CHECK LIST  
BIOClimATIC PERGOLA  
MOVIE

CUSTOMER		BIOCLIMATIC®	
Name:		Date:	
No.:		Technician signature: /	
1	GENERAL CHECKS: VISUAL GENERAL CHECKS		OK/NO
2	Check the correct operation of the awning (opening and closing) and the correct operation of the remote control.		
3	Check the correct operation of the awning (opening and closing) and the correct operation of the remote control.		
4	Check the correct operation of the awning (opening and closing) and the correct operation of the remote control.		
5	Check the correct operation of the awning (opening and closing) and the correct operation of the remote control.		
6	Check the correct operation of the awning (opening and closing) and the correct operation of the remote control.		
7	Check the correct operation of the awning (opening and closing) and the correct operation of the remote control.		
8	Check the correct operation of the awning (opening and closing) and the correct operation of the remote control.		
9	Check the correct operation of the awning (opening and closing) and the correct operation of the remote control.		
10	Check the correct operation of the awning (opening and closing) and the correct operation of the remote control.		
11	Check the correct operation of the awning (opening and closing) and the correct operation of the remote control.		
12	Check the correct operation of the awning (opening and closing) and the correct operation of the remote control.		
13	Check the correct operation of the awning (opening and closing) and the correct operation of the remote control.		
14	Check the correct operation of the awning (opening and closing) and the correct operation of the remote control.		
15	Check the correct operation of the awning (opening and closing) and the correct operation of the remote control.		
16	Check the correct operation of the awning (opening and closing) and the correct operation of the remote control.		
17	Check the correct operation of the awning (opening and closing) and the correct operation of the remote control.		
18	Check the correct operation of the awning (opening and closing) and the correct operation of the remote control.		
19	Check the correct operation of the awning (opening and closing) and the correct operation of the remote control.		
20	Check the correct operation of the awning (opening and closing) and the correct operation of the remote control.		
21	Check the correct operation of the awning (opening and closing) and the correct operation of the remote control.		
22	Check the correct operation of the awning (opening and closing) and the correct operation of the remote control.		
23	Check the correct operation of the awning (opening and closing) and the correct operation of the remote control.		
24	Check the correct operation of the awning (opening and closing) and the correct operation of the remote control.		



**ATTENTION! The maintenance work is to be carried out by qualified and trained personnel. Call for a Gibus specialised technician.**

**CHAPTER 10: DISMANTLING AND DISPOSAL**



**CAUTION: dismantling of the Pergola must be carried out by qualified and trained staff. Ask for a specialized Gibus technician at the Service Department.**



**CAUTION: dismantling of the Pergola must be carried out applying all the safety provisions as per installation: see chapter “SAFE INSTALLATION” and chapter “INSTRUCTIONS FOR PROPER INSTALLATION” with the help of the installation instructions.**

#### RECOMENDATIONS FOR THE OPERATOR IN CHARGE OF DISMANTLING:

- the operations must be carried out with the brise soleil blades placed vertically;
- disconnect the power supply to the system;
- disconnect the system downstream the cut-off switch,
- disconnect the engine,
- disconnect the control units.

### 10.1 DISPOSAL OF THE PERGOLA

The Pergola is not built with materials considered hazardous. There are no special instructions for destruction or disposal. The components making up the Pergola are given in Chapter 3. Pay close attention to the management of Waste Electrical and Electronic Equipment Directive (WEEE directive).



**IMPORTANT! Follow the regulations in place at the time of disposal of the Pergola to dispose of the materials constituting it.**



**ATTENTION: please note that for any detail of the Pergola to be separately disposed of, always refer to the current standards on the matter.**

To dismantle the Pergola follow the regulations imposed by the laws in force in the country of use. Disconnect the Pergola from the power supply. Disassembly the individual components of the Pergola grouping them according to their composition. Then scrap in accordance with the laws in force in the country of use.

Most significant materials making up the bioclimatic pergola awning:



**Aluminum**  
**Steel**  
**Plastic**



**Electrical and electronic equipment and EEE equipment.**

Under art. 14 of the 2012/19/EU DIRECTIVE OF THE EUROPEAN PARLIAMENT AND COUNCIL of 4 July 2012 on waste electrical and electronic equipment (WEEE), the crossed bin symbol (**on some of the parts and components of the product**) indicates that these parts and components are electrical or electronic products and must be collect-ed separately from other waste at the end of their useful life and not with mixed urban waste. This is to encourage correct recycling/disposal. Appropriate waste sorting for the subsequent recycling, treatment and environ-mentally compatible disposal of the disused electric and electronic equipment avoids nega-tive effects on the environment or human health and favours the re-use or recycling of the electric and electronic equipment's materials.

The same symbol indicates electrical or electronic products for the "Waste Electrical and Electronic Equipment Regulations 2013".

## CHAPTER 11: TROUBLESHOOTING



**WARNING:** in case of troubleshooting you must comply with the relevant safety requirements; in particular while searching for any faults or repairs of the power supply system, there is a risk of fatal electric shock. maintenance on electrical parts must be carried out by qualified personnel only.



**WARNING:** risk of crushing.

in particular, in order to avoid the risk of crushing/shearing injuries, do not put any part of the body between the adjustable blades or between the adjustable blades and parts of the fixed housing structure (guttering, etc.). This is extremely important when blades are moving.

The following table shows the solution to more common problems. In the presence of problems other than those listed contact the Service Department.

### 11.1 TABLE OF FAULTS AND DEFECTS

PROBLEMS	CAUSES	REMEDIES
The remote control does not respond to the controls.	The remote control isn't working.	Unlock it by pressing one of the top two small buttons (the buttons that are used for the selection of the group or the channel) for 10 seconds until the LEDs flash.
The motors are noisy.	Faulty motor.	Request technical assistance.
The motors do not move.	Incorrect wiring.	Check the electric circuit against the attached wiring diagrams.
	Faulty motor.	Check the motor and replace it if necessary.
	Remote batteries flat or faulty.	Change the batteries or the remote control.
The blades do not open perfectly horizontally or they do not complete the run (0°-135°).	Incorrectly regulated endstops.	Repeat the learning procedure and regulate the endstops.
	Something has fallen into the movement area and blocks the movement: side tracks, perimeter gutters, etc.	Check there are no pinecones, twigs, nests, pine needles or anything else and remove them.
The blades do not open from the closed position.	The resin has deposited on the perimeter seals or between the blades.	Clean and lubricate the seals.
	There is some ice between the blades.	Wait for the temperature is raise.
	The rain alarm is raised and it is raining.	Wait for the rain to stop and disactivate the rain sensor (procedure in chapter 2).
	The pergola is not power supplied.	Power supply the pergola.
	The remote control is not matched or the batteries are drained or it is broken.	Match the remote control or replace the batteries.



PROBLEMS	CAUSES	REMEDIES
The blades are blocked in a different position from the required one.	Something has fallen into the movement area and blocks the movement: side tracks, perimeter gutters, etc.	Move the blades with the "man present" command and/or remove the foreign body that is blocking them.
After the opening control, the blades are in a partially opened position at about 33%.	Less than 6 hours have passed since the rain has stopped and the rain alarm is active.	Control the opening with the operator present or disable the rain sensor (chapter 2).
The blades are blocked in a partially opened position of about 33%, and don't move.	At least 60 seconds have passed from the detection of wind beyond the set threshold; the wind alarm is enabled.	Wait for the breeze decreases.
The blades are blocked in a partially blocked position of about 66%, and don't move.	The temperature is lower than 2°C and the alarm is enabled; if it is also raining and the snow sensor is enabled.	Control the displacement with the operator present.
The blades do not open when there is a strong wind.	Wind sensor sensitivity programmed for a too high limit.	Reprogram the anemometer limits.
	Anemometer incorrectly wired to the control unit.	Check the connections to the terminals.
	Faulty anemometer.	Replace the anemometer.
Malfunction not included among the above.		Check the specific instruction manuals for the control units attached to this manual, or contact the technical service centre.

## CHAPTER 12: CONVENTIONAL WARRANTY UP TO THE FIFTH YEAR

For EU countries + Switzerland and the UK, Gibus S.p.a. offers the conventional guarantee pursuant to art. 135 - quinquies Legislative Decree 206/2005 - Consumer Code - and better explained in the following Articles. Gibus' conventional guarantee does not, in any way, prejudice the rights and remedies expressly provided for by the law in favor of the consumer exclusively towards the seller (see the following articles 2 and 3) ("Legal Guarantee" articles 128 et seq. of Legislative Decree No. 206/2005) for lack of conformity of the product.

### Art.1 Gibus products

Each GIBUS product has the characteristics described in the price list/sales catalog that is in force at the moment the order is received by Gibus S.p.A. The characteristics of the fabrics are described in the respective GIBUS samples.

### Art.2 Legal guarantee of the seller

The goods are guaranteed for a period of two years from the date of delivery for any lack of conformity existing at that time. The two-year legal guarantee can be enforced by the consumer exclusively against the seller pursuant to art. 133 Legislative Decree No. 206/2005.

### Art.3 Remedies provided for by the legal guarantee (art. 135-Bis of legislative decree 206/2005)

In the event of a lack of conformity of the product sold, the consumer may request the seller either repair or replace the goods, provided that the chosen remedy is not impossible or, compared to the alternative remedy, does not impose disproportionate costs on the seller. Should the requested remedy be, pursuant to Article 135-bis of Legislative Decree no. 206/2005, impossible or excessively burdensome and entailing disproportionate costs for the seller, the consumer may request that the seller reduce the price or terminate the contract. The latter remedies may be also requested by the consumer from the seller in other cases specifically ruled by art. 135-bis of Legislative Decree 206/2005 to which reference is made. In any case, it is specified that, pursuant to art. 135-bis, paragraph 5, Legislative Decree 206/2005, a minor lack of conformity will not give the consumer the right to terminate the sales contract.

### Art.4 Conventional guarantee

GIBUS S.p.A., with registered office in 35030 Saccolongo (PD) via Einaudi 35, offers the "consumer" as defined by art. 3, paragraph 1, letter a) of Legislative Decree 206/2005, the conventional product warranty starting from the 3rd year and up to and including the 5th year, starting from the date of purchase of the goods under the conditions specified below.

### Art.5 Object of the conventional guarantee: extension of the duration

The Gibus conventional warranty covers the spare parts of the product on the condition that the mandatory maintenance is carried out by an authorized Gibus Dealer, with costs entirely borne by the consumer, of the Bioclimatic Pergolas, 90° Pergolas, Bioclimatic Pergolas with retractable roof (according to the instructions given in the "Use and Maintenance Manual" attached to the product), to be carried out by the end of the 2nd year from the date of installation and every year up to the 5th year. The warranty for the 3rd, 4th and 5th year consists only in the replacement of components recognized as defective by GIBUS S.p.A. and does not cover the costs of labor, travel, disassembly/assembly and transport that will be borne by the customer. The costs deriving from the right to call of the authorized Gibus Dealer will also be borne by the customer.

### Art.6 Limits of the conventional guarantee

The Gibus conventional guarantee covers the cost of spare parts in the following percentages:

- In the 3rd year, the Guarantee covers 60% of the value of the spare part determined by the price shown by Gibus on the sales invoice to the dealer or, if not specifically stated therein, by the price charged for the spare part at the time of sale to the dealer;
- In the 4th year, the Guarantee covers 50% of the value of the spare part determined by the price shown by Gibus on the sales invoice to the dealer, or, if not specifically stated therein, by the price charged for the spare part at the time of sale to the dealer;
- In the 5th year, the Guarantee covers 35% of the value of the spare part determined by the price shown by Gibus on the sales invoice to the dealer or, if not specifically stated therein, by the price charged for the spare part at the time of sale to the dealer;
- The Cristal and the LEDs, if present, are excluded from the conventional guarantee.

### Art.7 Without expenses

The legal guarantee offered by the seller and the conventional guarantee by Gibus belong to the Customer free of charge. It is the customer's responsibility to prove that the guarantee is still valid by means of the delivery document issued by the seller or other similar document (i.e. receipt, cash receipt or similar) which shows the name of the seller and the date on which the delivery of the goods took place, as well as the evidence of the execution of the obligatory maintenance (i.e. receipt, cash receipt or similar which must be equal to a reasonable fee compared to the maintenance service) in the event the Customer has the "Conventional Guarantee".

#### **Art.8 Territorial extension**

The legal guarantee referred to in Legislative Decree 206/2005 is valid for Italy. In the EU countries, the legislation envisaged for each country applies to the legal guarantee for the sale of consumer goods. In any case, in EU countries, the seller must grant the consumer a minimum two-year guarantee. The GIBUS conventional guarantee in the terms specified in this agreement is valid in Italy, in EU countries, in Switzerland and in the UK. For extra EU countries, the legal and conventional guarantees are not effective.

#### **Art.9 Further conditions for the validity of the conventional guarantee**

In order for the Gibus conventional guarantee to be considered valid and effective pursuant to this document, in addition to the above, all the following additional conditions must be met:

- A. the permitted use and purposes of the product shall comply with the instructions given in the "Use and maintenance manual";
- B. the rules of use and periodic maintenance shall comply with the instructions given in the "Use and maintenance manual";
- C. the annual compulsory maintenance shall be carried out and proved up to the 5th year;
- D. the installation and mandatory annual maintenance shall be carried out exclusively by an authorized GIBUS dealer; both installation and maintenance operations will be valid only if recorded in the "Use and Maintenance manual" and in the "Product Maintenance Check List";
- E. the electrical and electronic parts (motor – automatic devices - switches) concerning the product shall be supplied by GIBUS; if electrical and electronic parts are not supplied by GIBUS or are tampered with, the guarantee will not be effective.

Each Gibus Product is unique, uniquely recognizable and traceable, thanks to a 3D Gibus-branded hologram that includes a unique alphanumeric serial number. The Gibus conventional guarantee will be recognized only if there is the Gibus hologram and "serial number" and after Gibus has checked for the compliance with the requirements and conditions set out in this chapter and in the "Use and maintenance manual" of the product.

#### **Art.10 Exclusions**

In addition to the other cases mentioned above, the conventional guarantee is not effective if the product is used for purposes other than those for which it is designed or in ways prohibited by the instructions given in the "Use and Maintenance Manual", which is attached to the product and delivered by the authorized seller; the conventional guarantee is also excluded if the product is used in any commercial, entrepreneurial or professional businesses, unless it is agreed upon differently.

Furthermore, the following is not covered by the conventional guarantee: non-conformities and/or defects due to negligence or carelessness in use (such as failure to comply with the instructions for the correct operation of the product), improper installation, installation or maintenance carried out by personnel who are not employed by an authorized Gibus Dealer or by personnel who are not expressly proven to be addressed by the authorized Dealer, as well as transport damage, or damage due to products or spare parts or components that are not recognized as defective by GIBUS S.p.A. The conventional guarantee is not effective even in cases of improper use of the product if strong wind occurs beyond the limits indicated by the manufacturer, as well as heavy rain, hail, snow, ice and/or other atmospheric events, even combined, in the event of failure of the wall where the Pergola is fixed, and finally, in case of tampering with the product and use of non-original GIBUS spare parts and components.

The Conventional guarantee is not effective in the following cases:

- modification of any parts of the product during the installation or after the installation without the written authorization of GIBUS;
- installation of parts or components (including motors and automatic devices) not supplied by Gibus or not authorized in writing by Gibus;
- installation on the pergolas of side closures or windows or accessories made by other manufacturers, not present in the catalog and for which there is no written authorization from GIBUS S.p.a.;
- installation on the pergolas of other pieces or components or side closures not authorized in writing by Gibus which, in Gibus's unquestionable judgment, may compromise the functioning and stability of the structure itself, its safety, its resistance to wind and atmospheric agents in general as well as the duration of the product.

For other specific exclusions from the guarantee, refer to the various chapters of the "Use and Maintenance Manual" attached to the product.

#### **Art.11 Responsibility of the manufacturer**

Gibus declines all responsibility for any damage that, directly or indirectly, could result to persons, property of the end user or third parties, as well as pets as a result of failure to comply with all the above requirements or those listed in the specific "Use and Maintenance Manual" and concerning, in particular, the warnings regarding the installation, use and maintenance of the product and in all other cases in which the aforementioned conventional guarantee is not effective.

#### **Art.12 Final remarks**

The conventional guarantee is issued by GIBUS S.p.A. as also indicated in the "Use and Maintenance Manual" attached to each product that the authorized Gibus dealer shall handle to the customer and that the customer must demand.

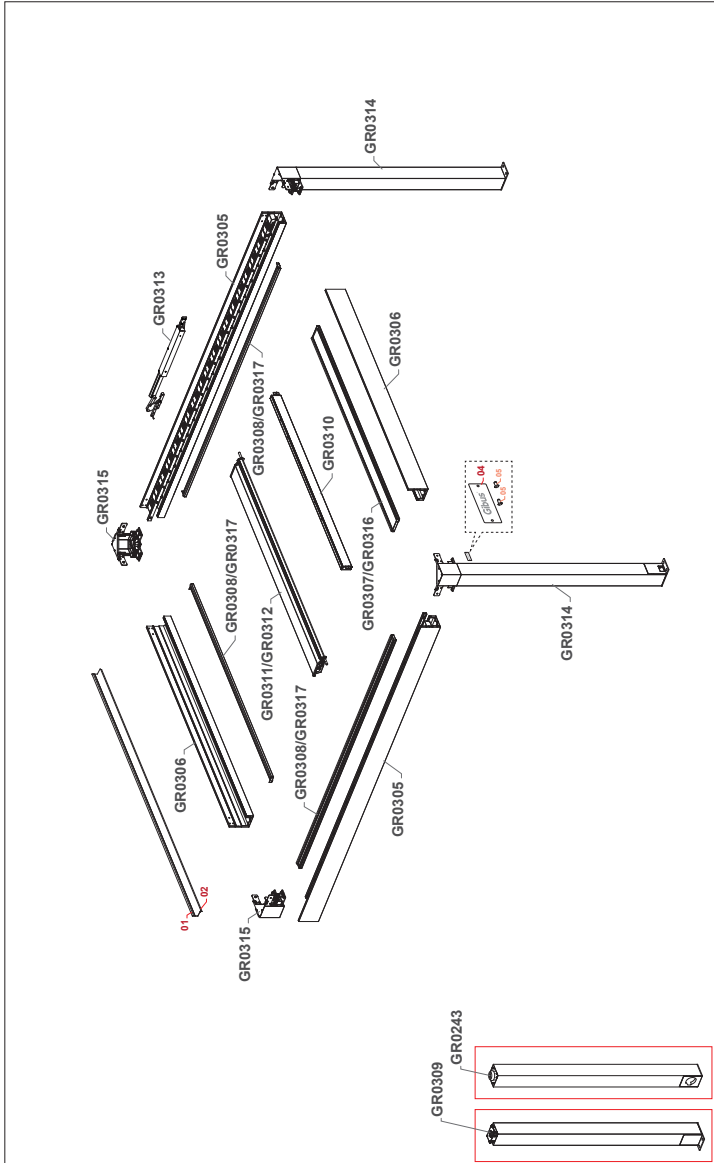
**This warranty is issued by:**

**Gibus S.p.A.**  
via Einaudi 35 35030  
Saccolongo (PD) - ITALIA

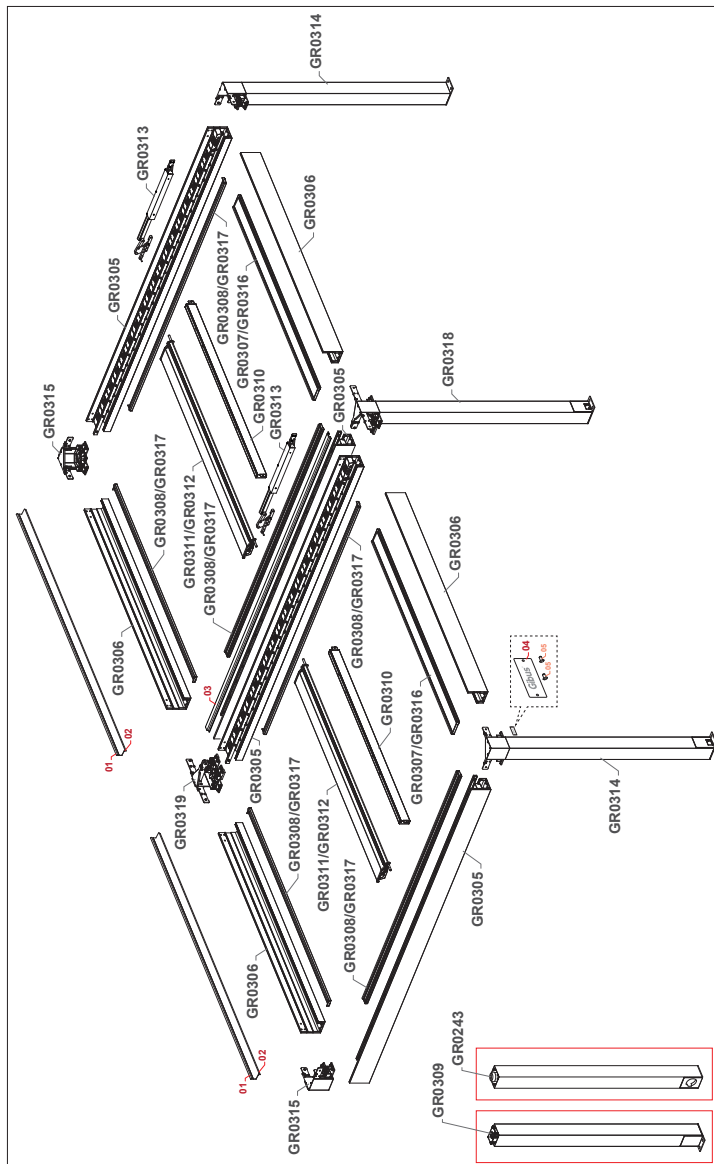
**Per qualsiasi controversia, si elegge quale unico foro competente quello di Padova Italia.**

**CHAPTER 13: EXPLODED DRAWING OF MOVIE**

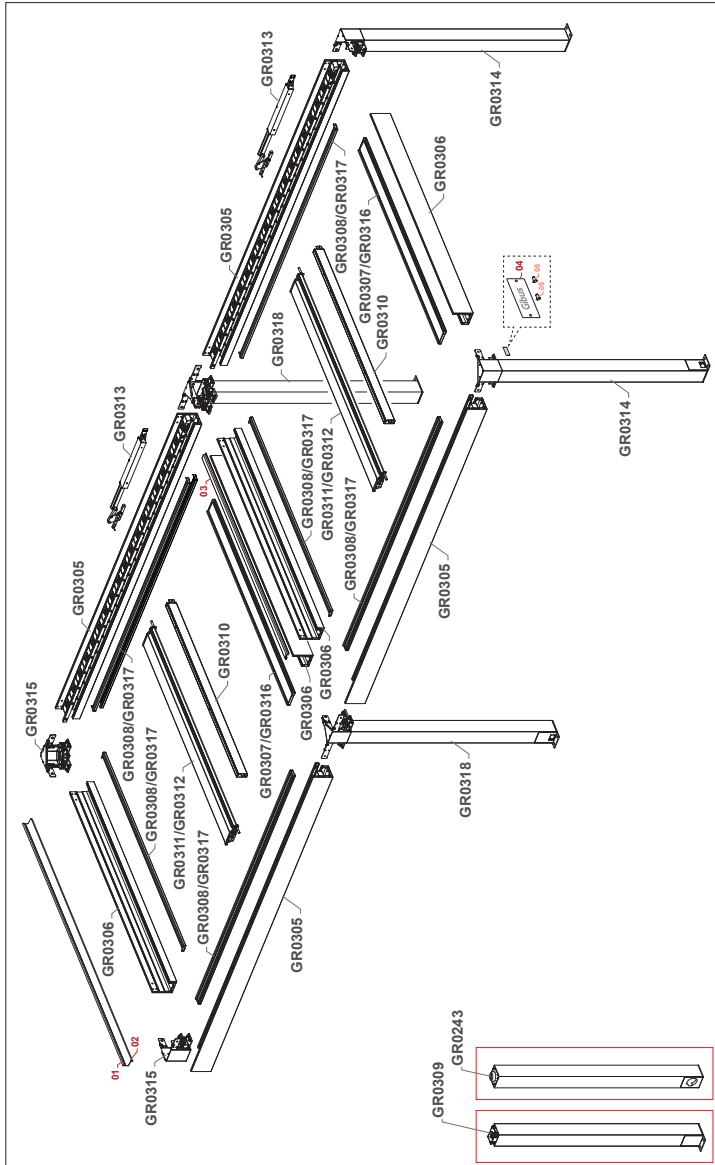
**13.1 1 MODULE**



**13.2 COUPLING MODULE TYPE 1**



**13.3 COUPLING MODULE TYPE 2**



## CHAPTER 14: TECHNICAL NOTES

### 14.1 DECLARATION OF INSTALLATION

DECLARATION OF INSTALLATION (to be filled by the installer)			
MOVIE			
<input type="checkbox"/> ISLAND <input type="checkbox"/> WALL <input type="checkbox"/> FRONT LEANING AWNING <input type="checkbox"/> SIDE LEANING AWNING	<input type="checkbox"/> 1 MODULE <input type="checkbox"/> COUPLED	<input type="checkbox"/> OTHER	
<b>Size</b> L: S:	<b>Fabric</b> Type: Colour:	<b>Motor</b> Type:	<b>Automations</b> Type:
The undersigned:		of the Company:	
as:		Address:	
Reference:			
Declares under his sole responsibility <ul style="list-style-type: none"> <li>of having used the components contained in the packaging of the products by Gibus and additional products provided for by the Installation Instructions;</li> <li>of having checked the technical compliance of the housing site;</li> <li>of having carried out the installation through the instructions provided by the manufacturer in the Use and Maintenance Manual and in the Installation Instructions delivered with the packaged product;</li> <li>of having delivered to the customer these Use and Maintenance Manual with the Declaration of Performance DoP relevant to the regulations and European reference standards.</li> </ul>			
Installation:	date:	Stamp and signature Gibus technician:	
Installation Notes:			
Mandatory maintenance within the end of the 2nd year	date:	Stamp and signature Gibus technician:	
Mandatory maintenance within the end of the 3rd year	date:	Stamp and signature Gibus technician:	
Mandatory maintenance within the end of the 4th year	date:	Stamp and signature Gibus technician:	
Recommended maintenance within the end of the 5th year	date:	Stamp and signature Gibus technician:	
<b>IMPORTANT! Extraordinary maintenance is compulsory and should be carried out by a Gibus specialized technician by the end of the second year from the awning's installation; this will extend the warranty up to the 3rd year from the installation date. Use Gibus original spare parts to keep the warranty valid. Accordingly, a compulsory maintenance operation within the end of the 3rd year from the installation date is to be required to the Gibus specialized technician and that will extend the warranty to the 4th year; a compulsory maintenance in the 4th year from the installation date will extend the warranty to the 5th year.</b>			
Mandatory Maintenance Notes:			

**ADDITIONAL Installation Notes:**

**ADDITIONAL Mandatory Maintenance Notes:**



**14.2 MAINTENANCE AND NOTE REGISTER**

<b>Date</b>	<b>Operation description (including components replacement)</b>	<b>Full name and signature specialized technician</b>
<b>NOTES:</b>		

Date	Operation description (including components replacement)	Full name and signature specialized technician

**NOTES:**

Large empty rectangular area for notes.



**14.3 PRODUCTION NOTES**



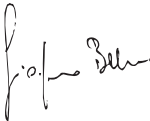
See the product sheet attached to the back cover.

## CHAPTER 15: ANNEXES

### ANNEX 0 - EC MARKING

 <p style="text-align: center;"><b>Via Einaudi, 35 - 35030 Saccolongo (PD)</b></p> <p style="text-align: center;"><b>23</b></p>	 <p style="text-align: center;"><b>UNI EN 13561</b></p> <p style="text-align: center;"><b>MUT 116-CPR -2023-05-30</b></p>
<p><b>Declaration of Performance no:</b>  <b>Pergola Awning with louvres for outdoor use</b></p>	
<p><b>MODEL: Gibus® mod. MOVIE</b></p>	
<p><b>Wind resistance:</b></p>	<p><b>Technical class 3</b></p>
<p><b>Total solar energy transmittance <math>g_{tot}</math>:</b></p>	<p><b>See the production specifications on the back cover</b></p>

### ANNEX 1 - SELF-CERTIFICATION DOCUMENT (\*)

<b>PERFORMANCE DECLARATION no: MUT 116-CPR -2023-05-30</b>						
1. Unique identification code for the product-type: <b>Gibus® mod. MOVIE</b>						
2. Serial number: <b>see the HOLOGRAM on the back cover</b>						
3. Designed use: <b>Pergola Awning with louvres for outdoor use</b>						
4. Name and address of the manufacturer: <b>Gibus S.p.A. - Via Einaudi, 35 - 35030 Saccolongo</b> <b>www.gibus.it - E-mail: <a href="mailto:gibus@gibus.it">gibus@gibus.it</a></b>						
6. Assessment and check system of constant performance: <b>System 4</b>						
9. Performance declared in accordance with the <b>UNI EN 13561</b> harmonized standard:						
Essential characteristics	Declared performance					
Wind resistance	Class 3					
Solar factor $g_{tot}$	See the value in the product specifications on the back cover (**)					
	Class	0	1	2	3	4
according to EN 14501	$g_{tot}$	$g_{tot} >= 0,50$	$0,35 <= g_{tot} < 0,50$	$0,15 <= g_{tot} < 0,35$	$0,10 <= g_{tot} < 0,15$	$g_{tot} <= 0,1$
10. The performance of the unit given in the items 1 and 2 complies with the performance declared in the item 9. This performance declaration is issued under the manufacturer's sole responsibility as per item 4.						
<p>Saccolongo, 15/05/2023</p> <p>Signed in the name of and on behalf of:</p> <p>Gianfranco Bellin  Chief Executive Officer</p> <div style="text-align: right; margin-top: 10px;">  </div>						

(\*) IMPORTANT NOTE: the stated performance is only guaranteed if the installation of the product is carried out correctly by the authorized dealer. The latter is required to compile the "DECLARATION OF CORRECT INSTALLATION", which should be left with the final customer when installation is completed.

**ANNEX 0 - EC MARKING**

**Gibus®**

Via Einaudi, 35 - 35030 Saccolongo (PD)

23

**UK  
CA**

EN 13561

MUT 116-CPR -2023-05-30

**Declaration of Performance no:**  
**Pergola Awning with louvres for outdoor use**

**MODEL: Gibus® mod. MOVIE**

**Wind resistance:**

**Technical class 3**

**Total solar energy transmittance  $g_{tot}$ :**

**See the production specifications on the back cover**

**ANNEX 1 - SELF-CERTIFICATION DOCUMENT (\*)**

**PERFORMANCE DECLARATION no: MUT 116-CPR -2023-05-30**

1. Unique identification code for the product-type: **Gibus® mod. MOVIE**
2. Serial number: **see the HOLOGRAM on the back cover**
3. Designed use: **Pergola Awning with louvres for outdoor use**
4. Name and address of the manufacturer: **Gibus S.p.A. - Via Einaudi, 35 - 35030 Saccolongo**  
**www.gibus.it - E-mail: gibus@gibus.it**
6. Assessment and check system of constant performance: **System 4**
9. Performance declared in accordance with the **EN 13561** harmonized standard:

Essential characteristics	Declared performance					
Wind resistance	Class 3					
Solar factor $g_{tot}$	See the value in the product specifications on the back cover (**)					
	Class	0	1	2	3	4
according to EN 14501	$g_{tot}$	$g_{tot} \geq 0,50$	$0,35 \leq g_{tot} < 0,50$	$0,15 \leq g_{tot} < 0,35$	$0,10 \leq g_{tot} < 0,15$	$g_{tot} < 0,1$


10. The performance of the unit given in the items 1 and 2 complies with the performance declared in the item 9.  
This performance declaration is issued under the manufacturer's sole responsibility as per item 4.

Saccolongo, 15/05/2023

Signed in the name of and on behalf of:

Gianfranco Bellin

Chief Executive Officer



(\*) IMPORTANT NOTE: the stated performance is only guaranteed if the installation of the product is carried out correctly by the authorized dealer. The latter is required to compile the "DECLARATION OF CORRECT INSTALLATION", which should be left with the final customer when installation is completed.







**Gibus**<sup>®</sup>  
THE SUN FACTORY

**Gibus S.p.A.**

Via Luigi Einaudi, 35  
35030 Saccolongo (PD) - ITALIA  
www.gibus.it - gibus@gibus.it

HOLOGRAM



# PRODUCT SHEET

(\*\*\*)  **$g_{tot}$  value** referring to the indicated fabric awning positioned vertically in front of a glass window. The value corresponding to the specific application must be determined by taking all the specifications of the housing unit and the inclination of the fabric into account. The  **$g_{tot}$  Class** can be found in the corresponding table on the previous page.