

# OPERATING INSTRUCTIONS

## FOR RETRACTABLE AWNINGS



### Important safety instructions for the user

Dear MHZ Customer,

Congratulations on purchasing your new MHZ product! You have chosen a product of high quality. The safety of all MHZ awnings complies with recognised engineering regulations. Nevertheless, we feel duty bound to familiarise you with the following safety information. To ensure that you gain great pleasure from your product for many years to come, we would therefore ask you to heed these operating instructions.

#### 1. Reading the operating instructions

 The operating instructions must be read prior to the first use of the awning. It is important for the safety of users and others that these instructions are followed. Failure to do so absolves the manufacturer of any duty of liability.

All instructions are to be kept by the customer for future reference and must be passed on to the new owner if the awning is sold.

#### 2. Safety notes and warnings relating to operating instructions

Safety notes can be found at the corresponding spot in the text. They are marked with a symbol and a note.

 **Important safety note:**

Notes of guidance that are important for the functioning of the product and that if disregarded can result in serious injury or death are marked with this warning triangle.

 **Important safety note:**

These notes indicate a risk of electric shock, which can result in serious injury or death, and are marked with this warning triangle.

#### 3. Product identification

 Every one of our awnings is marked with a CE label. The label is an integral part of the product and to enable possible later identification may not be removed. See point 23. CE declaration label. It is attached on the inside of the drop bar

#### 4. Use for the intended purpose

 The awning is a sunshade system and may be used only for its intended purpose of providing shade from the sun. Considerable danger may result from improper use.

Any alterations, such as add-ons or modifications not provided for by the manufacturer, may be carried out only with the manufacturer's written consent.

Applying additional loads to the awning by attaching objects or through cord tensioning can result in it becoming damaged or falling down and are not permitted.

#### 5. Operation

 It must be ensured that the awning is not operated by children or by anybody unable to appreciate properly the dangers arising from using it incorrectly. Wireless remote controls are to be stored out of their reach.

 When extending or retracting the awning, ensure that there are no people or obstacles blocking its path or touching any of its parts.

 When bad weather, such as rain, high winds or a thunder storm, is looming, the awning must always be retracted in good time and may not be used. Should it, however, no longer be possible to retract the system in time, e.g. due to power failure or damage, people must in that case be kept out of the awning's danger area.

 The fabric and housing may become electrically charged as the awning is extended and retracted. If anyone touches the fabric or housing, the electrostatic charge may discharge via their body

 Before using the system for the first time see also in this regard the separately enclosed setting and operating instructions from the manufacturers of the motor, switching system and controls

 In its extended state the awning fabric should always be taut. If necessary, wind the awning back in a bit. Always retract the awning completely. In this way you ensure that the awning fabric is kept as clean as possible.

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Important safety instructions for the user

### 6. Awning with crank handle operation

- Hook the crank's hook into the gear unit grommet.
- Hold the crank firmly by the two rotary handles. During the operating process, pull the crank slightly towards you.
- Rotate the crank in the relevant direction. The awning extends or retracts.

 Note of guidance on art\_01, art\_02, VEGAS, nova\_02, CLASSIC and CLASSIC Maxima

The 'Click' gear unit for awning systems  
GFT - Gear Free-running Technology

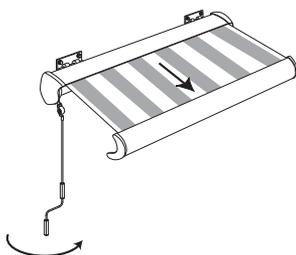
This new form of gear technology perfects how your awning extends and retracts. The GFT construction contains an integrated mechanism, via which the awning's optimum end position is automatically achieved. This results in a series of benefits:

- By virtue of the setting defined at the factory, every fabric reaches the best possible position.
- When the awning is shipped, the end positions have already been precisely set; as a consequence it extends and retracts in a way that preserves materials and guarantees reduced wear and tear.
- Drooping awning fabrics or wrong winding are now things of the past. The particularly clever thing is that achieving the correct awning end position is not only indicated by the fabric being taut, but the optimum end positioning is also signalled by a convincing click sound.
- Should the fabric nevertheless ever droop when extended, the end position can be adjusted in the extended state (see installation instructions). Contact your MHZ specialist retailer about this.

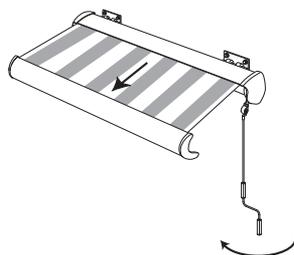
EXTENDING (awnings shown are illustrative only)

Operating side left

Operating side right



Rotate the crank anti-clockwise  
- Awning extends -



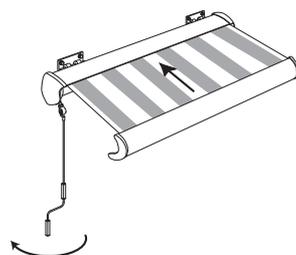
Rotate the crank clockwise  
- Awning extends -

 **Retract:** Wind awning in until the drop bar is fully retracted. By doing this, you ensure that when the system is closed the fabric stays as clean as possible.

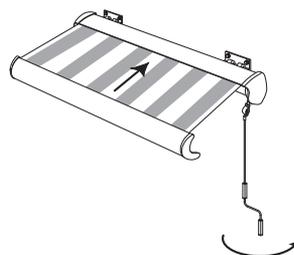
RETRACTING (awnings shown are illustrative only)

Operating side left

Operating side right



Rotate the crank clockwise  
- Awning retracts -



Rotate the crank anti-clockwise  
- Awning retracts -

- After the operating process, unhook the crank and store it in a safe place. Alternatively it must be secured against any uncontrolled movements (e.g. caused by the wind).

### Important safety instructions for the user

#### 7. Electrically operated awning

Should the fabric droop when extended or should the drop bar stop in a position other than where you want it, then the end position can be adjusted in the extended state (see installation instructions).

Contact your MHZ specialist retailer about this.

 Before using the awning for the first time see also in this regard the separately enclosed setting and operating instructions from the manufacturers of the motor, switching system and controls.

#### 8. Automatic control system

 Never extend the awning without supervising the process. Under extreme conditions (e.g. power cuts, faults, sudden storms) an automatic control system can fail. There is a risk of the awning being damaged or falling down. The automatic control system must be switched to manual operation during periods of frost.

**Recommendation:** If you are away, switch the automatic control system to manual operation and leave the awning retracted.

#### 9. Use in sun

 UVA and UVB rays  
Dark coloured MHZ fabrics provide up to 100% protection from harmful UVA and UVB rays. Lighter colours (including plain white) provide protection of up to 90% of UV rays. Please note that values are reduced in regard to sun rays that come in from the sides. This can result in quicker fading of furniture or result in skin and eye irritation (sun-burn/sun stroke).

 Sun exposure may result in the heating up of the system housing, particularly in the case of dark housing colours.  
Caution - Risk of burns from touching the housing.

#### 10. Use in windy conditions

 The awning fulfils the requirements of the wind resistance category specified in the enclosed CE mark of conformity (see point 24. CE mark of conformity). The wind resistance class achieved following installation depends to a key extent on the type and number of fixings and to the surface to which the awning is fixed.

The awning must not be exposed to wind stronger than the wind resistance class declared by the installation company. The wind resistance class used by the installation company may deviate from the wind resistance class specified by the manufacturer.

#### Explanation of the wind resistance classes

##### Wind resistance class 0:



The wind resistance class 0 corresponds (according to DIN EN 13561) to either a non-required or unmeasured performance or to a product that does not meet the requirements of class 1.

The awning may not be used in windy conditions.

##### Wind resistance class 1:



MHZ awnings must not be extended in winds stronger than force 5.

Definition as per the Beaufort scale: **Fresh breeze, fresh wind.** Small trees in leaf start to sway; crested wavelets form on inland waters.  
Speed 29-38 km/h = 8.0-10.4 m/s

Source: German Weather Service (DWD) - Offenbach

#### 11. Use in light rain

 If the awning's pitch is less than 14° (25%) measured from the horizontal, it must not be extended in the rain. There is a danger of water collecting on the awning fabric, as a result of which the awning could become damaged or fall down. The awning fabric must always be taut. If necessary, wind the awning back in a bit. Never leave the awning extended and unsupervised in the rain. A damp or wet retracted awning must be extended and dried out immediately after the rain has subsided.

### Important safety instructions for the user

#### 12. Use in snow and ice

 The awning may not be extended if it is snowing or there is a risk of frost. There is a risk of the awning being damaged or falling down.

 If the awning is operated using an automatic control system, the controller must be turned off over the winter months due to the risk of frost and must be switched to manual operation.

 There is a danger in winter of icicles or sheets of ice forming on/next to the awning, which can cause damage or serious injuries when they fall off. Do not sit or stand under the awning in winter and carefully remove the icicles and/or sheets of ice. Any snow lying on it must be removed.

#### 13. Foliage and foreign objects

 Leaves and any other foreign objects lying on the awning fabric or box must be cleared away at once. There is a risk of the awning being damaged or falling down.

#### 14. Hindrances

 There must be no obstacles in the area into which the awning extends. There is a danger of people there being squashed.

#### 15. Cleaning and maintenance work in the area into which the awning extends

 It is possible for motorised awnings to be set in motion unintentionally. When any cleaning or maintenance work is being done (e.g. by building cleaners), it must therefore be ensured that all power to the system is cut off (e.g. by flipping the trip switch).

If the awning is used by several users, a priority locking system (controlled external electricity cut-off switch) must be used, which makes the retraction and extension of the awning impossible during cleaning and maintenance work.

The general safety regulations regarding personal protective equipment (PPE) and the use of ladders must be observed.

Only use approved climbing aids (ladders).

#### 16. Upkeep and cleaning

- **Frame:**  
All aluminium parts are powder-coated and thus not susceptible to the weather. Nevertheless, we recommend that you clean the aluminium parts with water and a household detergent at regular intervals (do not use aggressive cleaning agents).
- **Awning fabric made of brand-name acrylic:**  
MHZ awning fabrics made of woven acrylic material have had an anti-rot, dirt-repellent treatment applied and can be wiped clean as necessary using lukewarm water. Soap solutions and additives must not be used for cleaning. If they are, the impregnated treatment will get washed off.
- **Awning valance**  
If your awning is equipped with a valance, you can take this out of the drop bar in the autumn. To do this, one of the end caps is unscrewed from the drop bar. In the case of carrier bar awnings the cap is removed with a simple twisting movement. The valance can subsequently be pulled out of the drop bar laterally.

##### Tip:

Pull out the piping inserted in the valance and push it back into the drop bar's beading channel. Your valance can then be easily rolled up and stored.

#### 17. Maintenance / repairs

 Safe and risk-free use of the awning can only be guaranteed if it is inspected and maintained regularly. The maintenance instructions and maintenance intervals must be followed.

The general safety regulations regarding personal protective equipment (PPE) and the use of ladders must be observed.

Only use approved climbing aids (ladders).

The following points should be carried out regularly, and in any case at least once a year

- Check for any early signs of wear or damage to the awning fabric, frame or electric cables.
- Check that the screws with which the awning is fixed to the wall/ceiling brackets are still screwed in tight.
- Clean the drop bar, especially in the area where the fabric is hooked in.

### Important safety instructions for the user

If any damage is identified, a specialist retailer or suitable, qualified support firm must be engaged to repair it. Any awnings in need of repair must be retracted and may not be used.

Before doing any cleaning, maintenance or repair work, the tension must be completely released from any taut joint arms (in extended state fabric must droop loosely). The joint arms must also be secured against any unintended folding. It is possible for extended drop bars to move or fold in when touched.

#### 18. Replacement parts

Only manufacturer-approved replacement parts may be used.

#### 19. Installation

The awning must be professionally installed by a qualified fitter, following the installation instructions supplied with it.

#### 20. Taking down and disposing of the awning

When you are taking down and disposing of the awning, any pre-tensioned parts (e.g. joint arms) must first be secured or have their tension completely released to safeguard against them extending unintentionally.

The general safety regulations regarding personal protective equipment (PPE) and the use of ladders must be observed.

Only use approved climbing aids (ladders).

#### Notes on disposal



This appliance falls under EC Directive 2002/96/EC on reducing the growing amount of electrical scrap, the aim of which is for waste from electrical and electronic devices to be reduced and disposed of in an environmentally compatible way:

This appliance must not be disposed of as general waste. To ensure that its materials are recycled or disposed of properly, take the appliance to the local authority waste collection points provided for this purpose.

Thoughtless, uncontrolled disposal can cause illness and environmental harm. By ensuring that your product is disposed of or recycled in a responsible way you are contributing to the protection of the environment and the safeguarding of public health.

#### 21. Electric drive

If the system is equipped with an electric drive, the following information applies:

Voltage: 250 V / 50 Hz.  
Output: max. 450 watts

#### 22. Sound pressure level

The sound pressure level of this awning when it is not installed is below 70 dB(A).

#### 23. CE declaration label:

Each of our awnings carries a CE label, which is affixed to the inside of the drop bar. The label is an integral part of the product and to enable possible later identification may not be removed.

Example of a CE label:



Generic term and product name

Manufacturer

Note: Outside Germany a different company or address may be entered here.

Important safety instructions for the user

### 24. Product label


MHZ Hachtel GmbH & Co. KG Sindelfinger Straße 21, D-70771 Leinfelden-Echterdingen Germany 2018 LE-001/1
EN 13561:2004+A1:2008 art_01, art_02, VEGAS, nova_02, CLASSIC, CLASSIC MAXIMA
External installations on buildings and other structures Wind resistance: Class 1 *

\* The declared performance applies only to the product.  
After installation, the mounting surface may result in a lower

For awnings mounted on wooden substructures and/or to rafters, and for awnings in special sizes or finishes, it is not possible to state wind resistance classes (class 0).

Wind resistance class for MHZ retractable awnings  
Class 1: Wind speed up to max. 10 m/s resp. up to  
max. 30 km/h wind speed

EU-KONFORMITÄTS-ERKLÄRUNG  
EU DECLARATION OF CONFORMITY  
DECLARATION DE CONFORMITÉ CE



Die Produkte: MHZ Gelenkarmmarkise; MHZ retractable awning; MHZ store banne  
The products: art\_01, art\_02, VEGAS  
Le produits: nova\_02, CLASSIC, CLASSIC Maxima

Verwendungszweck: außenliegender textiler Sonnenschutz  
Intended purpose: external textile sun shading system  
Domaine d'utilisation: protection solaire textile pour une utilisation en extérieur

Entspricht bei Motorantrieb den Bestimmungen der Maschinenrichtlinie 2006/42/EG.  
Meets the provisions of Machinery Directive 2006/42/EC in the case of motor drives.  
Conforme aux exigences stipulées dans la directive 2006/42 de la Communauté européenne relative aux machines avec entraînement par moteur.

Insbesondere wurden die folgenden harmonisierten Normen angewandt:  
In particular, the following harmonised standards were used:  
Les normes harmonisées suivantes ont en particulier été appliquées:

EN 60335-2-97: 2010 Sicherheit elektrischer Geräte für den Hausgebrauch und ähnliche Zwecke - Teil 2-97: Besondere Anforderungen für Rollläden, Markisen, Jalousien und ähnliche Einrichtungen

EN 60335-2-97: 2010 Household and similar electrical appliances - Safety - Part 2-97: Particular requirements for drives for rolling shutters, awnings, blinds and similar equipment.

EN 60335-2-97: 2010 Sécurité des appareils électriques pour une utilisation domestique et similaire - Partie 2-97: exigences spécifiques pour volets roulants, stores banne, stores vénitiens et équipements analogues.

EN 13561 Markisen - Leistungs- und Sicherheitsanforderungen (Deutsche Fassung EN 13561:2004+A1:2008)

EN 13561 Awnings - Performance requirements including safety (German version EN 13561:2004+A1:2008)

EN 13561 Stores extérieurs - Exigences de performance, y compris la sécurité (Version allemande EN 13561:2004+A1:2008)

Die Einhaltung der Schutzziele der Niederspannungsrichtlinie 2014/35/EU wurde gemäß Anhang I Nr. 1.5.1. der Richtlinie 2006/42/EG sichergestellt.

The safety objectives of Low Voltage Directive 2014/35/EU were guaranteed according to Appendix I No. 1.5.1. of Directive 2006/42/EC (german version).

Le respect des objectifs de sécurité définis par la Directive « Basse tension » 2014/35/UE a été assuré, conformément à l'annexe I, section 1.5.1. de la directive 2006/42/CE (version allemande).

Bevollmächtigter für die Zusammenstellung der technischen Unterlagen:

Person authorized to compile the technical documentation / Personne autorisée à constituer le dossier technique:

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97996 Niederstetten

Hersteller: **MHZ Hachtel GmbH & Co. KG**  
Manufacturer: Sindelfinger Straße 21,  
Fabricant: D-70771 Leinfelden-Echterdingen, Germany  
www.mhz.de

A handwritten signature in black ink that reads 'J. Hachtel'.

Jochen Hachtel

Geschäftsführer / managing director / Directeur

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