



# EROS

# TECHNICAL MANUAL

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🚱 Giménez Ganga®

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### IMPORTANT

It is important to read these instructions carefully before installation, operation, repair or first use, in order to protect the safety of persons and to the integrity of the product.

### **1. GENERAL RECOMMENDATIONS REGARDING SAFETY, USE AND RESTRICTIONS**

In order to ensure the safe assembly, use and maintenance of this product, a number of precautionary measures must be taken. Please observe the following warnings and instructions, for the safety of all concerned.

Please contact your distributor with any queries.

- This manual is intended as a reference for experienced professionals and should therefore not be used by DIY amateurs or trainee fitters.
- This manual describes the installation of the product assembly components, and refers to the electrical control installation manuals. if necessary, this manual should be supplemented with instructions for any additional components not described herein.
- -Please read this manual carefully before starting work.
- Some components may be sharp or have jagged edges. It is therefore advisable to wear safety gloves.
- All parts supplied have been designed specifically for this product. The replacement or addition of other parts may have a negative effect on the safety of the product and its warranty. In addition, the CE certification of this product will become invalid if any parts are replaced or if the installation is not carried out in accordance with the instructions in this manual. The installer shall accept full responsibility in this regard.
- Ensure that the assembly area is sufficiently illuminated. Remove any obstacles or dirt. Make sure nobody is present besides the fitters. Unauthorised

persons (especially children!) may interfere or cause hazards during installation.

Before assembly, it is very IMPORTANT for your safety and that of the product to follow all the recommentions listed below. A poor-quality installation may cause harm to people or damage to the installation itself.

Once the product has been unpacked, the professional fitter has to check its integrity. Before starting the installation, the arrangement of all components and tools must be checked in order install the product correctly. In case of doubt, contact **Giménez Ganga**' stechnical department.

Under no circumstances should a damaged product be installed, as it may damage the equipment and create situations that are dangerous for people.

These systems are exclusively intended for the use for which they were designed. Any other use is inappropriate, and therefore dangerous.

The system installation must always be performed by a professional fitter, respecting the manufacturer's indications, as well as knowing and applying all the regulations in force.

### IMPORTANT

For power operated products, the existing voltage must be checked before installation.

The connection must always be a grounded connection. Otherwise, do not continue the installation as it may be dangerous.

Should any damage and/or a system malfunction be detected, **do not continue** with the installation.

The manufacturer will not be liable for damage caused during the installation due to non-compliance with these recommendations.

# 2. PRODUCT DESCRIPTION

2.1 PARTS LIST EROS SPIRE



CODE	COMPONENTS	
024431	Gear Saxun awning 1:7 L80 Long screw	
022819	Lacquered crank handle with a zinced hook	
024675	Charge profile Eros	1
022494	Profile Tolper 62 (only assembly without guides)	1
022962	Set of caps for Tolper 62 profile	
022212	Pair side brackets Paravento	1
022269	Nylon round cap gear 13x35 ø60 square axle (up to 3,75)	1
022271	Nylon round cap gear 13x35 ø70 square axle (from 3,75)	
022267	Nylon round cap gear 12x20 ø60 round axle (up to 3,75)	1
022268	Nylon round cap gear 12x20 ø70 round axle (from 3,75)	

CODE	COMPONENTS
024077	Pair guide profile bearing 120x40
024090	Guide 120x40
022092	Windbreaker stainless steel security lock
022810	Brush 9x7,3 for windbreaker guide
022805	Axle ø60 (up to 3,75)
022806	Axle ø70 (from 3,75)
022089	Folding ring (only assembly without guides)
022108	Strap with buckle for curtain (only assembly without guides)
022090	Bridge flange
	CODE 024077 024090 022092 022805 022805 022089 022090

# 2.2 PARTS LIST EROS LENS



# CODE COMPONENTS

024431	Gear Saxun awning 1:7 L80 Long screw
022819	Lacquered crank handle with a zinced hook
024675	Charge profile Eros
022494	Profile Tolper 62 (only assembly without guides)
022962	Set of caps for Tolper 62 profile
022212	Pair side brackets Paravento
022269	Nylon round cap gear 13x35 ø60 square axle (up to 3,75)
022271	Nylon round cap gear 13x35 ø70 square axle (from 3,75)
022267	Nylon round cap gear 12x20 ø60 round axle (up to 3,75)
022268	Nylon round cap gear 12x20 ø70 round axle (from 3,75)
024077	Pair guide profile bearing 120x40

CODE		COMPONENTS							
	024090	Guide 120x40							
	022092	Windbreaker stainless steel security lock							
	022810	Brush 9x7,3 for windbreaker guide							
	022805	Axle ø60 (up to 3,75)							
	022806	Axle ø70 (from 3,75)							
	024674	Profile reinforcement Eros							
	024697	Eros reinforcement profile cover							
	022089	Folding ring (only assembly without guides)							
	022108	Strap with buckle for curtain (only assembly without guides)							
	022090	Bridge flange							

# 2.3 PARTS LIST EROS BLIND



CODE COMPONENTS				COD	
024431	Gear Saxun awning 1:7 L80 Long screw			024	
022819	Lacquered crank handle with a zinced hook			024	
024675	Charge profile Eros	ſ		022	
022494	Profile Tolper 62 (only assembly without guides)	1		022	
022962	Set of caps for Tolper 62 profile			022	
022212	Pair side brackets Paravento	1		022	
022269	Nylon round cap gear 13x35 ø60 square axle (up to 3,75)			022	
022271	Nylon round cap gear 13x35 ø70 square axle (from 3,75)			022	
022267	Nylon round cap gear 12x20 ø60 round axle (up to 3,75)	_			
022260	Nylon round can goar 12x20 g70 round axlo (from 2.75)	1	15	022	
022200	Nyton round cap year rzzzo 070 round akte (from 5,75)				

CODE		COMPONENTS
	024077	Pair guide profile bearing 120x40
	024090	Guide 120x40
	022092	Windbreaker stainless steel security lock
	022810	Brush 9x7,3 for windbreaker guide
	022805	Axle ø60 (up to 3,75)
	022806	Tubo de enrolle ø70 (a partir de 3,75)
	022089	Folding ring (only assembly without guides)
	022108	Strap with buckle for curtain (only assembly without guides)
	022090	Bridge flange

# 3. WIND RESISTANCE, CUTTING BOARDS AND SELECTION

### 3.1 WIND RESISTANCE (EN 13561)

### WIND RESISTANCE EN 13561

	WIDTH														
HIGHT	1.50	1.75	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50	4.75	5.00
2.50	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
2.75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Class 0 < 29 Km/h	Class 2	≈ 38 Km/h
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### 3.2 MOTOR SELECTION

MOTOR SELECTION (Nm)															
Widht (m)	1.50	1.75	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50	4.75	5.00
Axle Ø80 mm	10 Nm														

### **3.3** MANUFACTURING DISCOUNTS

DISCOUNTS (mm)

	Máquina interior	Motor Somfy
Axle Ø60 and Ø70	L - 100	L - 82
Canvas	L - 110	L - 92
Load bar	L - 100	L - 82

# 4. VIEWS AND CROSS-SECTIONS

### 4.1 SUPPORT CROSS-SECTION



### 4.2 SUPPORT INSTALLATION VIEW

FRONT INSTALLATION



**WALL** INSTALLATION



### **5. ASSEMBLY AND INSTALLATION**

### 5.1 ROLLING TUBE ASSEMBLY



Insert the fabric into the shaft as shown in the picture and attach it with plugs and screws.



Pass the screws (A) from the outside through to the disc of the stand (B) and attach them to the machine's threaded holes (C). Next, place the assembly in the sleeve (D) previously placed on the shaft.

Fit the end cap (A) on the axis. Then insert the tip holder disc (B) on the end cap.

### 5.2 TERMINAL ASSEMBLY



Insert the fabric into the windbreaker profile and secure its ends with plugs and screws.

### 5.3 ROLLER TUBE PLACEMENT



Clamp the shaft with the rolled-up tarpaulin and insert the windbreaker profile (A) into the guides already fixed to the surface (B). Then install the funnel on the guide profile (C).



Next, with the shaft clamped, place the roller tube with the tip holder disc inserted (D) on the bracket and secure it with the screw (E). Repeat this process with the machine bushing.

If there are no guides, they shall be fixed to the surface by means of a belt protruding from the Tolper profile and a hinged ring with sheet metal.

### 5.4 SUPPORT PLACEMENT





To fix the brackets to the ceiling or wall, insert the corresponding anchors through the holes in the bracket (A).

If wall mounting is desired, insert the corresponding anchors through the holes in the bracket (B).

### 5.5 SUPPORT MOUNTING



### 5.6 GUIDE MOUNTING



To fix the guides to the surface, position the guides and mark the holes. Next, drill holes in the marks and use the corresponding anchors according to the surface.

### **6. MAINTENANCE**

### 6.1. CLEANING AND CARE

For best use and extended durability of the screen, it is recommended to carry out regular maintenance and checks at least once a year, or even more often depending on the wear and tear caused by wind at the installation site.

To prevent rusting, periodic cleaning of gutters and profiles using neutral soap is recommended. This should be done at least once a year and more frequently for materials exposed to aggressive atmospheric conditions (marine, industrial, airborne dust, etc.) It is important to thoroughly rinse the products with water after using detergents to clean them, to avoid the build-up of salts on the profiles' surfaces.

This periodic cleaning, if done correctly, removes exogenous agents from the material's surface that may attack their covering and aluminium components, prolonging the lifespan of the profiles and maintaining their appealing aesthetic.

To clean the canvas, we recommend removing the dust that has accumulated without using water, to enable you to remove all the surface particles by vacuuming, air blowing, beating or brushing.

If you wish to remove finger or grease marks, use water with neutral soap. If they are water-based marks, clean them with at most a sponge and rub with a damp cloth.

#### NEVER use detergents or other chemical products.

Finally, the user must bear in mind the need to check the tightness of the screws in accordance with the tightening torques.

### 7. ANNEX I

### 7.1. WHAT TO DO IN CASE OF EMERGENCY

PROBLEM	CAUSES	SOLUTIONS
The fabric moves to one side	Badly levelled screen	Place the supports so that they are correctly levelled
The motor ceases to work after several minutes of continuous use	Thermal motor protection	Allow the motor to cool down for a few minutes

### 8.1 MOTOR CONFIGURATION

### **1. INTRODUCTION**

### 2. SAFETY

2.1. Safety and responsibility.

2.2. Specific safety regulations.

### 3. INSTALLATION

- 3.1. Motor preparation.
- 3.2. Tube preparation.
- 3.3. Motor tube installation.
- 3.4. Tube motor set assembly.

### 4. CABLES

### 5. START-UP

- 5.1. Identification of the setting steps already performed.
- 5.2. Prior registration of Somfy io local control point.
- 5.3. Motor rotation direction check.

5.4. Limit switch setting.

- 5.5. Prior registration of first Somfy io
- local control point.
- 5.6. Settings check.

### 6. USE

- 6.1. Standard use.
- 6.2. Use with a Somfy io sensor.
- 6.3. Feedback

### 7). ADDITIONAL SETTINGS

- 7.1. Favourite position ("My").
- 7.2. Addition or deletion of control points and
- local control point.
- 7.3. Modification of limit switches.
- 7.4. Advanced functions.

### 8. TIPS AND TRICKS

8.1. Do you have any questions about the Sunea screen io?8.2. Replacing a lost or damagedSomfy io control point.8.3. Restoring to original settings.

### 9. TECHNICAL DATA

### **1. INTRODUCTION**

The Sunea Screen io motor has been designed for all types of screens with side arms, as well as vertical screens that do or do not have a cassette.

### What is io-homecontrol®?

The Sunea screen io uses io-homecontrol<sup>®</sup>, a new, safe and wireless communication protocol used by the top manufacturers in the home furnishing sector. The io-homecontrol<sup>®</sup> technology allows communication and control using a single control point and comes with all kinds of accessories for comfort and safety.

The flexibility and perfect compatibility of the io-homecontrol<sup>®</sup> system allow it to adapt to the ever-changing needs of the customer. Automatisation of the rolling and main entrance shutters, the exterior screens, the portico and the garage door to garden lighting, all thanks to the io-homecontrol<sup>®</sup> system.

The ever-growing range of accessories are compatible with the existing installation thanks to io-homecontrol® technology, that guarantees their interoperability.

For further information, consult the website **www.io-homecontrol.com** 

### 2. SAFETY

### 1. Safety and responsibility

Before installing and using the product, read this guide carefully.

A property motorisation and automatisation professional must carry out the installation of this Somfy product. This guide is directed at such professionals.

The installer must also comply with the standards and regulations in force in the country of installation and must inform their clients of the terms and conditions of use and maintenance of the product.

Any use differing from the application established by Somfy shall be considered prohibited use. This, along with any breach of the instructions contained in this guide, shall lead to the exemption of Somfy from any responsibility and guarantee.

Before its installation, check the compatibility of this product with the associated equipment and accessories.

### 2. Specific safety regulations

In addition to the safety standards described in this guide, the instructions detailed in the attached document, titled "Safety standards that must be respected and conserved" must be followed.



Cut the electrical power to the awning before performing any maintenance procedures.

#### 3. To avoid damaging the motor:







Do not submerge.

Avoid dropping.





Do not drill.

Avoid operation in the case of formation of ice on the screen.

### **3. INSTALLATION**

The Sunea io must be installed in a location that is protected from the elements.

#### 1. Motor preparation



1.1 Insert the crown (A) and the wheel (B) into the motor.



**1.2** Measure the length (L1) between the inner edge of the motor head and the end of the wheel.

#### 2. Tube preparation





**2.2** Cut the tube to the required length. Remove burrs and shavings from the rolling tube.



**2.3** For smooth tubes, make a notch according to the dimensions indicated: -e = 4 mm + 1 - h = 28 mm.



3. Motor - tube installation



**3.1** Insert the motor into the rolling tube. For rolling tubes. For smooth rolling tubes, align the notch you have made with the crown.



The screws or Pop rivets must not be attached to the motor, just to the wheel.



**3.2** For safety reasons, attach the rolling tube to the wheel with 4  $\emptyset$ 5 mm Parker screws or 4  $\emptyset$ 4.8 mm Pop steel rivets situated:

- At a minimum of 5 mm from the exterior end of the wheel: L1 5, and
- At a maximum of 15 mm from the exterior end of the wheel: L1 15.

#### 4. Tube - motor set assembly



**4.1** Assemble the tube-motor set on the end support (C).



**4.3** According to the type of support, install stop ring (E) (for  $\ge 85$  Nm, motors with a stop ring the blocked stop ring (F) must be used).

4.2 Assemble the tube-motor set on the motor support (D).

### 4. START-UP

This guide only describes the start-up process with a Situo io type Somfy io local control point. For start-up with any other type of io control point, consult the relevant guide.

### 1. Identification of the setting steps already performed

**IMPORTANT** Only one motor must be powered at a time.



#### 2. Provide power and follow process "A" or "B" according to the actions of the awning:

#### A) The awning moves slightly

The limit switches are set and there is no io control point registered. Continue to the chapter titled "Registration of first Somfy io local control point".

#### B) The awning does not move

Press the raising or lowering button and carry out process "c" or "d" according to the reaction of the awning:





Registration of the first

Somfy io local control point.

#### C) The awning still isn't moving

The limit switches are not adjusted and there is no Somfy io control point registered. Continue to the "Prior registration of first Somfy io local control point" chapter.

#### D) The awning raises or lowers completely

The limit switches are set and the Somfy io control point is registered. Continue with chapter titled "Use".



Registration of the first Somfy io local control point.



### 3. Prior registration of the Somfy io local control point

Simultaneously press the raising and lowering switches: the awning will move briefly. The Somfy io local control point will have been registered in the motor.



### 4. Motor rotation direction check

### 4.1. The awning still isn't moving

A) If the awning rises, the rotation direction is correct. Continue to the "Limit switch adjustment" chapter.

**B)** If the awning lowers, the rotation direction is incorrect: press the "My" button until the awning moves. The rotation direction will have been modified.

4.2. Press the raising button to check the rotation direction.



#### 3. Setting the limit switches

The upper and lower limit switches must be adjusted.



### **IMPORTANT**

If the raising button is pressed for more than 2 seconds, the awning will continuously raise itself.

### 3.1 Setting the upper limit switch

1. If the raising button is pressed for more than 2 seconds, the awning will continuously raise itself.

2. Stop the awning in the desired position.

3. If necessary, adjust the position of the awning using the raising and lowering buttons.

4. Simultaneously press the "My" and lowering buttons: the awning lowers continuously even after you stop pressing the "My" and lowering buttons.

5. At mid-height, briefly press the "My" button to stop the awning and continue to the next phase.









5





### 3. Lower limit switch adjustment

1. Position the awning in the lower limit switch position.

# IMPORTANT

If the lowering button is pressed for more than 2 seconds, the screen will roll down continuously.

2. Stop the awning in the desired position.

**3.** If necessary, adjust the position of the awning using the raising and lowering buttons.

**4.** Simultaneously press the "My" and lowering buttons: the awning lowers continuously even after you stop pressing the "My" and lowering buttons.

**5.** At mid-height, briefly press the "My" button to stop the awning.

**6.** Press the "My" button again until the screen moves: the limit switches are now registered. Continue to the "Prior registration of initial Somfy io local control point" chapter.

### 4. Prior registration of first Somfy io local control point

# 1. Using a previously registered Somfy io local control point

Briefly press the PROG button of this control point (G): the awning moves briefly and the control point will have been registered.

### 5. After an electrical power source cut

**1.** Simultaneously press the raising and lowering buttons of the new control point (H) until the awning moves.

**2.** Briefly press the PROG button of this control point (H): the awning moves briefly and the control point will have been registered.

### 6. Settings check

Check the settings of the upper and lower limit switches with the Somfy io local control point.



1





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2







6

1





### 6. USE

Standard use

1. Favourite position ("My")

### Definition

The motor can register an intermediate position named "favourite position (My)" that is different to the upper and lower limit positions.

To register, modify or delete the favourite position ("My"), consult the "Additional settings" chapter.

To use the favourite position ("My"): Briefly press the "My" button: the awning will start moving and will stop in the favourite position ("My").

### 2. STOP Function

The awning is moving. Briefly press the "My" button: the awning stops automatically.

### 3. Raising and lowering buttons

If you briefly press the raising or lowering button, the awning raises or lowers completely.





#### Use with a Somfy io sensor

 Use with a Somfy io solar sensor (Sunis WireFree™ io) Consult the guide for the Somfy io wind sensor for further information about its use.

### 2. Use with a Somfy io wind sensor

(Sunis Eolis WireFree™ io) Consult the guide for the Somfy io wind sensor for further information about its use.

#### 3. Behaviour of the awning in windy conditions

When conditions are windy, the awning will start to move to reach the upper limit switch. It is impossible to impede the raising of the awning and make it lower itself while conditions are windy.

#### 4. Behaviour of the awning in non-windy conditions

Once the wind stops, the control point can transmit a manual descent command after 30 seconds. Notwithstanding, all the automatisations will still remain blocked for 11 more minutes.

#### 5. Feedback

After each order, the Sunea io sends a message. This response is handled by the bidirectional io control points.



### 7. ADDITIONAL SETTINGS

### **FAVOURITE POSITION ("MY")**

### 7.1 Registering or modifying the preferred position ("My")

The processes of registering and modifying the preferred position ("My") are the same.

1. Place the awning in the desired position "My".

**2.** Press the "My" button until the awning moves: the preferred position ("My") will be registered.

### 7.2 Deleting the preferred position ("My")

The processes of registering and modifying the preferred position ("My") are the same.

**1.** Press the "My" button: the awning will move and stop in the preferred position (My).

**2.** Press the "My" button again until the awning moves: the preferred position ("My") will be deleted.

#### 7.3 Addition or deletion of control points and Somfy io sensors

Consult the relevant guide.

#### 7.4 Modification of limit switches

The upper and lower limit switches can be modified.

### Readjusting the upper limit switch

**1.** Place the awning in the upper limit switch position.

**2.** Press the raising and lowering buttons simultaneously until the awning moves: the motor is now in adjustment mode.

**3.** Adjust the upper position of the awning using the raising and lowering buttons.

**4.** Press the "My" button again until the awning moves: the new upper limit switch has been registered.















4 my

Readjusting the lower limit switch

**1.** Place the awning in the lower limit switch position.

**2.** Press the raising and lowering buttons simultaneously until the awning moves: the motor is now in adjustment mode.

**3.** Adjust the upper position of the awning using the raising and lowering buttons.

**4.** Press the "My" button again until the awning moves: the new lower limit switch has been registered.



1

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### ADVANCED FUNCTIONS



Contact the awning manufacturer before using these functions to check the compatibility of its installation.

### 7.9 "Back Impulse" function

This function allows the canvas to be tightened during every lowering movement of the awning. It can be adjusted up to  $\frac{1}{2}$  a turn of the rolling tube.

1. Place the awning in the lower limit switch position.

**2.** Press the "My" and raising buttons simultaneously until the awning moves: the motor is now in programming mode.

3. Adjust the canvas tension using the lowering or raising buttons (max.  $\frac{1}{2}$  tube turn).

**4.** Press the "My" button until the awning moves: the canvas tension has been registered.

1

3





4





### 8. TIPS AND TRICKS

#### 8.1.Do you have any questions about the Sunea screen io?

PROBLEM	POSSIBLE CAUSES	SOLUTIONS		
The awning doesn't work.	The wiring is incorrect.	Check the wiring and modify it if necessary		
	The motor is too hot.	Wait for the motor to cool down.		
	The cable used is incorrect.	Check the cable used and make sure it		
		nas 3 wires.		
	The Somfy io control point battery needs	Check the battery and change it if a new battery is needed.		
	replacing.			
	The control point is incompatible.	Check compatibility and change the control point if neces- sary.		
	The io Somfy control point used is not registered with the motor.	Use the registered control point or register this control point		
The awning stops too soon.	The crown is positioned incorrectly.	Mount the crown correctly.		
	The limit switches are incorrectly programmed.	Set the limit switches again.		

# **8.2 Replacing a lost or damaged Somfy io control point** Consult the relevant guide.

8.3 Restoring original configuration

Consult the relevant guide.

# IMPORTANT

The double power cut-out should only be carried out on the motor that is to be reset.



### **IMPORTANT**

This restoration eliminates all control points, sensors, all limit switch settings and resets the direction of rotation and the preferred position ("My") of the motor. However, the configuration of the advanced functions ("Back impulse", "Back release", "Closing force") will be maintained.

1) Place the awning in the middle position (if possible).

2) Disconnect the electrical power source for 2 seconds.

**3)** Re-connect the electrical power source for between 5 and 15 seconds.

4) Disconnect the electrical power source for 2 seconds.

**5)** Re-connect the electrical power source: the awning will move for a few seconds.

If the awning is in the upper or lower limit switch position, it will move briefly.

**6)** Keep the PROG button pressed down: the awning makes an initial movement and another a few moments later. The motor has now reverted to the factory configuration.

- Repeat the process detailed in the chapter entitled "Start-up" chapter.



## 9. TECHNICAL DATA

Radio frequency	868-870 MHz io-homecontrol® bidirectional triband		
Power source	230 V ~ 50 Hz		
Use temperature	-20 °C a +70 °C		
Protection index	IP 44		
Maximum number of control points and associated sensors	9		
Security level	Class I		

### 9.ANNEX III

**9.1.** DISASSEMBLY AND DISPOSAL OF THE PACKAGING AND COMPONENTS OF THE PRODUCT AT THE END OF ITS USEFUL LIFE

### **IMPORTANT**

The packaging must be recycled by the authorised professional who installed the product.

We advise you to recycle the product packaging responsibly:

• Please dispose of this waste in accordance with the current regulations:

-Directive 94/62/EC on packaging and packaging waste.

- Spanish Law 11/1997 of April 24th on packaging and packaging waste.

- Please sort the waste by separating each and every one of the various materials, to facilitate effective disposal of the packaging.
- Do not dispose of packaging materials together with other types of waste. Take them to a packaging materials collection point designated by the local authorities.
- In order to minimise the environmental impact of packaging and packaging waste, it is necessary to define the composition and nature of the packaging of our products to recommend their best disposal.

**Paper and cardboard:** In waste management, the recycling of paper and cardboard plays an important role, because up to 70% can be reclaimed. The disposal of paper and cardboard can be do through various channels such as collection by private operators or delivery to waste treatment plants.

**Plastic:** The recycling of plastics has many advantages for the environment and therefore benefits the quality of life of everyone, contributing to a greater saving of raw materials as well as natural, energy producing and economic resources. The disposal of plastic can be done by private operators or delivered to waste treatment plants.

**Bubble wrap:** This is made of low density polyethylene, which makes it 100 % recyclable. For optimal disposal, please deliver any waste comprising this material to plastic waste treatment plants.

### **OUR COMMITMENT TO THE ENVIRONMENT**

One of Giménez Ganga's objectives is to maintain socially responsible behaviour. This commitment to the environment implies continuous improvements in the measures that are adopted to combat climate change.

Promoting responsible care of the environment, complying with the legal and regulatory requirements applicable to our products and promoting energy saving in all our projects are measures that are essential for us to achieve our objectives.

### DISASSEMBLY AND REMOVAL OF THE PRODUCT

When disassembling this product, a number of precautionary measures must be taken. Observe the following warnings and instructions. Please contact your supplier with any queries.

Disassembly may only be carried out by experienced fitters. This manual is not intended for DIY enthusiasts or installers in training.

For more information on these disassembly instructions, please refer to the chapters regarding installation in this manual that contain diagrams and detailed information.



The disassembly of the product at the end of its useful life must be carried out by qualified personnel, and in order to carry it out, the reverse steps that were carried out for its assembly must be performed.

### IMPORTANT

Always act with care. Please only use suitable tools that are in perfect condition.

### • Step 1

Remove the funnels from the guide profiles.

### • Step 2

Raise the fabric to its limit switch position.

### • Step 3

Loosen the screws at the bottom of the brackets.

### • Step 4

Remove the shaft with the rolled-up tarpaulin from the supports.

### Step 5

Remove the tarpaulin and the windbreaker profile from the rails.

### Step 6

Loosen the guide rails' anchors to remove the guides. • **Step 7** 

Loosen the bracket anchors and remove both.

### Step 8

Loosen the screws of the wind-shield profile and remove the tissues. If no guide rails are used, loosen the screws on the Tolper end profile and remove the tarpaulin.

### Step 9

Loosen the screws on the winding tube and remove the discs from the brackets, the machine or motor and the bushes.

### • Step 10

Finally, loosen the screws on the roller tube and remove the cover.

# IMPORTANT:

Ensure than you dispose of all pieces of the product taking into account the nature of its materials.

COMPONENTS	STEEL GALVANISED	STAINLESS STEEL	ALUMINIUM	WEEE	PLASTIC	TEXTILES			
Profiles			•						
Screws		•							
Axle	•								
Funnel guides									
Caps	•				•				
Motor		•		•	•				
Motor supports		•	•		•				
Supports		•	•						
Tolper profile covers					•				
Canvas						•			

Our products are mainly made of recyclable materials. It is advisable to be informed about the recycling or disposal systems provided for in the current regulations in your country for this product category.



- Always act with care. Please only use suitable tools that are in perfect condition.

- Ensure than you dispose of all pieces of the product taking into account the nature of its materials.



This symbol means that the product must not be disposed of together with household waste as it must be collected separately for recovery, reuse or recycling in accordance with local regulations.



In compliance with European Directive 2012/19/EU, waste electrical and electronic equipment (WEEE) can become a serious environmental problem if not managed properly. The Directive provides the general framework valid throughout the European Union for the disposal and re-use of waste electrical and electronic equipment.

At the end of the service life of the electrical or electronic equipment, it must not be thrown away together with other types of waste. They can be delivered to the specific centres regulated for this purpose by the local authorities.

The effective separation of waste will avoid negative consequences for the environment and health that could result from poor waste management or inadequate waste disposal.



### IMPORTANT

By complying with this directive, you will be acting in favour of the environment and will contribute to the conservation of natural resources and the protection of health.

Local regulations may impose signi cant penalties for illegal disposal of the product.

# THE MATERIALS THAT OUR PRODUCTS ARE MADE OF OFFER A GREAT VARIETY OF ENVIRONMENTAL ADVANTAGES



### **GALVANISED STEEL**

Galvanised steel is a type of steel which undergoes a certain treatment, at the end of which it is coated with several layers of zinc which protect it, avoiding oxidation. The recycling of zinc helps reduce demand for new materials and as a result generates considerable energy savings, being a metal that constitutes a very valuable and sustainable resource.

For proper recycling of galvanised steel, it is advisable to visit a metal waste collection centre.



### STAINLESS STEEL

Stainless steel is an iron alloy containing nickel and chromium to protect against corrosion and rust. Its qualities include resistance to high temperatures and being a particularly strong material. Stainless steel is an infinitely recyclable "green material". Its properties make it ideal for exposure to poor weather conditions.

Therefore, to ensure proper disposal of stainless steel, it is recommended that this material be left at a specialised waste collection centre.



### ALUMINIUM

Aluminium recycling guarantees an endless variety of environmental benefits. The use of recycle aluminium saves 95% of the energy used in its production in its raw state, and it can be recycled as many times as desired and is fully recoverable. Therefore, the recycling of aluminium is both technically and economically pro table.

Therefore, to ensure proper disposal of aluminium, it is recommended that this material be left at a specialised waste collection centre.



### CABLES

The recycling of electrical cables prevents the contamination that can come from these elements. Its recycling allows for the subsequent use of the copper, aluminium and brass from the cables, once they are separated from their plastic insulation.

Electrical and electronic waste must be taken to clean points for proper recycling.



### PLASTIC

Plastic recycling provides a sustainable source of raw material for the industry. Its reuse also significantly reduces environmental problems, as it is a non-biodegradable material.

Recycling reduces energy consumption and CO2 emissions, thus mitigating pollution and climate change.

There are several types of plastic, so to achieve optimal recycling it is essential to deposit them in clean points where the separation of the different types and their identification will take place.



### TEXTILES

The use of textile waste is essential when we talk about recycling. Reuse of such waste helps to reduce the consumption of water and the gases that are released in the manufacturing process.

In order to encourage the proper disposal of textiles, it is recommended that they be left at a specialised waste centre where the different textile fibres will be separated.

### IMPORTANT

Follow the recommendations for effective product recycling. Remember that recycling is more than an action; it is the value of accepting responsibility

