Gibus®
THE SUN FACTORY

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

MODEL

AZIMUT

ISLAND VERSION, LEANING VERSION, WALL
SINGLE MODULE, COUPLED

CE | UKCA

ENG

MUT 098
Cod. 340411
Rev. 3
31/03/2023

Gibus S.p.A. Via Luigi Einaudi, 35 35030 Saccolongo (PD) - ITALY www.gibus.it - gibus@gibus.it

WARNING: carefully read all warnings and instructions in this manual and in the use and maintenance manual before carrying out any operation with the 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 carefully 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 S.p.A.
via Luigi Einaudi, 35
35030 Saccolongo (PD) - ITALY
www.gibus.it - gibus@gibus.it

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 "Drop Awning", 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: Isolated self-supporting, wall-mounted or leaning drop awning, for outdoor use with built-in side drop awnings.
Models: AZIMUT (ISLAND - LEANING VERSION)
Revision No. 03
Published: 20/02/2018
Manufacturer's data: Gibus S.p.A. via L. Einaudi, 35 - 35030 SACCOLONGO (PD) - ITALY
http: www.gibus.it - e-mail: gibus@gibus.it

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

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

IMPORTANT: The instruction manual is aimed at those who use the awning, such as an installer, maintainer, owner or user and is the basis for the correct use and maintenance of the product. The instructions for handling, unpacking, installation, adjustment, maintenance are addressed **to the installer**. 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 awning. 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 awning 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:

- **AZIMUT ISLAND**: Self-supporting isolated retractable awning with retractable stretched cloth and built-in side drop awnings (blinds with zip system), available single or multi-module, with coupling modules.
- **AZIMUT LEANING VERSION**: drop awning leaning against the wall with retractable stretched cloth and built-in side drop awnings (blinds with zip system), available 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 long 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 and with section 1.7.4 of Annex 1 to Directive 2006/42/EC taking into account the normal use of the awning in order to inform, together with other instructions for use affixed to the awning itself or in the installation instructions, the operators / users on residual risks that the products presents.
The awning **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 2 of the UNI EN 13561 rule on "External awnings - Performance requirements including safety".
This Technical Classification ensures a resistance to a wind that carries a maximum pressure rating of 170 [N/m^2] (Newton/sqm), similar to an wind insisting on the awning with a maximum speed of 60 [km/h] corresponding to the 7th level of the Beaufort Scale. The side blinds (drop awnings) have a wind resistance that depends on their size, but it is at least a Class 3 (110 N/m^2, max. 49 km/h, Beaufort level 6). 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 awning **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 the Class 4 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 170 [N/m^2] (Newton/sq m) similar to a wind against the awning with a maximum speed of 60 [km/h] corresponding to the 7th level of the Beaufort Scale. The side blinds (drop awnings) have a wind resistance that depends on their size, but it is at least a Class 3 (110 N/m^2, max. 49 km/h, Beaufort level 6). 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".

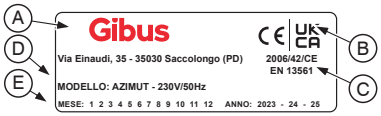
WARNING: For maintenance or repair to always use only original spare parts. Gibus SpA declines all responsibility for damages that may occur for non-compliance with the above instructions. The Pergola is guaranteed according to the contractual arrangement prepared at the time of sale. The warranty is 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 marking (placed on the profile breaker on the engine / transmission) 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 marking.

CHAPTER 2: SAFETY REQUIREMENTS

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.

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

2.1 PURPOSE AND INTENDED USES OF THE PERGOLA

The Pergola was designed and made for protection from the sun and it is meant to be used in the context of civil construction, residential, commercial and other services to the community.
The Pergola is designed solely for the use indicated above; if packaged with plastic or PVC tarpaulins provides good protection against the rain.
Any other use is considered improper and inadequate and release the manufacturer from all liability for any damage caused to persons or property.
The Pergola offers, if properly installed, a resistance to wind load the same as those envisaged by Class 4 of the EN 13561 standard. Consequently it can be exposed to a wind with a maximum pressure of 170 Newton/m^2, which corresponds to a continuous wind speed no higher than 60 km/h. **For the sake of safety, packing the cloth before exceeding such a limit is strictly required.**
The side closures (i.e. vertical drop awnings) have a wind resistance that depends on their size, but it is equal or superior to Class 3 depending on the size of the pergola. Therefore, the drop awnings are suitable to stand wind not over the maximum pressure of 110 Newton/m^2 corresponding to a wind speed below 49 km/h of the Beaufort scale.
Fold the side awnings before exceeding this limit.

The Pergola is not designed to resist a static load from snow deposited on the extended cloth. With the cloth fully packed the parts that remain exposed can support a load of 100 kg/m^2. To avoid any potential danger it is mandatory to remove snow as soon as possible.

CAUTION: for safety reasons the awning must therefore be packed if there is strong wind with a speed nearing the recommended maximum exposure, or in the case of very strong rain, hail and snow; it is very dangerous to leave the awning open in these cases, it can cause injury to people and damage to property. Do not stand under or near the pergola if any snow has deposited on it and the fabric is extended. For safety reasons, the side awnings must be closed in all of the above-mentioned cases.

IMPORTANT: In order to use the awning for purposes other than those described above, a specific permission given by the manufacturer is required. Failure to follow the conditions for proper use, automatically 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 paragraphs 3.2 “ELECTRICAL COMPONENTS” and 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 shall install or place ladders or other fixed objects in such a way as to obstruct the excursion path of the awning.

2.3 OPTIONAL SAFETY DEVICES

Anemometric sensor: In case of strong winds (greater than the set threshold), the closing of the awning occurs automatically (awning retraction). The rate at which the wind sensor (anemometer) is recorded during the initial start-up procedure, as described in the Use and Maintenance Manual (see section 3.3 and instructions for the specific device).
Sun sensor: In case of sunshine the awning automatically opens The threshold at which the sun sensor activates can be set (see section 3.3 and instructions for the specific device).
Rain sensor or pluviometric sensor: In case of rain detection, the awning packs itself automatically. The activation level of the device, is recorded during the initial start-up procedure (see section 3.3 and instructions for the specific device).

2.4 USER AND INSTALLER REQUIREMENTS

The normal use of the Pergola is allowed to everyone, except those younger than 12 years. The installation of the awning and of the electrical system, the adjustment of the awning and the setting of the engine limit switch, as well as maintenance must be performed by qualified personnel only. The installation of the awning must be carried out 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).

2.5 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 strictly 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 automatically 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 drop awnings of the ***AZIMUT*** line were designed and built according to the principles of constant innovation, impeccable workmanship and attention to the details of ***Gibus Total Quality***. A system of values designed to ensure complete customer satisfaction.
AZIMUT ISLAND is a drop awning built in a special and dedicated self-supporting structure with built-in side awnings (i.e. drop awnings). It is installed in a stand-alone way and isolated from any building.
For the ***AZIMUT LEANING VERSION***, the structure is dedicated and must be leaned against the wall of a building. 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® ***Fast Coupling***: Quick coupling system of the engine built into the gears.


Gibus Patent® ***Quick Assembly***: Quick connection system of the supporting structure free from exposed fastening elements.


Gibus Patent® ***Weather Strip***: system to secure and seal the fabric covers separated or partially separated in the profile breaker with "nail" seal.


Patented Gibus® ***Anti-Splash*** system: with mobile edge to prevent water flowing in the perimeter gutters from splashing inside the pergola.


Gibus Patent® ***Inner Guide***: Guide system integrated into the legs of the structure for side drop awnings of AZIMUT.


Registered design.

3.1 STRUCTURAL AND MECHANICAL COMPONENTS

Drop awning is made of a load-bearing structure, made of coated aluminium and consisting of side rails integrated into the gutters, 170x170 mm support legs, curved and end profiles. Connections include stainless steel brackets, painted aluminium casts, stainless steel bolts and nuts. The movement transmission system of is on the side guides with an adjustable toothed belt providing high strength, while the drive is powered with a tubular motor and a radio controlled system.
The protective casing of the engine is made of cast aluminium, the sliding trolleys consist in wheels with stainless steel bearings and pins. Side drop awnings with box and roller integrated in the guides/bars and fabric guided by ZIP system.
Built-in ZIP guides built-in the bars/columns. Guided front profile. Controlled by a tubular motor. Galvanized iron roller of 85 mm diameter.
The profiles are extruded in Anticorodal EN AW 6060 UNI EN 573-03 UNI EN 755-2 aluminium alloy with subsequent anti-corrosion treatment and thermosetting polyester powder coating. The casts are made of special aluminium alloy EN AB 46100 and EN AB 44100.
The casts for sliding carriages, pulleys and other plastic components are made of nylon mixed with FV. The toothed belt with steel strands. The screws are made of stainless steel.

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 AZIMUT motors (and the motors of the side blinds) are tubulars single-phase asynchronous irreversible **equipped with thermal protection at 140°C for safety devices against overheating**. They are equipped with a condenser, electromechanical brake assembly, two limit switches and mechanical scaler for the reduction of primary turns at 12 or 17 [rev/min] ouputs. **The type of engine used on the awnings is indicated in the product sheet.**

ATTENTION: The product needs a 230V/50Hz power supply.

ATTENTION: The electrical insulation level of the power supply group of the Pergola and the motors of the vertical side awnings (tubular motors) are Class I. The 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.

AZIMUT Electric Features

Type	Drop Awning.		
Power supply	230 V (+10% +15%) 50Hz (*)		
Max. absorbed power	300 W (max. 1,5 A) for standard configuration modules (tubular motors). +max. 200 W for each side awning (absorbed only during actuation) +max. 240 W with blade Led Spot +max. 240 W with perimeter Led Spot +max. 320 W with RYB leds +max. 600 W with antifreeze system Tot. max. 2900 W (13,0 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 I (the structure must be earthed) for standard configuration modules (tubular motors).		
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^2	3G 2,5 mm^2	3G 4,0 mm^2
Up to 50 m	3G 2,5 mm^2	3G 4,0 mm^2	3G 10,0 mm^2

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

Upstream protection (supplied by the customer)	Magnetothermal switch and differential switch with differenital 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	min. IP 44		

(**): 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 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 Pergola can be managed electronically **in its functions with control of the weather conditions.** In this case, the awning can be fitted with the following additional electronic devices: 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 sheet.**

CAUTION: Never set the wind speed above the wind resistance of the awning itself (maximum threshold recommended for AZIMUT: 60 Km/h; perimeter drop awnings: 40 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 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 FABRIC COMPONENTS

The type of fabric used on the awning is indicated in the product sheet (given on the cover back). For the type of fabric recommended for each model, refer to the current price list. The most used fabrics are given hereinafter. The current samples can also include other fabrics.

PACKAGING THE FABRIC COVERS

Seams: made with TENARA wire® by GORE in PTFE (polytetrafluoroethylene) unaffected by UV rays and chemical agents; they are guaranteed for 10 years.
Seals of PVC tissue by fusion. **Trimming**: 100% acrylic fibre.

PVC Precontraint 622 fabric - BLOCK-OUT

PVC polyester fabric coated on 2 sides with FERRARI® PRECONTRAINT technology. Shade with glossy or matt lacquered finishing. Thickness 0.65 mm, weight approximately 750 g/m². Excellent dimensional stability. Weldable. Tensile strength (ISO 1421): warp 230 daN/5 cm, weft 220 daN/5 cm. Light resistance (DIN 53388): level 8/8 Fireproof according to the Italian CL.2, German B1 and French M2 regulations.

PVC Poly HR Opatex fabric
PVC coated polyester inner side, outside corrugated with dust-proof acrylic paint. Double inner black coating. 850 g/m². Tear strength: warp 250 Kg, weft 250 Kg (DIN 53354). Fireproof according to the Italian CL.2, German B1 and French M2 regulations.
PVC Precontraint 302 fabric
PVC polyester coated on 2 sides and glossy lacquered. 480 g/m². Breaking load: warp 140 kg - weft 15 kg (DIN 53354). 100% Waterproof - Fireproof Class 2.
PVC fabric - SBO 37 - BLACKOUT
PVC coated highly resistant polyester fabric. Blocks light thanks to the interior black coating. Embossed inner side. Thickness 0.52 mm. Weight 650 g/m². Tensile strength (ISO 1421): warp 210 daN/5 cm, weft 150 daN/5 cm. Light resistance (ISO 105 B02 1988): level 7/8. Fireproof according to the Italian CL.2 and French M2 regulations.
SOLTIS 86 fabric
1100 dtex polyester coated on 2 perforated PVC sides and glossy lacquered. 380 g/m². Breaking strength: warp 230 kg - weft 160 kg Fireproof class 1 UNI 9177-87.
SOLTIS 92 shading fabric
1100 dtex polyester coated on 2 perforated PVC sides and glossy lacquered. 420 g/m². Breaking strength: warp 310 kg - weft 210 kg Fireproof class 1 UNI 9177-87.
SOLTIS 96-W96 fabric
1100 dtex polyester coated on 2 perforated PVC sides and glossy lacquered. 400 g/m². Breaking strength: warp 220 kg - weft 220 kg Fireproof class 1 UNI 9177-87. Only W96 100% Waterproof.
SOLTIS 88 fabric
Polyester coated on 2 perforated PVC sides, micro-perforated and glossy lacquered. Thickness 0.45mm, 360 g/m². Breaking load: warp 140 daN/5 cm – weft 145 daN/5 cm. Fireproof class 1 UNI 9177-87. 100% recyclable.
TEMPOTEST STARLIGHT® polyester fabric
100% polyester mass dyed outdoor 360g/m². Breaking load: warp 210kg - weft 180Kg (UNI EN ISO 13934-1/2000). Water Column ≥ 1000mm (UNI EN 20811). Waterproof (UNI EN 24920). Oil resistance value 5/6 (AATCC118). Resistant to dirt, excellent dimensional stability.
TEMPOTEST STARLIGHT RESIN TREATED® polyester fabric
100% polyester mass dyed outdoor 330g/m². Breaking load: warp 190 Kg - weft 120Kg (UNI EN ISO 13934-1/2000). Water Column ≥ 700mm (UNI EN 20811). Waterproof (UNI EN 24920). Oil resistance value 5 (AATCC118). Resistant to dirt, excellent dimensional stability.
TEMPOTEST STARLIGHT FIRE RETARDANT VERSION®
Fire retardant Class 1, B1, NFPA701-10, MVSS 302 and IMO
100% polyester mass-dyed outdoor 300 g/m². Breaking load: warp 210 kg - weft 180Kg (DIN EN ISO 13934-1/2000). Water Column ≥ 300mm (UNI EN 20811). Waterproof (UNI EN 24920). Oil resistance value 5 (AATCC118). Resistant to dirt, excellent dimensional stability.
Acrylic Fabric
100% "outdoor" used acrylic fibre, mass-dyed 300 g/m². Thickness 0,56 mm - Stain-proof - anti-decay - water-proof with Teflon treatment. Breaking load: warp 130 kg - weft 80 kg (UNI 8639). Water-proof (UNI EN 24920) Water column > 300 mm (UNI 5122).
FABRISCREEN Polyester Screen Fabric
Screen fabric made of 25% polyester (internal) and 75% PVC (external). Screen fabric for outdoor protection from the sun, thickness 0.8 mm, weight approximately 510 g/m² (ISO 2286-2), Tensile strength warp approximately 105 daN/5cm, weft approximately 100 daN/5cm, Fireproof Class 1 (IT: UNI 9177) B1 (DE: DIN 4102-1).

STARSCREEN polyester Screen Fabric
Screen fabric in 100% FR polyester, mass-dyed thread for outdoors, thickness 0.5 mm, weight approximately 220 g/m² (ISO 2286-2), Tensile strength warp approximately 120 daN/5cm, weft approximately 92 daN/5cm, water and oil repellent finish with Teflon treatment, opening coefficient 5.5%, Fireproof Class 1 (IT: UNI 9177) B1 (DE: DIN 4102-1).
Fabric SCREEN SERGE 600
PVC coated fibreglass base fabric, 42% fiberglass 58% PVC, Thickness 0,55 mm ±5%, Weight 535 g/m², Flammability M1 (NF P92-503), CL.1 (UNI 9177), B1 (DIN 4102), C (BS 5867), Tensile strengh (ISO 1421) warp: ca 260 DaN/5 cm - weft: ca 225 DaN/5 cm, Openness factor 5 %, Elongation at break warp: 3,1 % - weft: 2,75 %.

IMPORTANT: the fabrics used are guaranteed for a period of 2 years, extendable up to 5 years, in the case that the warranty is extended, following a normal exposure to the action of the sun and atmospheric agents in general, and the action of moulds and micro-organisms.

3.5 COMPLEMENTARY MATERIALS

Cristal PLUS 500 2S
Transparent PVC film stabilised for UV rays. 610 g / sqm, thickness 0.5 mm. 100% waterproof Tensile strength: length 220 kg /cm² - height 210 kg /cm² (ASTM D882). On request: FR version with fire resistance class 2.
Cristal RES HUVP
Film in grey transparent PVC-P stabilised for UV rays. There is improved shielding from light with a shade effect, with a tinted version of the film. Weight 550 g/m², thickness 0.45 mm. 100% Waterproof. Tensile strength: length 60 daN/5cmq – height 60 daN/5cmq (ASTM D882).
FABRINET MOSQUITO NET
Polyester mosquito netting with high mechanical resistance to accidental impact. 100% polyester thread 6.5 x 5.5 threads/cm, PVC coating, thickness 0.51 mm, fabric weight approximately 200 g/m², tensile strength 110 daN/5cm, weft approximately 85 daN/5cm, glossy lacquered finish, opening coefficient 50%. Fireproof Class 1 (UNI 9177).

IMPORTANT! the Cristal is guaranteed for 2 years.

The most commonly used fabrics are reported in sections 3.4 and 3.5. Current samples used at the time of sale could include others. To learn more about the features of these fabrics consult the current sample.

3.6 BIOCIDAL PRODUCTS

The EU 528/2012 European Regulation and the "Regulations 2019 (SI 2019/720)" (GB biocidal products Regulation) rule the trade and use of biocidal products which are agents with antifungal action or intended to render other harmful organisms harmless.

ATTENTION: Some of the fabrics used by Gibus to package its products undergo treatments with biocidal products. For more information and to know the type of biocidal product possibly used in treating the fabric of your awning please visit our website: www.gibus.com

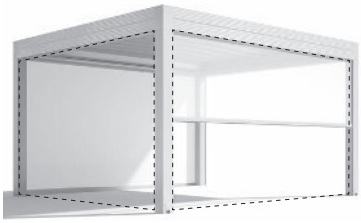
3.7 NOISE LEVEL

The measured noise (sound pressure level) is less than 70 dB (A).

CHAPTER 4: TECHNICAL DATA

4.1 TYPE

AZIMUT ISLAND (Basic Module)



With 4 legs:
width up to 600 cm
projection up to 600 cm

With 6 legs:
width up to 600 cm
projection up to 740 cm

AZIMUT FRONTAL LEANING VERSION (Basic Module)

Tubular motor parallel to the wall

With 2 legs:
width up to 600 cm
projection up to 600 cm

With 4 legs:
width up to 600 cm
projection up to 740 cm

AZIMUT LATERAL LEANING VERSION (Basic Module)

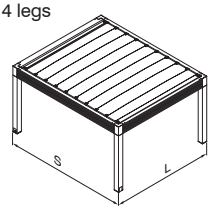
Tubular motor perpendicular to the wall

With 2 legs:
Projection up to 600 cm
Width up to 600 cm

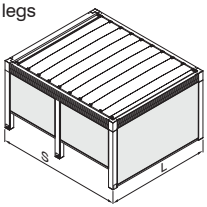
With 4 legs:
Projection up to 600 cm
Width up to 740 cm

4.2 AZIMUT ISLAND

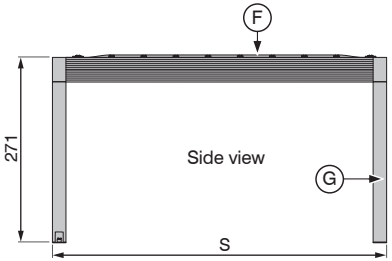
4 legs

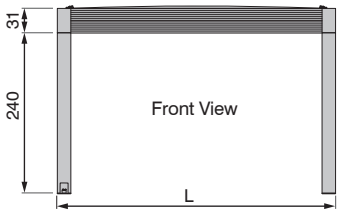


6 legs



ISLAND - SINGLE MODULE
4 LEGS max. L x S 6.00 x 6.00
6 LEGS max. L x S 6.00 x 7.40





		WIDTH "L" (cm)								1 Module	
		250	300	350	400	450	500	550	600	G	F
		kg								n°	n°
PROJECTION "S" (cm)	250	329	354	379	404	429	454	479	504	4	3
	300	355	380	406	432	458	483	509	535		4
	350	384	411	438	464	491	518	545	572		6
	400	410	437	465	493	520	548	576	603		7
	450	436	464	493	521	549	578	606	635		8
	500	462	491	520	549	578	608	637	666		9
	550	491	521	552	582	612	643	673	703		11
	600	517	548	579	610	641	672	704	735		12
	650	545	585	625	655	685	715	750	780	6	13
	720	625	660	690	725	755	790	825	860		14
	740	650	685	720	755	785	820	860	895		15

Legend:
kg = total weight of the drop awning (including cloth pack).
G = Legs.
F = Profile breaker.

IMPORTANT: For each size the load shown in the table is still greater or equal than the one provided by Class 4 - UNI EN 13561 / UNI EN 1932 (nominal load continuously distributed on the extended surface equal to approximately 17 [kg/m²] or 170 [N/m²]).

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/m²] Extended cover cloth, packed lateral closures

"S" \ "L"	G	F	250	300	350	400	450	500	550	600
250	4	3	225	168	110	91	72	60	47	42
300		4	225	168	110	91	72	60	47	42
350		5	207	168	110	91	72	60	47	37
400		6	173	157	110	91	72	60	47	33
450		7	139	125	110	91	72	60	47	29
500		8	116	104	93	81	69	60	47	25
550		9	94	84	75	66	56	51	45	25
600		10	67	60	54	47	41	37	33	20
650	6	11	68	64	59	55	50	44	38	29
720		12	50	48	45	43	41	38	35	25
740		13	45	42	39	37	35	33	30	25

Wind resistance [kg/m²] Extended cover cloth, extended lateral closures (awning closed)

"S" \ "L"	G	F	250	300	350	400	450	500	550	600
250	4	3	179	160	110	91	72	60	47	42
300		4	156	139	110	91	72	60	47	42
350		5	132	119	105	91	72	60	47	37
400		6	108	98	88	77	67	58	47	33
450		7	85	77	70	62	55	46	37	29
500		8	73	67	62	56	50	42	33	25
550		9	61	57	53	49	45	37	29	25
600		10	47	45	43	41	39	32	25	20
650	6	11	63	59	54	50	45	40	35	29
720		12	54	50	45	40	35	32	27	25
740		13	42	39	37	35	33	27	27	25

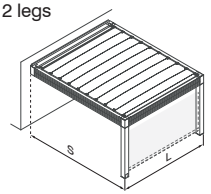
Snow load [kg/m²] - Cloth stretched, no wind

"S" \ "L"	G	F	250	300	350	400	450	500	550	600
250	4	3	150	112	74	61	48	40	35	30
300		4	150	112	74	61	48	40	35	30
350		5	150	112	74	61	48	40	35	30
400		6	150	112	74	61	48	40	35	30
450		7	150	112	74	61	48	40	35	30
500		8	150	112	74	61	48	40	35	30
550		9	130	110	70	60	45	40	35	30
600		10	115	100	70	60	45	40	35	30
650	6	11	150	112	74	61	48	40	35	30
710		12	130	110	70	60	45	40	35	30
740		13	115	100	70	60	45	40	35	30

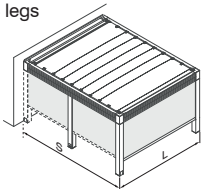
The values reported show the **snow load resistance when there is no wind**. The pergola structure and cover are designed and certified to resist a deposited snow load (with no wind) that varies by size. **In case of snow it is advised to secure the awning by packing the cloth before snow accumulates on it.** Fully packed cloth, even the largest sizes, offer a snow resistance of 100 kg/m² or more.

4.3 AZIMUT FRONTAL LEANING VERSION

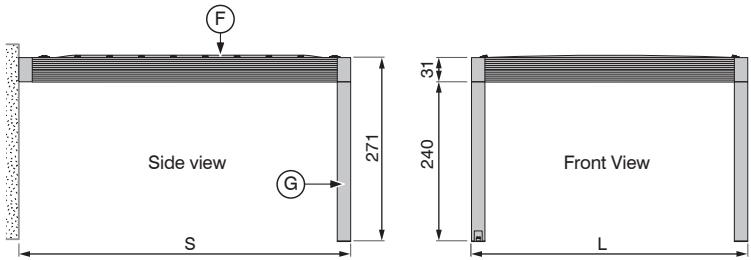
2 legs



4 legs



FRONTAL LEANING VERSION - SINGLE MODULE
2 LEGS max. L x S 6.00 x 6.00
4 LEGS max. L x S 6.00 x 7.40



		WIDTH "L" (cm)								1 Module	
		250	300	350	400	450	500	550	600	G	F
		kg								n°	n°
PROJECTION "S" (cm)	250	292	317	342	367	393	418	443	678	2	3
	300	318	344	370	396	422	448	473	499		4
	350	347	374	401	428	456	483	510	537		6
	400	373	401	429	457	485	512	540	568		7
	450	399	428	456	485	514	542	571	599		8
	500	425	455	484	513	543	572	601	631		9
	550	454	485	515	546	576	607	638	668		11
	600	487	518	549	580	611	642	674	705		12
	650	515	555	595	625	655	685	720	750	4	13
	720	595	630	660	695	725	760	795	830		14
	740	620	655	690	725	755	790	830	865		15

Legend:
kg = total weight of the drop awning (including cloth pack).
G = Legs.
F = Profile breaker.

IMPORTANT: For each size the load shown in the table is still greater or equal than the one provided by Class 4 - UNI EN 13561 / UNI EN 1932 (nominal load continuously distributed on the extended surface equal to approximately 17 [kg/m²] or 170 [N/m²]).

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/m²] Extended cover cloth, packed lateral closures

"S" \ "L"	G	F	250	300	350	400	450	500	550	600
250	2	3	225	168	110	91	72	60	47	40
300		4	225	168	110	91	72	60	47	40
350		5	187	168	110	91	72	60	47	40
400		6	149	136	110	91	72	60	47	37
450		7	111	101	90	80	70	60	47	33
500		8	90	82	74	66	57	51	44	29
550		9	70	64	57	51	44	39	34	25
600		10	45	41	37	33	29	26	22	25
650	4	11	90	82	74	66	57	51	44	29
720		12	70	64	57	51	44	39	34	25
740		13	45	41	37	33	29	26	22	25

Wind resistance [kg/m²] Extended cover cloth, extended lateral closures (awning closed)

"S" \ "L"	G	F	250	300	350	400	450	500	550	600
250	2	3	225	168	110	91	72	60	47	40
300		4	225	168	110	91	72	60	47	40
350		5	225	168	110	91	72	60	47	40
400		6	225	168	110	91	72	60	47	37
450		7	200	168	110	91	72	60	47	33
500		8	154	132	110	88	65	58	47	29
550		9	108	95	81	68	55	50	44	25
600		10	53	50	47	45	42	39	37	25
650	4	11	108	95	81	68	55	50	44	29
720		12	53	50	47	45	42	39	37	25
740		13	45	41	37	33	29	26	22	25

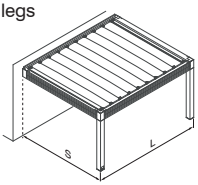
Snow load [kg/m²] - Cloth stretched, no wind

"S" \ "L"	G	F	250	300	350	400	450	500	550	600
250	2	3	150	112	74	61	48	40	35	30
300		4	150	112	74	61	48	40	35	30
350		5	150	112	74	61	48	40	35	30
400		6	150	112	74	61	48	40	35	30
450		7	150	112	74	61	48	40	35	30
500		8	150	112	74	61	48	40	35	30
550		9	130	110	70	60	45	40	35	30
600		10	115	100	70	60	45	40	35	30
650	4	11	150	112	74	61	48	40	35	30
710		12	130	110	70	60	45	40	35	30
740		13	115	100	70	60	45	40	35	30

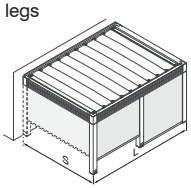
The values reported show the **snow load resistance when there is no wind**. The pergola structure and cover are designed and certified to resist a deposited snow load (with no wind) that varies by size. **In case of snow it is advised to secure the awning by packing the cloth before snow accumulates on it.** Fully packed cloth, even the largest sizes, offer a snow resistance of 100 kg/m² or more.

4.4 AZIMUT LATERAL LEANING VERSION

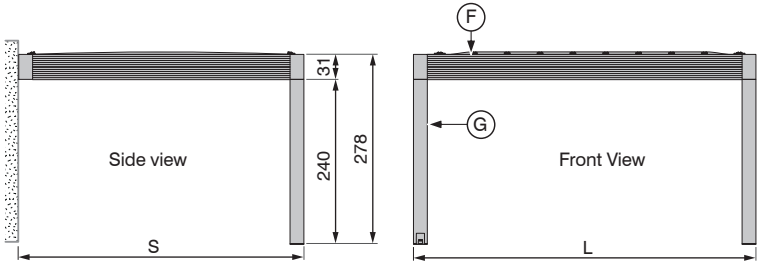
2 legs



3 legs



LATERAL LEANING VERSION - SINGLE MODULE
2 LEGS max. S x L 6.00 x 6.00
3 LEGS max. S x L 6.00 x 7.40



		PROJECTION "S" (cm)								1 Module	
		250	300	350	400	450	500	550	600	G	F
		kg								n°	n°
WIDTH "L" (cm)	250	292	317	342	367	392	417	442	467	2	3
	300	318	344	370	395	421	447	472	498		4
	350	347	374	401	428	455	482	509	536		6
	400	374	401	429	457	484	512	540	567		7
	450	400	428	457	485	514	542	570	599		8
	500	426	455	485	514	543	572	601	630		9
	550	455	486	516	547	577	607	638	668		11
	600	487	518	549	580	611	642	674	705		12
	650	505	545	585	615	645	675	710	740	3	13
	720	585	620	650	685	715	750	785	820		14
	740	610	645	680	715	745	780	820	855		15

Legend:
kg = total weight of the drop awning (including cloth pack).
G = Legs.
F = Profile breaker.

IMPORTANT: For each size the load shown in the table is still greater or equal than the one provided by Class 4 - UNI EN 13561 / UNI EN 1932 (nominal load continuously distributed on the extended surface equal to approximately 17 [kg/m²] or 170 [N/m²]).

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/m²] Extended cover cloth, packed lateral closures

"S" / "L"	G	F	250	300	350	400	450	500	550	600
250	2	3	222	168	110	91	72	60	47	45
300		4	196	168	110	91	72	60	47	45
350		5	170	158	110	91	72	60	47	40
400		6	145	134	110	91	72	60	47	40
450		7	119	109	100	91	72	60	47	36
500		8	93	85	78	71	64	56	47	34
550		9	67	61	56	51	45	40	34	20
600		10	40	38	35	33	31	28	26	20
650	3	11	81	79	76	74	72	60	47	36
720		12	78	74	69	65	60	47	40	30
740		13	74	69	65	60	47	30	34	20

Wind resistance [kg/m²] Extended cover cloth, extended lateral closures (awning closed)

"S" / "L"	G	F	250	300	350	400	450	500	550	600
250	2	3	225	168	110	91	72	60	47	45
300		4	220	168	110	91	72	60	47	45
350		5	191	168	110	91	72	60	47	40
400		6	162	152	110	91	72	60	47	40
450		7	133	125	110	91	72	60	47	36
500		8	104	98	91	85	72	60	47	34
550		9	75	70	66	61	57	53	47	25
600		10	40	38	35	33	31	28	26	20
650	3	11	50	46	41	37	33	29	25	25
720		12	37	33	29	25	25	25	20	20
740		13	33	29	25	25	20	20	20	20

Snow load [kg/m²] - Cloth stretched, no wind

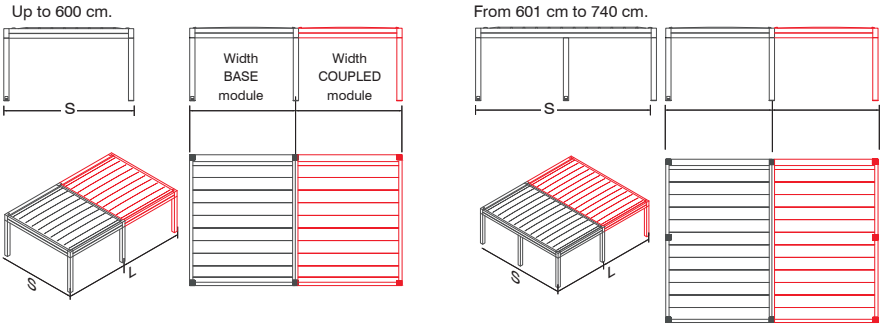
"S" / "L"	G	F	250	300	350	400	450	500	550	600
250	2	3	150	112	74	61	48	40	35	30
300		4	150	112	74	61	48	40	35	30
350		5	150	112	74	61	48	40	35	30
400		6	150	112	74	61	48	40	35	30
450		7	150	112	74	61	48	40	35	30
500		8	150	112	74	61	48	40	35	30
550		9	93	85	74	61	48	40	35	30
600		10	74	61	48	40	35	30	20	20
650	3	11	150	112	74	61	48	40	31	30
710		12	130	110	74	61	48	40	31	20
740		13	115	100	70	60	45	40	35	20

The values reported 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 secure the awning by packing the cloth before snow accumulates on it.** Fully packed cloth, even the largest sizes, offer a snow resistance of 100 kg/m² or more.

4.5 COUPLING MODULE

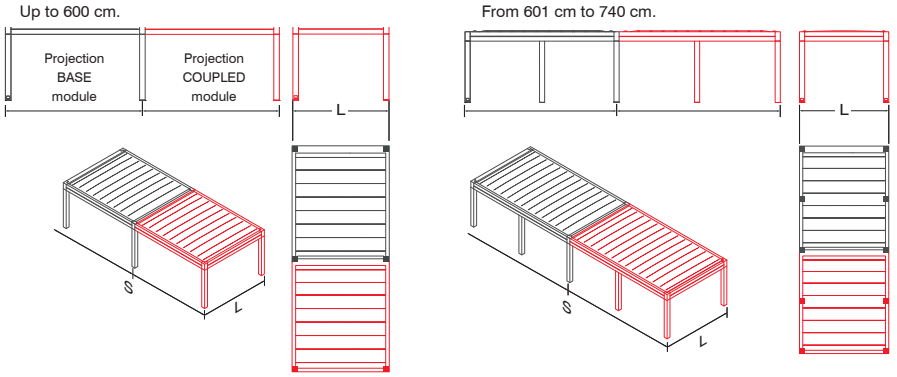
The coupling module enables multiplying the number of spans on the pergola, to form a continuous pergola. The coupled modules share the intermediate uprights.
The coupling units can be placed laterally or head on to the basic module; it is possible to couple one or more modules. The drawings shown below are just an example.

AZIMUT ISLAND WITH COUPLING MODULE TYPE 1 COUPLING



The width of the TYPE 1 coupled module is considered from the leg axis of the base module to the outer leg of the coupled module.

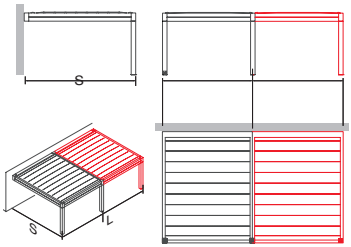
AZIMUT ISLAND WITH COUPLING MODULE TYPE 2 COUPLING



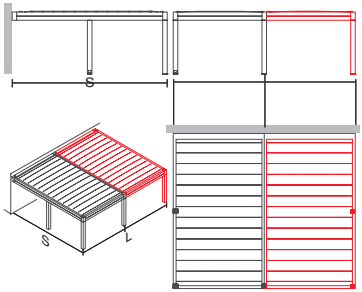
The extension of the TYPE 2 coupled module is different than the extension of the base module because the coupled module does not consider the overall 17 cm dimensions of the coupling leg. The extension of the TYPE 2 coupled module is considered from the leg axis of the base module to the outer leg of the coupled module.

AZIMUT FRONTAL LEANING VERSION WITH COUPLING MODULE TYPE 1 COUPLING

Up to 600 cm.

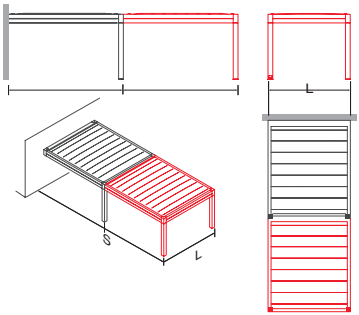


From 601 cm to 740 cm.

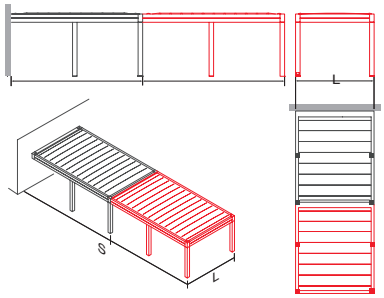


AZIMUT FRONTAL LEANING VERSION WITH COUPLING MODULE TYPE 2 COUPLING

Up to 600 cm.

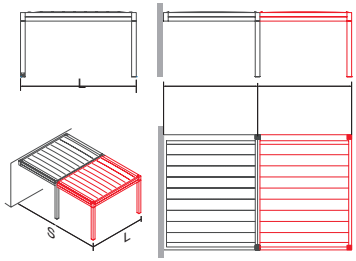


From 601 cm to 740 cm.

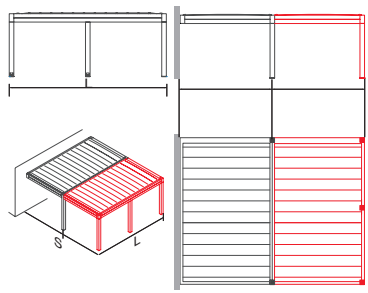


AZIMUT LATERAL LEANING VERSION WITH COUPLING MODULE TYPE 1 COUPLING

Up to 600 cm.



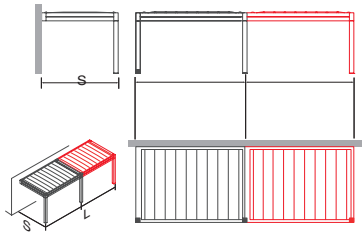
From 601 cm to 740 cm.



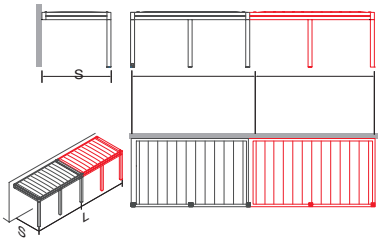
The extension of the TYPE 1 coupled module is considered from the leg axis of the base module to the outer leg of the coupled module.

AZIMUT LATERAL LEANING VERSION WITH COUPLING MODULE TYPE 2 COUPLING

Up to 600 cm.

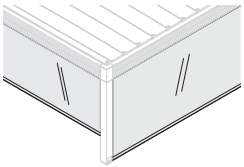


From 601 cm to 740 cm.



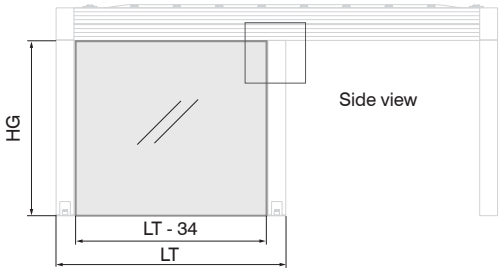
The width of the TYPE 2 coupled module is different than the extension of the base module because the coupled module does not consider the overall 17 cm dimensions of the coupling leg. The width of the TYPE 2 coupled module is considered from the leg axis of the base module to the outer leg of the coupled module.

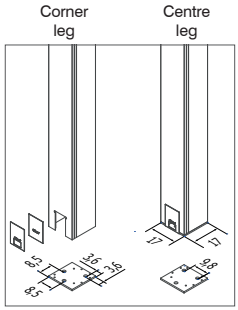
4.6 AZIMUT SIDE DROP AWNINGS



The side drop awnings to integrate in the AZIMUT structure include the following:

- fabric with side ZIP, complete with a front section and rolled up in a roller;
- motorized control;
- side guides of the ZIP system, equipped with tension springs to integrate in the legs.





Side drop awnings can be assembled on a AZIMUT structure already installed.

		LT										
		200	240	280	320	360	400	440	480	520	560	600
		Kg										
HG	120	18	20	23	25	28	31	35	38	41	43	47
	160	19	21	24	27	30	33	37	40	43	46	49
	200	20	22	25	28	32	35	38	41	45	48	51
	240	21	23	26	29	33	36	40	43	46	50	53
	280	22	24	28	32	35	39	43	46	50	54	57
	320	23	25	28	32	36	40	43	47	51	55	58

Legend:
Kg = total weight of the drop awning.
LT = WIDTH of AZIMUT side (cm) - NOTE: for the width of the fabric subtract 34 [cm].
HG = Height up to the gutter.

LEGEND - "BEAUFORT" WIND SCALE					
GRADE 6	GRADE 5	GRADE 4	GRADE 3	GRADE 2	GRADE 1
Strong breeze	Fresh breeze	Moderate breeze	Gentle breeze	Light breeze	Light air

Table of values for the total maximum wind load per sq meter of awning [kg/m²] according to the awning dimensions:												
		LT										
		200	240	280	320	360	400	440	480	520	560	600
HG	120	6	6	6	6	6	6	5	5	4	4	3
	160	6	6	6	6	6	5	5	4	4	3	3
	200	6	6	6	6	6	5	5	4	3	3	3
	240	6	6	6	6	6	5	4	4	3	3	3
	280	6	6	6	6	5	4	4	4	3	3	3
	320	6	6	5	5	5	4	4	4	3	3	3

CHAPTER 5: PACKING, HANDLING AND TRANSPORTATION

The 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 tehcnical 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 or to the fabric cover.
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 while the components are lifted up so that no one can stand under the suspended load. Securely fasten the packages of the awning in order to prevent it from falling.

IMPORTANT: unpack with the use of scissors with rounded tips in order to not damage the fabric and the aluminium paint (and the fabric of the side drop awnings). 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

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 usually is not performed directly by staff from ***Gibus S.p.A.*** but by staff 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 - AZIMUT 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 and the fabric cover, , so avoiding any risk of falls. At the time of installation arrange all the tools mentioned on the first pages of the "Installation Instructions - AZIMUT 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 electrical insulation level of the power supply group of the Pergola is Class I. **Therefore, the structure must be earthed.**

WARNING: the vertical side awnings have tubular motors with electrical insulation levels lower than class II. The 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 can be of the unstable position type, “man-controlled”, or stable position type “not man controlled”. 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.**

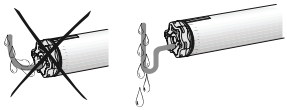
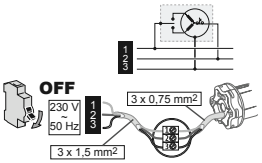
WARNING: if the Pergola is installed at a height from the walkable floor lowest than 2,30 m in its lowest travel point, **it is necessary to use the “man present” control.**

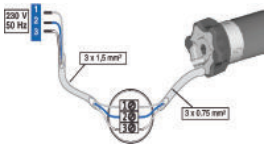
IMPORTANT! Never connect two or more engines to one single switch / inverter without using a control unit. Do not connect the two switches / inverters to a single engine. There is a risk of induced currents resulting in damage to the engines.

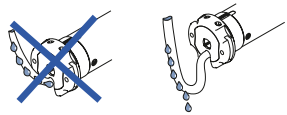
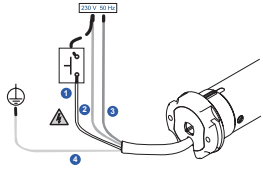
The electrical connection of the motor must be done after the installation and by authorized personnel.

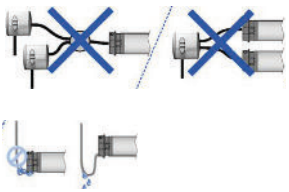
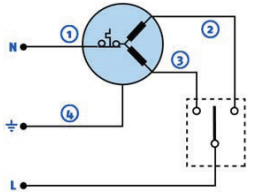
IMPORTANT!: we recommend that you don’t connect any device or accessory that is not specified in this instruction manual.
The manufacturer refuses all liabilities for damage caused by the improper use of system devices or for uses that are not given in this instruction manual. For further information, please contact Technical Support.

Note: follow the electrical diagrams and the assembly instructions which are kept in the awning accessory box.

IO SOMFY ENGINES WITH REMOTE CONTROL		
WARNINGS	**CABLES** 230 VAC - 50 HZ	**ELECTRICAL WIRING**
	N = Neutral L = Phase ⏚ (3) = Ground (Yellow/Green) 1 = Blue 2 = Brown	

RTS SOMFY ENGINES WITH REMOTE CONTROL		
WARNINGS	**CABLES** 230 VAC - 50 HZ	**ELECTRICAL WIRING**
	N = Neutral L = Phase ⏚ (3) = Ground (Yellow/Green) 1 = Blue 2 = Brown	

RX CHERUBINI ENGINES WITH REMOTE CONTROL		
WARNINGS	**CABLES** 230 VAC - 50 HZ	**ELECTRICAL WIRING**
	N = Neutral L = Phase ⏚ (4) = Ground (Yellow/Green) 1 = White 2 = Brown 3 = Blue	

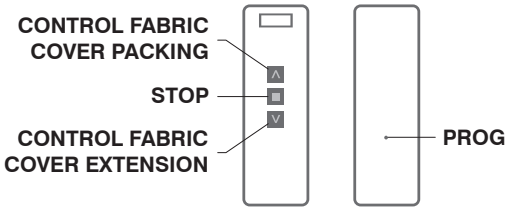
WT SOMFY ENGINES (WIRED)		
WARNINGS	**CABLES** 230 VAC - 50 HZ	**ELECTRICAL WIRING**
	N = Neutral L = Phase ⏚ (④) = Ground (Yellow/Green) ① = Blue ② = Brown ③ = Black	

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

6.3 RADIO CONTROL

The motorized running of the awning with radio motors involves the use of a radio control which allows to control the movements of the fabric cover in a simple and intuitive way:

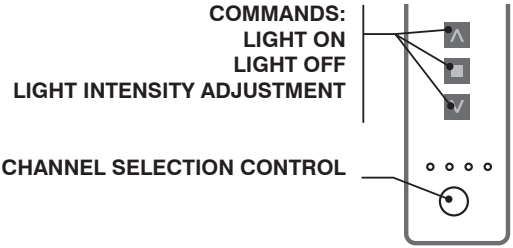
The button ▲ controls the packing of the fabric cover while the button ▼ controls the extension of he fabric cover.
The button ■ stops the movement of the awning.



The radio control is already programmed/matched during the production / installation of the awning. For more information on the procedure for programming and adjusting the endstops, refer to the attached "Installation Instructions" and the Instructions that are attached to the specific device.

If there are more functions than the motor such as SPOT lights or RGB lights, the remote control has multiple channels.
A function is programmed in each channel, e.g. motor in channel 1, SPOT lights in channel 2, RGB lights in channel 3 etc.

To switch on, press ▲.
to switch off press ▼.
for intensity 50% press ■ (MY).
to reduce intensity, long press ▼.
to increase intensity, long press ▲.



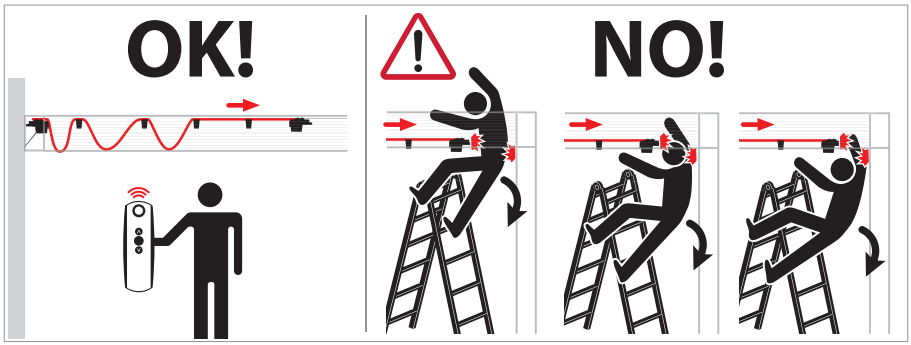
In case of side drop awnings, the latter can be operated by the same remote control (by selecting the appropriate channel), or with dedicated remote control.

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 awning, 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 in safety 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, to prevent risks of crushing/cutting, do not allow any parts of the body to get between the mobile front of the awning and the fixed housings for the structure (guttering, etc.). This is particularly important when the front is moving.



IMPORTANT: Before starting the limit switch adjustment, it is necessary to identify the type of engine installed on the awning.
Check the enabling of the thermal switch after about 4-5 minutes.

ATTENTION: if the installation of the side drop awnings needs more than one radio motor, it is advisable to power one motor at a time to avoid interference between them all. During programming then power the 1st motor and program its remote control, then disconnect the power supply to the 1st engine and power up the 2nd, repeat the programming and so on.

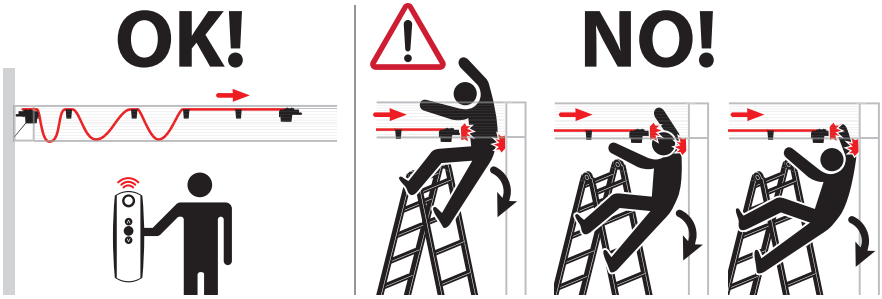
IMPORTANT: after installation the declaration for proper installation must be compiled by the installer (Sec. 14 par. 1).

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 Pergola only as a protection against the sun and for the purposes described in this manual (see chap. 2.1 “PURPOSE AND INTENDED USES OF THE PERGOLA”).

WARNING: Before operating the pergola, check that there are no persons or objects that hinder the opening and closing when the awning is positioned at a height lower than 2.50 [m] from the walkable floor (especially if the lowest point in the travel is at a height of less than 2,30 [m] from the walkable floor).
To prevent risks of crushing/cutting, do not allow any parts of the body to get between the mobile front of the awning and the fixed housings for the structure. This is particularly important when the front is moving.

ATTENTION: for safety reasons before activating the side drop awnings, make sure that there are no person or objects that prevent the awning from opening or closing.



The opening and closing of the motorized awning can be performed thanks to a switch, installed in the vicinity of the awning and in a position such as to allow the user the total visibility of its movements (if placed outdoor, the switch must be suitably protected) or, in the case of radio engines, using a portable or wall mounted radio control (see sec. 6.3) or wall (the awning must be operated from a site able to guarantee a good visibility of the excursion of the fabric cover).

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

CAUTION: the awning must be packed in case of snow, hail and heavy rain; (such as preventing the water from draining regularly), strong wind (*); it is dangerous to leave the awning open in these cases, it can cause injury to persons and damage to property. Please roll up the side drop awnings Screen.

(*) The awning is recommended to be exposed to a maximum wind load equal to 170 Newton/m^2 corresponding to a continuous wind at a maximum speed of 60 Km/h according to the Beaufort scale. For the sake of safety, it is therefore strictly required to pull the cloth back (rewinding any side closures) long before exceeding the aforementioned limit. If there is no sensor, pack the cloth (and rewind any side closures) if there is a strong wind.

The motors ot the pergola (and the motors of side drop awnings) are equipped with an electromagnetic brake and thermal protection. For its technical characteristics, the motor provides a maximum time of continuous operation for about 4-5 minutes, after which the thermal protection device is activated for cooling. The standard use of the awning provides an opening and closing manoeuvre.

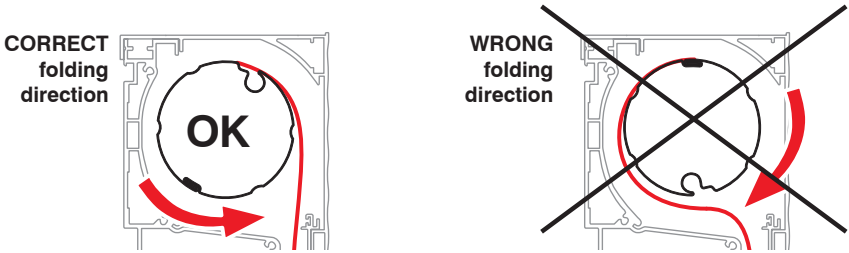
ATTENTION: never perform repeated opening and closing operations with the engine, this will activate the thermal switch, resulting in the shut-down of the engine and making manoeuvres impossible in case of need (presence of strong wind or snow).

It is required, if the thermal switch is triggered, to let the engine cool before performing new actions.

If the awning was inadvertently left opened (or extended side fabrics) and ice was formed or snow deposited on it, do not pack (or roll up the side fabrics) after having previously removed the snow or melted the ice. Otherwise the movement could be obstructed and the fabric cover or other components might be damaged.

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

IMPORTANT! When the side awnings are opened, they must be folded by following the correct folding directions of the winding roller. Failure to follow this recommendation can damage the canvas and other components.



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

If the awning is equipped with an anemometric sensor, never set the wind speed above the wind resistance of the awning itself (maximum threshold recommended for AZIMUT: 60 Km/h; perimeter drop awnings: 40 km/h).

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.

8.1 IMPORTANT INFORMATION ON USE

Regardless of the high standards of weaving, treatment of tissues and packaging techniques, the fabric covers may be subject to the following problems:

- **MOULD**: The high concentration of harmful pollutants in the atmosphere resulting in acid rain, the installation of the awning in the vicinity of roads, air conveyors, of tall trees, with the consequent fall of resins and vegetable material, may cause the fabric covers, despite being treated with anti-mould products and **if constant maintenance cleaning is not carried out**, be attacked by micro-organisms, in such magnitude as to make it impossible the subsequent cleaning.

IMPORTANT: water resistance on fabrics, Printed and Waterproof, is guaranteed only on fabric not affected by mould.
BIOCIDES - Some fabrics are subjected to treatment that makes them hostile to the formation of mould and mildew. Such treatments can contain biocidal products (agents intended to destroy, intimidate or make harmless, in a biological or chemical way, harmful organisms). See section 3.6.

- **FOLDS** - Spider Web Effect: May be formed in the packaging of the fabric cover; especially in light colours these folds become darker marks on the fabric. In any case there is no degradation of the quality of the awning.
- **WAVES**: May be formed next to the seams and to the side edges because of the double thickness of fabric which, packed around the roller, creates different tensioning.
- **FRAYING AND ABRASION**: The fabric, if exposed to strong wind and constant stress, may show signs of wear, fraying and abrasions.

N.B.: There could be folds on Cristal, especially in the central band of the fabric. These folds are unevitable and are not a defect.

IMPORTANT! As highlighted in the preceding paragraphs does not constitute product defect and therefore is not covered by warranty.

IMPORTANT! The fabric cover should always be packed when perfectly dry; if packed when wet it is is more easily attacked by moulds and can cause the phenomenon of waves close to the seams.

IMPORTANT! The extended fabric cover should always be tensioned, so you will prevent the fabric from “banging” at every breath of wind.

IMPORTANT! Failure to follow the conditions for proper use, automatically voids any warranty given by the manufacturer.

CHAPTER 9: MAINTENANCE

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

IMPORTANT: it is compulsory to ask a Gibus technician for an extraordinary maintenance operation within the 2nd year from the installation of the awning; this will extend the warranty up to the 5th year.
If this is not done, the Gibus warranty will no longer be valid. Use original Gibus spare parts; otherwise, the warranty will be voided.

The compulsory maintenance required by the end of 2nd year, must be carried out by a Gibus technician and must minimally include an **inspection of the correct movement of the fabric, positioning of the endstops in opening and closing, make sure that the wind sensor is working if it is present.**
Also check the recommendations in paragraph 9.2 titled “MAINTENANCE OF THE PERGOLA” (such as the belt tension, the conditions of carriages and fabric) and those in the “Product Maintenance Technical Sheet” available in the reserved area of the 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 FABRIC COVER AND THE SIDE FABRICS

The cleaning of the fabric cover is necessary to safeguard the fabric itself against the formation of mould caused by dust or other material deposits, 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) to visually check the state of wear of the fabric cover of the pergola, the side drop awnings and perimeter gutters; to clear the upper part of the fabric cover of leaves, branches, pine cones every time deemed necessary;
- **if necessary** clean the fabric covers by vacuuming the dust using a damp sponge or cloth with lukewarm water and non-aggressive products.

- **do not use solvents – ammonia – hydrocarbons;**
- **follow the instructions shown on the label of the fabric cover; do not dry wash; do not wash in the washing machine (for washing of the Cristal, the use either of very alkaline detergents or any kind of substance or abrasive equipment are not recommended, which tend to dull and create micro-fractures, decreasing the transparency);**
- **leave the fabric open to dry after cleaning. Don't roll up the wet fabric.**

For more information consult the information sheet of the fabric used in the current sample and when in doubt consult your dealer.

Follow the following procedure to safely clean the fabric:
- Extend the awning.
- Release the tension in the awning.
- Clean the exposed fabric (follow the instructions) using the appropriate method, with a vacuum or other device.

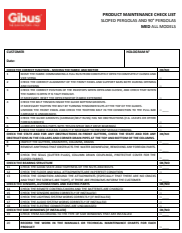
9.2 MAINTENANCE OF THE PERGOLA

IMPORTANT: please open and close the awning periodically (open the fabric completely and fold it up completely as well as the perimeter screen closures) and periodically check 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;
  - check the tightening and the integrity of bolts and nuts, as well as screws. Check that the floor attachments and wall/ceiling attachments are in perfect conditions. Check the condition around the fixing devices (pay attention to cracks and that the screws are properly tightened).
  - before use during summer check the tensioning of the belts and the condition of the trolleys (check that the slot of the guides housing the trolleys/belts is completely free from leaves or other material). Lubricate the moving parts with Teflon spray;
  - check that the gutters are free of leaves and debris. Remove parts that block the movement or prevent water from flowing out;
  - make sure that the remote controls are working as well as the sensors (in particular the wind sensor) and the lighting installation. Check the grounding is efficient;
  - if necessary clean the surfaces of the aluminium beams before removing dirt, dust and smog. Clean the surface with a paper rag and a wet sponge as explained in the previous paragraph;
- **yearly**, check the side drop awning, both the conditions of the zips and the sliding of the front section along the guide. Check the fabric conditions as well.

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".


Gibus

PRODUCT MAINTENANCE CHECK LIST
SLOPED PERGOLAS AND 90° PERGOLAS
MOD. ALL MODELS

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 when the awning is fully packed (including the side drop awnings).
- Disconnect the power supply to the system.
- Disconnect the system downstream the cut-off switch.
- Disconnect the engine.
- Remove the fabric pack.
- Remove the boxes, remove the fabric rollers and finally dismount the structure.

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 awning 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.

ATENTION: 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 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 negative 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 your body between the mobile front of the cloth pack and parts of the fixed housing structure (guttering, etc.). This is extremely important when the front is 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

FAILURES	CAUSES	SOLUTION
During handling of the awning the driving front does not move forward at right angles to the guides.	The trolleys are misplaced: the driving trolleys were properly compacted prior to insertion of the drive shaft during installation.	Remove the engine shaft. Align the driving trolleys and reinsert the engine shaft.
The awning does not completely pack. The awning does not completely extend.	Incorrect adjustment of limit switches.	Repeat the adjustment of limit switches as per installation instructions.
The engine is very noisy.	Faulty engine.	Request for technical servicing.
The engine does not start up.	Faulty wiring.	Check the electrical circuit with the diagrams annexed.
	Faulty engine.	Check the operation of the engine and replace if necessary
The motor stops after 4-5 minutes after continuous running	Thermal protection of the motor triggers.	Allow the engine to cool down.

SIDE DROP AWNINGS		
PROBLEMS	**CAUSES**	**REMEDIES**
The fabric retracts unevenly.	Uneven thickness of the fabric.	Apply a suitable thickness of the fabric or something else on the idle loop of the fabric in the side of the cone.
The awning does not compact perfectly. The awning does not open fully.	Incorrect endstop regulations.	Adjust the endstop regulations as given in the installation instructions.
Noisy motor.	Faulty motor.	Request technical assistance.
Motor does not turn.	Incorrect cabling.	Check the electric circuit against the attached diagrams.
	Faulty motor.	Check the motor and replace if needed.
	The remote control is out of power.	Change the batteries.
The motor stops after 4 - 5 minutes of continuous use.	Motor thermal protection triggered.	Let the motor cool down.
The front cover does not fully extend on both sides or one side.	Guides not perfectly aligned.	Align the guides correctly.

With RTS, RX or IO Engines and built-in radio control		
FAILURES	**CAUSES**	**SOLUTION**
The engine does not start up.	Programming error or unplanned.	Repeat the programming.
	Remote control with low battery.	Replace the remote control battery.
	Faulty engine.	Replace the engine
The motor moves only by holding down the button on the remote control.	Incomplete programming.	Complete the programming.

With electronic units		
FAILURES	**CAUSES**	**SOLUTION**
The awning does not pack in case of strong wind.	Faulty control unit or wind sensor.	Replace the Control Unit and/ or the wind sensor.
	Anemometer set to detect very high winds.	Adjust sensitivity.
The awning closes and opens frequently.	Calibration of too sensitive values. Trimmer adjusted in DEMO mode.	Adjust the calibration and sensitivity values.
Faulty remote control.	Low battery.	Replace the battery.
	Faulty remote control.	Replace the remote control.

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 Sun Awnings, Zip Awnings, Sloped Pergolas and Fly Pergolas (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. 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. As concerns the glass doors, both glass and seals 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 within the second 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 previously agreed. 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 personnel who are expressly proven to be addressed by the authorized Dealer, 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 Sun Awnings, Zip Awnings, Glass Doors, Sloped Pergolas and Fly 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 Sun Awnings, Zip Awnings, Glass Doors, Sloped Pergolas and Fly 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 as well as 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.

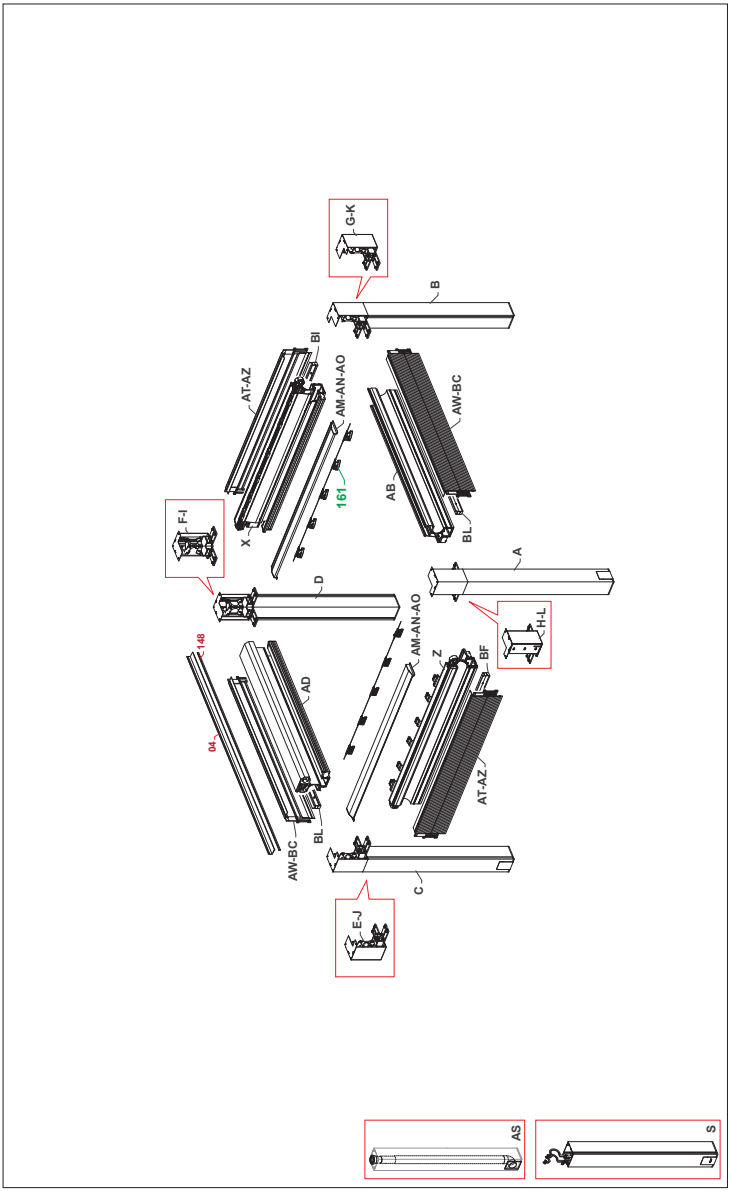
Art.12 Final remarks
The conventional guarantee is issued by GIBUS S.p.A. as also indicated in the "Use and Maintenance Manual" attached to each product that the authorized Gibus dealer shall handle to the customer and that the customer must demand.
This warranty is issued by:

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

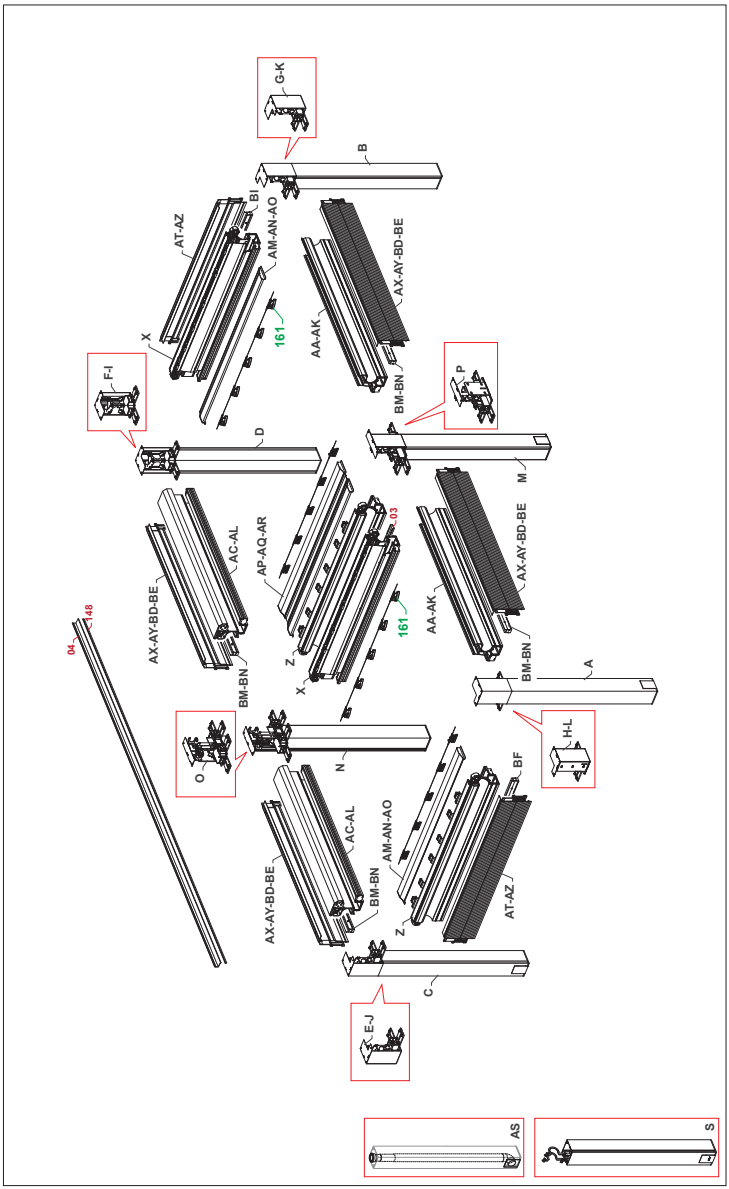
Per qualsiasi controversia, si elegge quale unico foro competente quello di Padova Italia.

CHAPTER 13: EXPLODED DRAWING OF *AZIMUT*

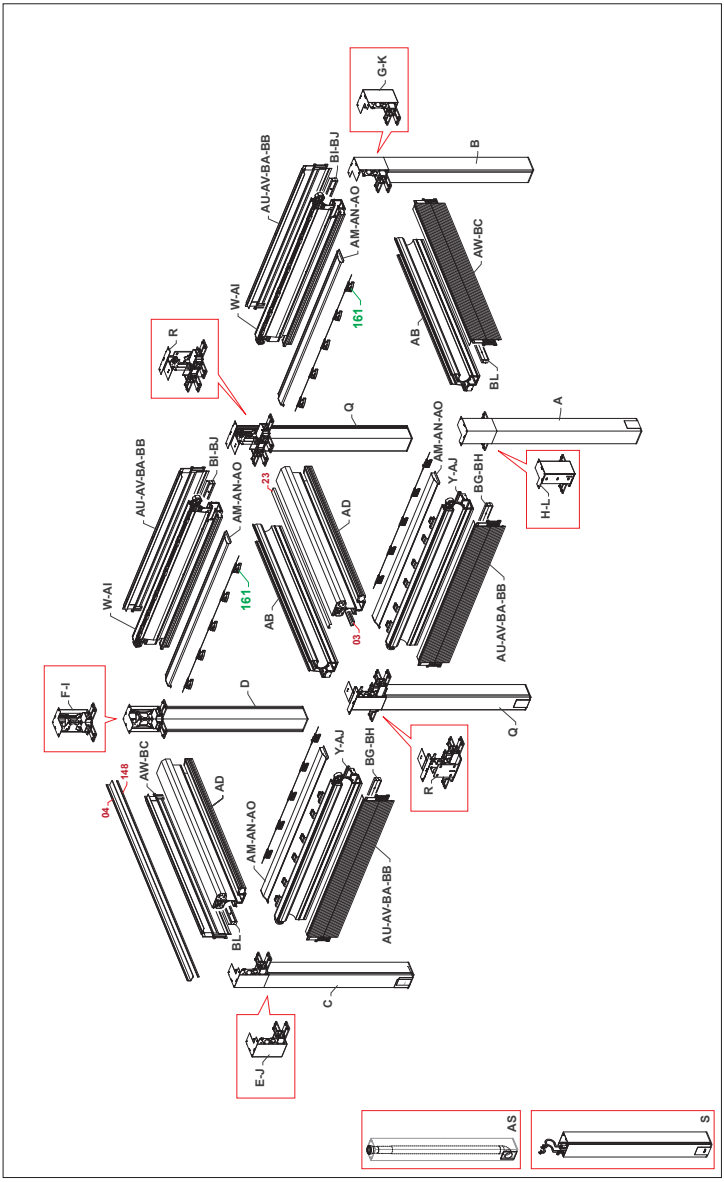
13.1 1 MODULE



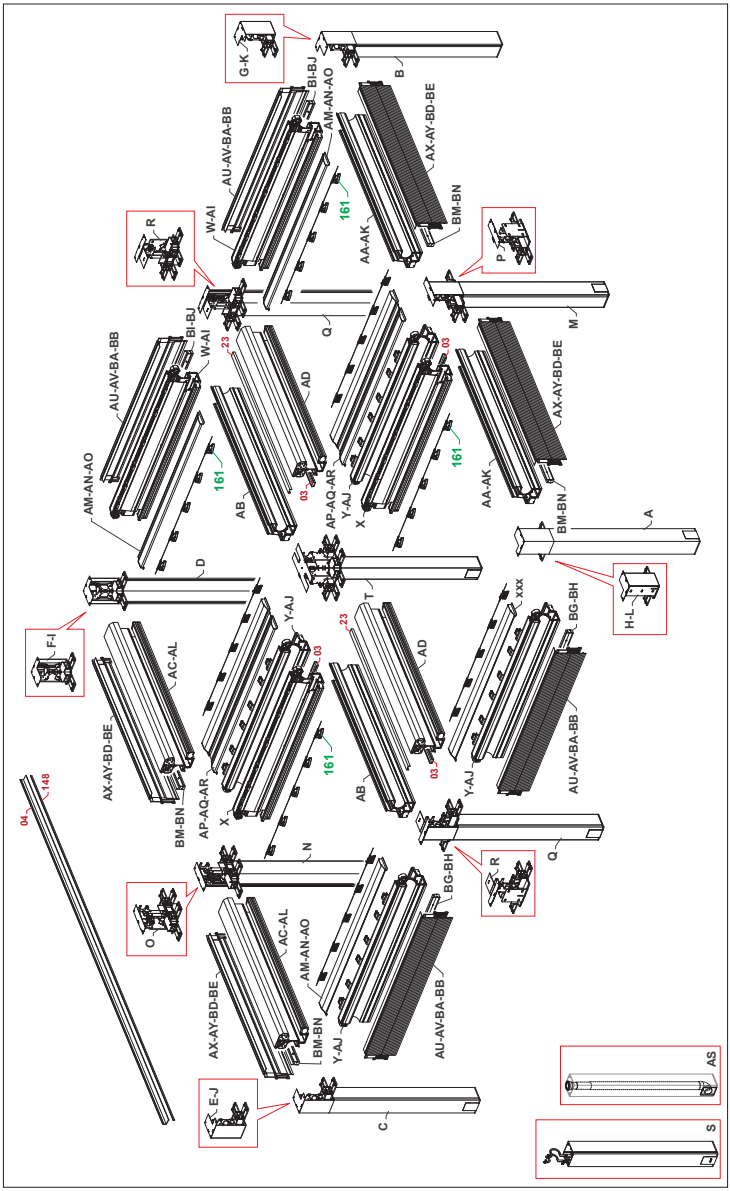
13.2 COUPLING MODULE TYPE 1



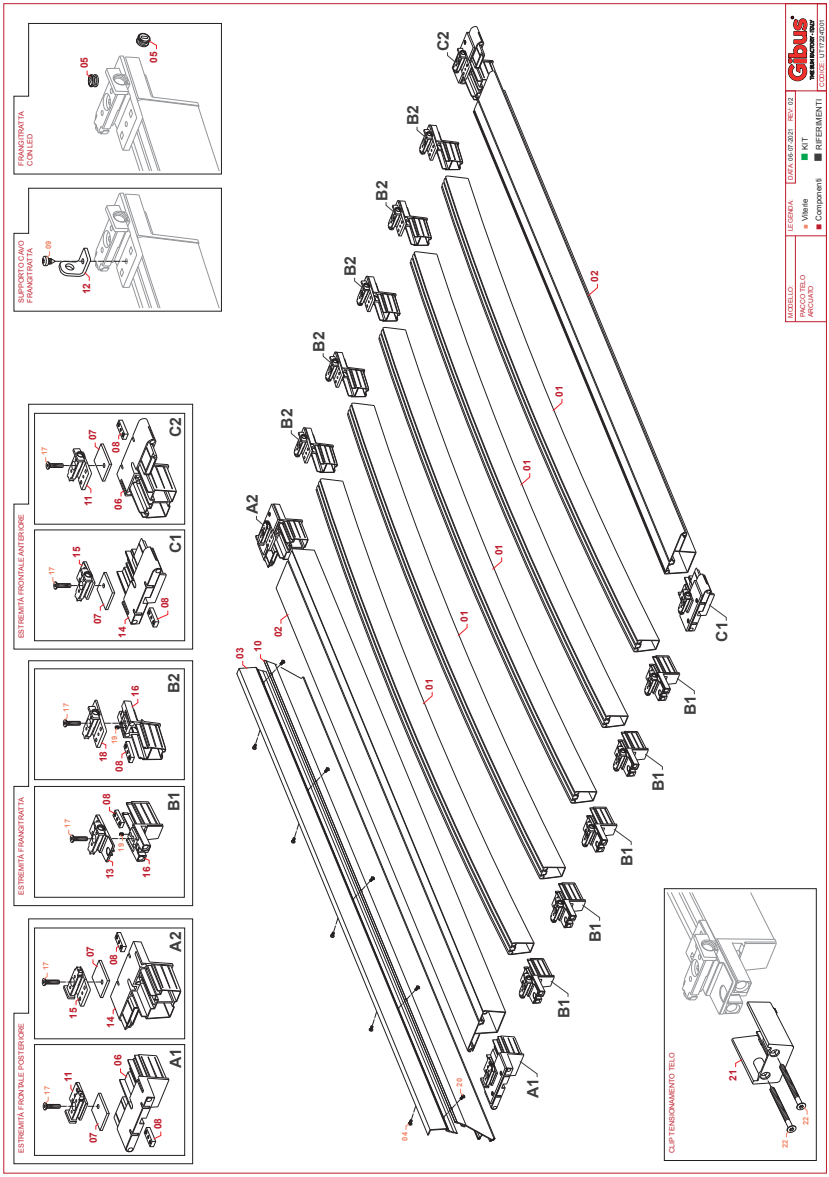
13.3 COUPLING MODULE TYPE 2



13.4 CROSS-SHAPED COUPLING



13.5 FABRIC COVER



CHAPTER 14: TECHNICAL NOTES

14.1 DECLARATION OF INSTALLATION

DECLARATION OF INSTALLATION (to be filled by the installer)			
AZIMUT			
☐ ISLAND ☐ FRONT LEANING AWNING ☐ SIDE LEANING AWNING	☐ 1 MODULE ☐ COUPLED	☐ WITHOUT SIDE DROP AWNINGS ☐ WITH SIDE DROP AWNINGS	
Size L: S:	**Fabric** Type: Colour:	**Fabric of side drop awnings** Type: Colour:	**Motor and Automations** Type:
The undersigned:	of the Company:	Reference:	
as:	Address:		

Declares under his sole responsibility
- of having used the components contained in the packaging of the products by Gibus and additional products provided for by the Installation Instructions;
- of having checked the technical compliance of the housing site;
- 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;
- 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.

Installation: Installation Notes:	date:	Stamp and signature Gibus technician:
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:

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.

Mandatory Maintenance Notes:

ADDITIONAL Installation Notes:

ADDITIONAL Mandatory Maintenance Notes:

14.2 MAINTENANCE AND NOTE REGISTER

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

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

14.3 PRODUCTION NOTES

See the product sheet attached to the back cover.

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THE SUN FACTORY · ITALY

VARIA/AZIMUT
CHIUSURE LATERALI

AZIENDA

Vs Riferimento

Data Ordine

☐ MONOMODULO ☐ ACCOPPIAMENTO TIPO 1 ☐ ACCOPPIAMENTO TIPO 2

	L (esterno gambe)	H (sotto grondaia)	Tipo Tessuto	Tipo Motore	Posizione Comando	Tipo Automatismo
AX1						
AX2						
AY1						
AY2						
AX3						
AX4						
AY3						
AY4						
BX1						
BX2						
BY1						
BY2						

VERNICIATURE

COLORE

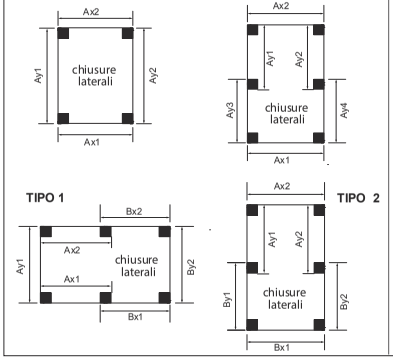
_____

☐ SATIN
☐ MATT
☐ SABLE'

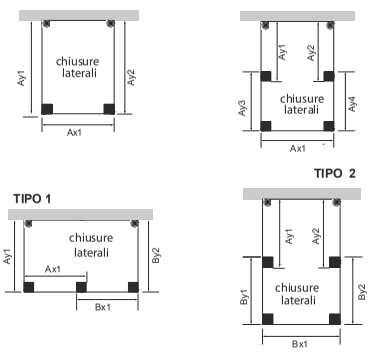
*GAMBA AGGIUNTIVA DA CONTEGGIARE IN CASO DI CHIUSURA INTEGRATA

NOTE

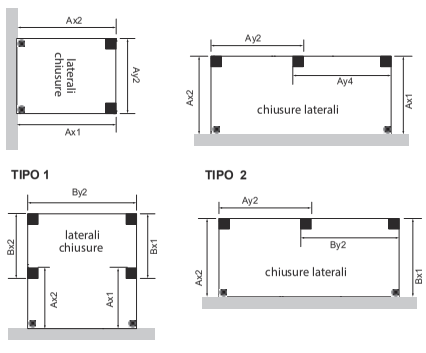
☐ ISOLA



☐ ADDOSSATA FRONTALE



☐ ADDOSSATA LATERALE



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CE UKCA

(*) The declaration of correct installation given by Gibus' specialized technician is essential for the warranty to remain valid. Please refer to the hologram and the serial number given on the last page.

DECLARATION OF INSTALLATION (*) **AZIMUT side drop awning**		
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:

SIDE DROP AWNING

(**) 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.

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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:

SIDE DROP AWNING

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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:

SIDE DROP AWNING

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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:

SIDE DROP AWNING

(**) $\mathbf{g_{tot}}$ **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 $\mathbf{g_{tot}}$ **Class** can be found in the corresponding table on the previous page.

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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:

SIDE DROP AWNING

(**) 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.

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CE | UK CA

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Recommended maintenance within the end of the 5th year	date:	Stamp and signature Gibus technician:

SIDE DROP AWNING

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Gibus®
THE SUN FACTORY

CE UKCA

(*) The declaration of correct installation given by Gibus' specialized technician is essential for the warranty to remain valid. Please refer to the hologram and the serial number given on the last page.

DECLARATION OF INSTALLATION (*) **AZIMUT side drop awning**		
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:

SIDE DROP AWNING

(**) 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.

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SIDE DROP AWNING

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SIDE DROP AWNING

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CHAPTER 15: ANNEXES

ANNEX 0 - EC MARKING

Gibus®

Via Einaudi, 35 - 35030 Saccolongo (PD)

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CE

UNI EN 13561

MUT 098-CPR-2018-02-20

Declaration of Performance no:	
Drop awning for outdoor use	
MODEL: Gibus® mod. AZIMUT	
Wind resistance AZIMUT:	**Technical class 4**
Windwiderstand Side drop awnings:	**Technical class 3**
Total solar energy transmittance g_{tot} AZIMUT :	**See the production specifications on the back cover**
Total solar energy transmittance g_{tot} Side drop awnings:	**See the production charts in the previous pages**

ANNEX 1 - SELF-CERTIFICATION DOCUMENT (*)

PERFORMANCE DECLARATION no: MUT 098-CPR-2018-02-20

1. Unique identification code for the product-type: **Gibus® mod. AZIMUT**
2. Serial number: **see the HOLOGRAM on the back cover**
3. Designed use: **Drop awning 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 **UNI EN 13561** harmonized standard:

Essential characteristics	Declared performance					
Wind resistance	Class 4 of the AZIMUT - Class 3 of the side drop awnings					
Solar factor g_{tot}	See the value in the product specifications on the back cover (AZIMUT) and on the previous pages (Side drop awnings) (**)					
	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.

Saccolongo, 15/02/2018
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.

ANNEX 2 - UKCA MARKING

Via Einaudi, 35 - 35030 Saccolongo (PD)

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EN 13561

MUT 098-CPR-2022-10-20

Declaration of Performance no:	
Drop awning for outdoor use	
MODEL: Gibus® mod. AZIMUT	
Wind resistance AZIMUT:	**Technical class 4**
Windwiderstand Side drop awnings:	**Technical class 3**
Total solar energy transmittance g_{tot} AZIMUT :	**See the production specifications on the back cover**
Total solar energy transmittance g_{tot} Side drop awnings:	**See the production charts in the previous pages**

ANNEX 3 - SELF-CERTIFICATION DOCUMENT (*)

PERFORMANCE DECLARATION no: MUT 098-CPR-2022-10-20

1. Unique identification code for the product-type: **Gibus® mod. AZIMUT**
2. Serial number: **see the HOLOGRAM on the back cover**
3. Designed use: **Drop awning 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 4 of the AZIMUT - Class 3 of the side drop awnings					
Solar factor g_{tot}	See the value in the product specifications on the back cover (AZIMUT) and on the previous pages (Side drop awnings) (**)					
	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.

Saccolongo, 15/10/2022
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 S.p.A.
Via Luigi Einaudi, 35
35030 Saccolongo (PD) - ITALIA
www.gibus.it - gibus@gibus.it

HOLOGRAM

PRODUCT SHEET

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