EN

CORTINA

USER'S AND INSTALLER'S MANUAL

Motorline® PROFESSIONAL

v1.1
REV. 03/2026

00. CONTENT

INDEX

01. SAFETY INSTRUCTIONS
STANDARDS TO FOLLOW 1B

02. PACKAGE
INSIDE THE PACKAGING 4A

03. AUTOMATISM
TECHNICAL SPECIFICATIONS 4B
MANUAL OPENING/CLOSING 4B
DIMENSIONS - WITH SAFE PROFILE + LATERAL GUIDES (INSIDE THE PASSAGEWAY) 5A
DIMENSIONS - WITH SAFE PROFILE (INSIDE THE PASSAGEWAY) 5B
DIMENSIONS - WITH SAFE PROFILE + LATERAL GUIDES (OUTSIDE THE PASSAGEWAY) 6A
DIMENSIONS - WITH SAFE PROFILE (OUTSIDE THE PASSAGEWAY) 6B
DIMENSIONS - WITHOUT SAFE PROFILE + LATERAL GUIDES (INSIDE THE PASSAGEWAY) 7A
DIMENSIONS - WITHOUT SAFE PROFILE (INSIDE THE PASSAGEWAY) 7B
DIMENSIONS - WITHOUT SAFE PROFILE + LATERAL GUIDES (OUTSIDE THE PASSAGEWAY) 8A
DIMENSIONS - WITHOUT SAFE PROFILE (OUTSIDE THE PASSAGEWAY) 8B

04. INSTALLATION
CURTAIN INSTALLATION 9
LIMIT-SWITCHES ADJUSTMENT 10

01. SAFETY INSTRUCTIONS

CE	This product is certified in accordance with European Community (EC) safety standards.
RoHS	This product complies with Directive 2011/65/EU of the European Parliament and of the Council, of 8 June 2011, on the restriction of the use of certain hazardous substances in electrical and electronic equipment and with Delegated Directive (EU) 2015/863 from Commission.
	(Applicable in countries with recycling systems). This marking on the product or literature indicates that the product and electronic accessories (eg. Charger, USB cable, electronic material, controls, etc.) should not be disposed of as other household waste at the end of its useful life. To avoid possible harm to the environment or human health resulting from the uncontrolled disposal of waste, separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources. Home users should contact the dealer where they purchased this product or the National Environment Agency for details on where and how they can take these items for environmentally safe recycling. Business users should contact their vendor and check the terms and conditions of the purchase agreement. This product and its electronic accessories should not be mixed with other commercial waste.
	This marking indicates that batteries should not be discarded like other household waste at the end of their useful life. Batteries must be delivered to selective collection points for recycling.
	The different types of packaging (cardboard, plastic, etc.) must be subject to selective collection for recycling. Separate packaging and recycle it responsibly.
	This marking indicates that the product and electronic accessories (eg. charger, USB cable, electronic material, controls, etc.) are susceptible to electric shock by direct or indirect contact with electricity. Be cautious when handling the product and observe all safety procedures in this manual.

01. SAFETY INSTRUCTIONS

GENERAL WARNINGS

- This manual contains very important safety and usage information. Read all instructions carefully before beginning the installation/ usage procedures and keep this manual in a safe place that it can be consulted whenever necessary.
- This product is intended for use only as described in this manual. Any other enforcement or operation that is not mentioned is expressly prohibited, as it may damage the product and put people at risk causing serious injuries.
- This manual is intended firstly for specialized technicians, and does not invalidate the user's responsibility to read the "User Norms" section in order to ensure the correct functioning of the product.
- The installation and repair of this product may be done by qualified and specialized technicians, to assure every procedure are carried out in accordance with applicable rules and norms. Nonprofessional and inexperienced users are expressly prohibited of taking any action, unless explicitly requested by specialized technicians to do so.
- Installations must be frequently inspected for unbalance and the wear signals of the cables, springs, hinges, wheels, supports and other mechanical assembly parts.
- Do not use the product if it is necessary repair or adjustment is required.
- When performing maintenance, cleaning and replacement of parts, the product must be disconnected from power supply. Also including any operation that requires opening the product cover.
- The use, cleaning and maintenance of this product may be carried out by any persons aged eight years old and over and persons whose physical, sensorial or mental capacities are lower, or by persons without any knowledge of the product, provided that these are supervision and instructions given by persons with experienced in terms of usage of the product in a safe manner and who understands the risks and dangers involved.
- Children shouldn't play with the product or opening devices to avoid the motorized door or gate from being triggered involuntarily.
- If the power cable is damaged, it must be replaced by the manufacturer, after-sales service or similarly qualified personnel to avoid danger.
- The device must be disconnected from the electrical network when removing the battery.
- Ensure that blocking is avoided between the actuated part and its fixed parts due to the opening movement of the actuated part.

WARNINGS FOR TECHNICIANS

- Before beginning the installation procedures, make sure that you have all the devices and materials necessary to complete the installation of the product.
- You should note your Protection Index (IP) and operating temperature to ensure that is suitable for the installation site.
- Provide the manual of the product to the user and let them know how to handle it in an emergency.
- If the automatism is installed on a gate with a pedestrian door, a door locking mechanism must be installed while the gate is in motion.
- Do not install the product "upside down" or supported by elements do not support its weight. If necessary, add brackets at strategic points to ensure the safety of the automatism.
- Do not install the product in explosive site.
- Safety devices must protect the possible crushing, cutting, transport and danger areas of the motorized door or gate.
- Verify that the elements to be automated (gates, door, windows, blinds, etc.) are in perfect function, aligned and level. Also verify if the necessary mechanical stops are in the appropriate places.
- The control board must be installed on a safe place of any fluid (rain, moisture, etc.), dust and pests.
- You must route the various electrical cables through protective tubes, to protect them against mechanical exertions, essentially on

01. SAFETY INSTRUCTIONS

the power supply cable. Please note that all the cables must enter the control board from the bottom.
- If the automatism is to be installed at a height of more than 2,5m from the ground or other level of access, the minimum safety and health requirements for the use of work equipment workers at the work of Directive 2009/104/CE of European Parliament and of the Council of 16 September 2009.
- Attach the permanent label for the manual release as close as possible to the release mechanism.
- Disconnect means, such as a switch or circuit breaker on the electrical panel, must be provided on the product's fixed power supply leads in accordance with the installation rules.
- If the product to be installed requires power supply of 230Vac or 110Vac, ensure that connection is to an electrical panel with ground connection.
- The product is only powered by low voltage satefy with control board (only at 24V motors).
- Parts/products weighing more than 20 kg must be handled with special care due to the risk of injury. It is recommended to use suitable auxiliary systems for moving or lifting heavy objects.
- Pay special attention to the danger of falling objects or uncontrolled movement of doors/gates during the installation or operation of this product.

WARNINGS FOR USERS

- Keep this manual in a safe place to be consulted whenever necessary.
- If the product has contact with fluids without being prepared, it must immediately disconnect from the power supply to avoid short circuits, and consult a specialized technician.
- Ensure that technician has provided you the product manual and informed you how to handle the product in an emergency.
- If the system requires any repair or modification, unlock the automatism, turn off the power and do not use it until all safety conditions have been met.
- In the event of tripping of circuits breakers of fuse failure, locate the malfunction and solve it before resetting the circuit breaker or replacing the fuse. If the malfunction is not repairable by consult this manual, contact a technician.
- Keep the operation area of the motorized gate free while the gate in in motion, and do not create strength to the gate movement.
- Do not perform any operation on mechanical elements or hinges if the product is in motion.

RESPONSABILITY

- Supplier disclaims any liability if:
  - Product failure or deformation result from improper installation use or maintenance!
  - Safety norms are not followed in the installation, use and maintenance of the product.
  - Instructions in this manual are not followed.
  - Damaged is caused by unauthorized modifications
  - In these cases, the warranty is voided.

MOTORLINE ELECTROCELOS SA.
Travessa do Sobreiro, nº29
4755-474 Rio Côvo (Santa Eugénia)
Barcelos, Portugal

SYMBOLS LEGEND:

- Important safety notices

- Potentiometer information

- Useful information

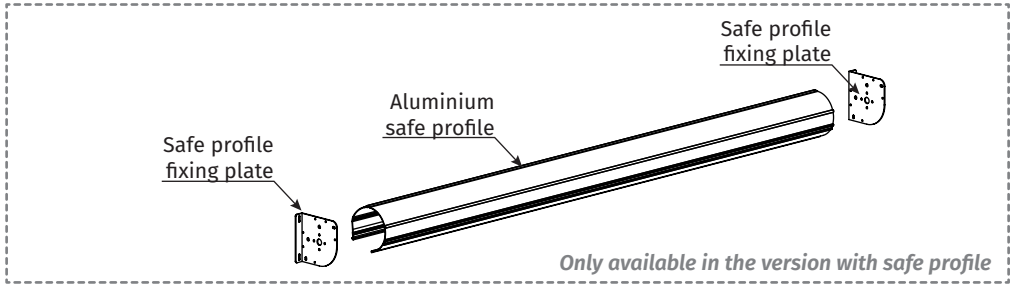
- Connectors information

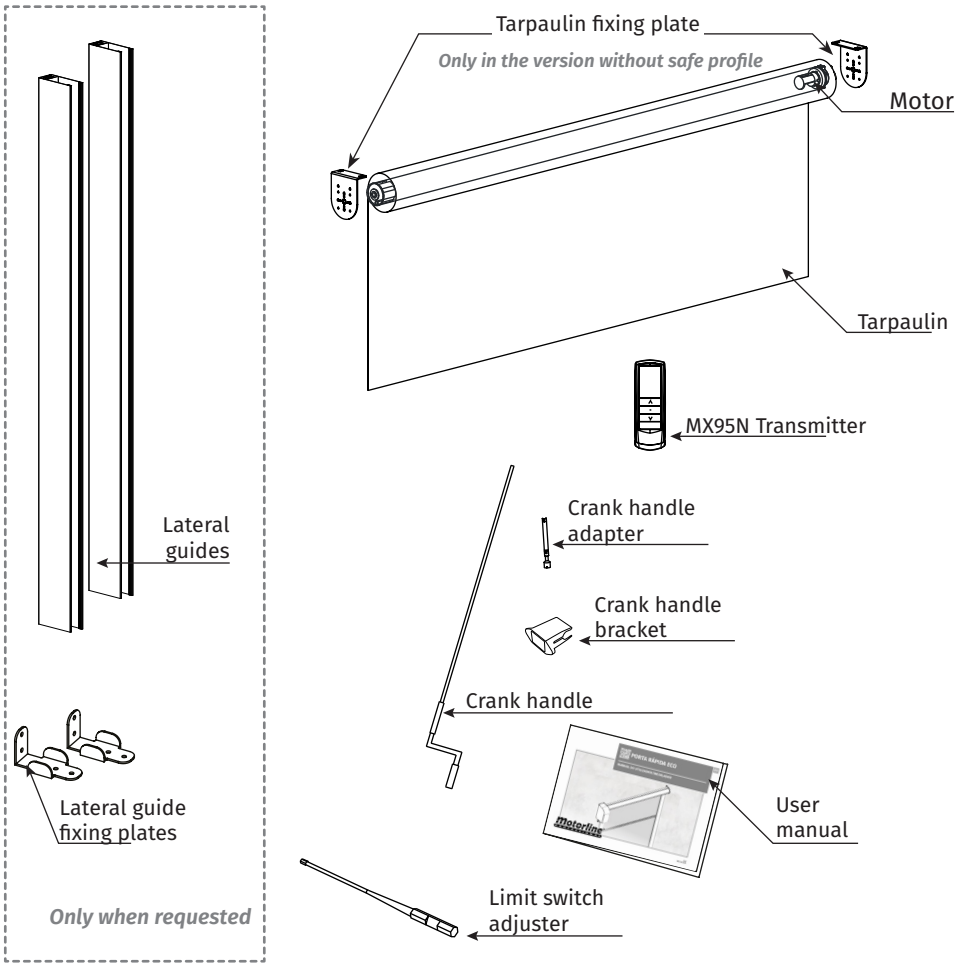
- Programming information

- Buttons information

02. PACKAGE

INSIDE PACKAGE





03. AUTOMATISM

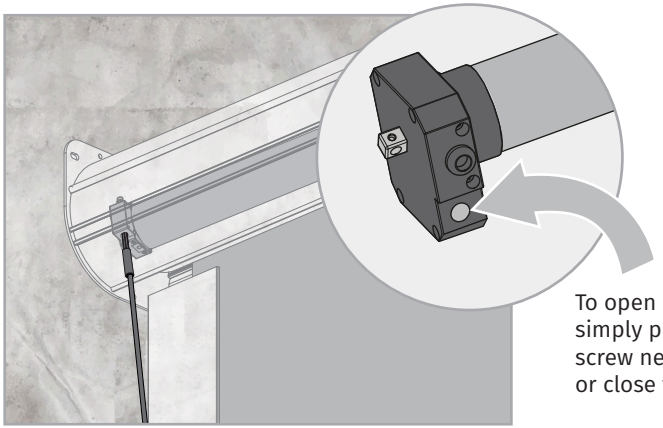
TECHNICAL SPECIFICATIONS

Vertical blind specifically developed to enclose spaces such as shop windows, balconies, and other openings, with automatic operation.
It can be manufactured with a safe profile to protect the fabric and motor, or with lateral guides to direct the fabric during descent.

TARPAULIN	
• Yarn	2 x 1100 dtex PES HT
• Weight	900 g/m²
• Tensile strength	400/400 daN/5 cm
• Tear resistance	45/45 daN
• Operating temperature	-30°C to 70°C
• Grip	10/10 daN/5 cm
• Abrasion resistance	EN ISO 5470-2 10000 cycles

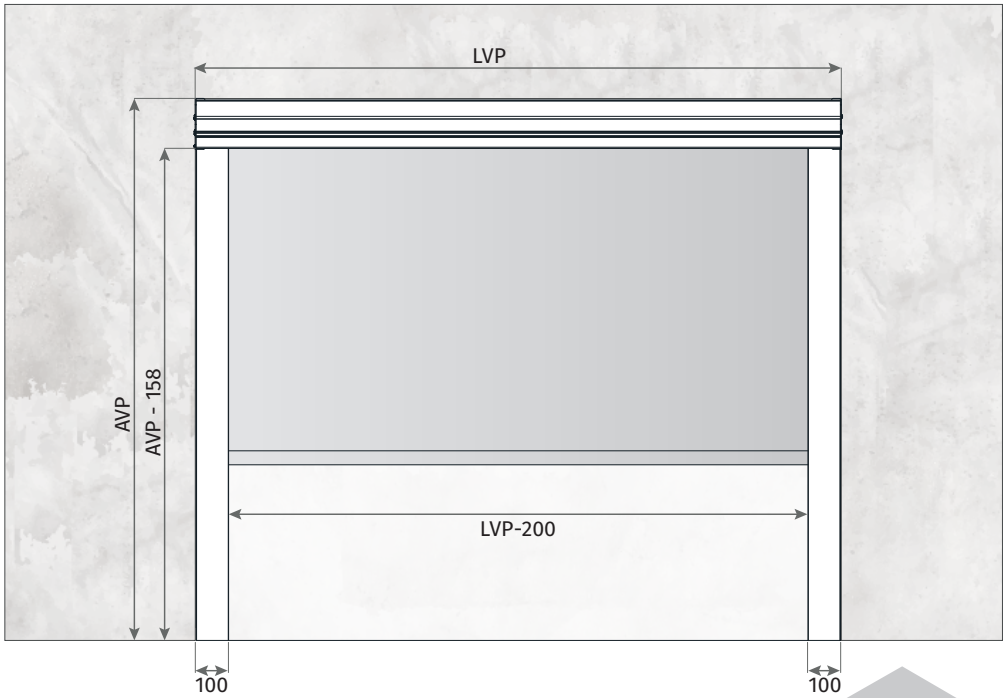
MOTOR TUB90M8FRA-MT	
• Power supply	110/230V 50Hz
• Power	227W
• Operating temperature	-25°C to 55°C
• Rotation speed	12 RPM
• Thermal protection	8 minutes
• Noise	LpA < 43dB (A)
• Force	50Nm
• Maximum supported weight	90kg
• Protection class	IP23
• Length	720 mm

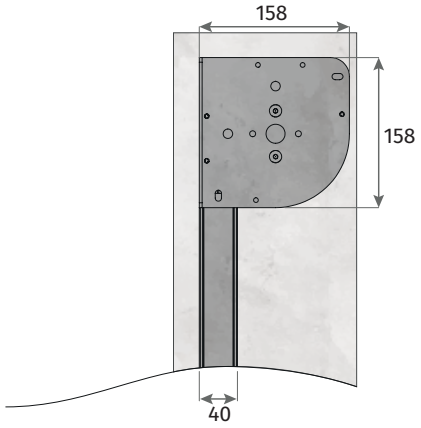
MANUAL OPENING/CLOSING

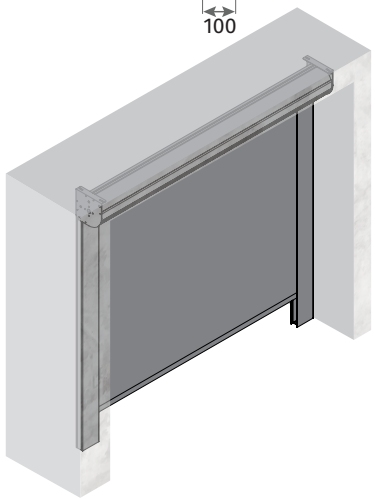


To open or close the curtain manually, simply place the crank handle on the screw next to the motor and turn to open or close the curtain.

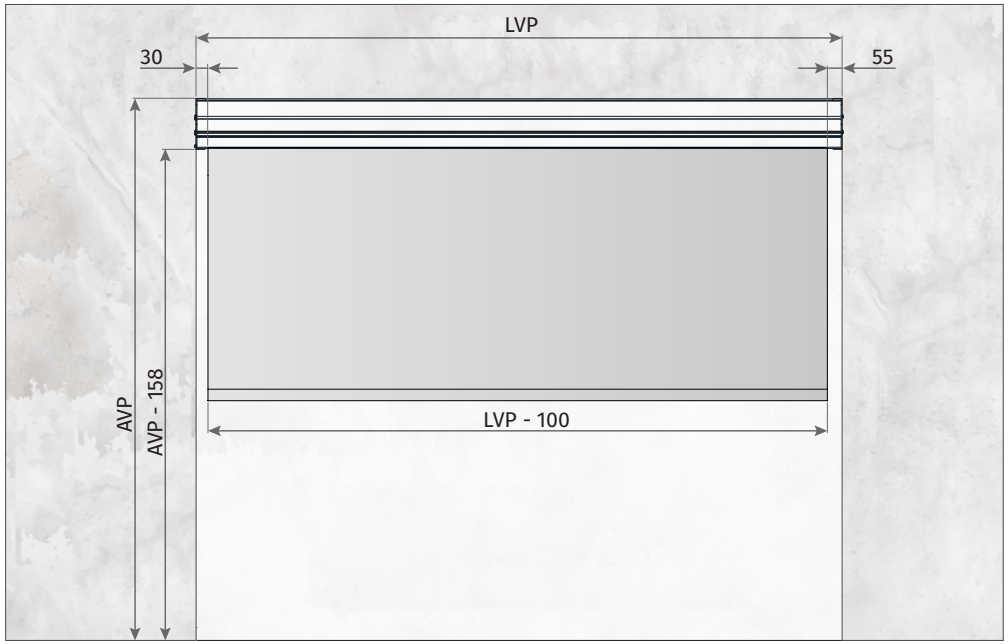
DIMENSIONS - WITH SAFE PROFILE + LATERAL GUIDES (INSIDE THE PASSAGEWAY)

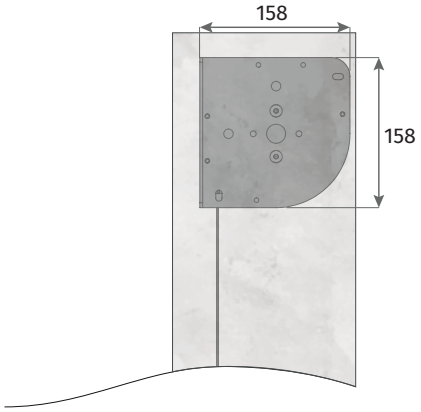


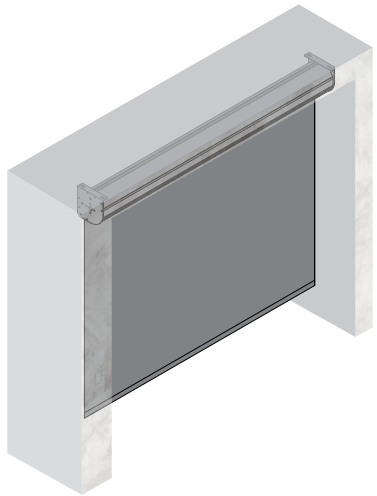




DIMENSIONS - WITH SAFE PROFILE (INSIDE THE PASSAGEWAY)



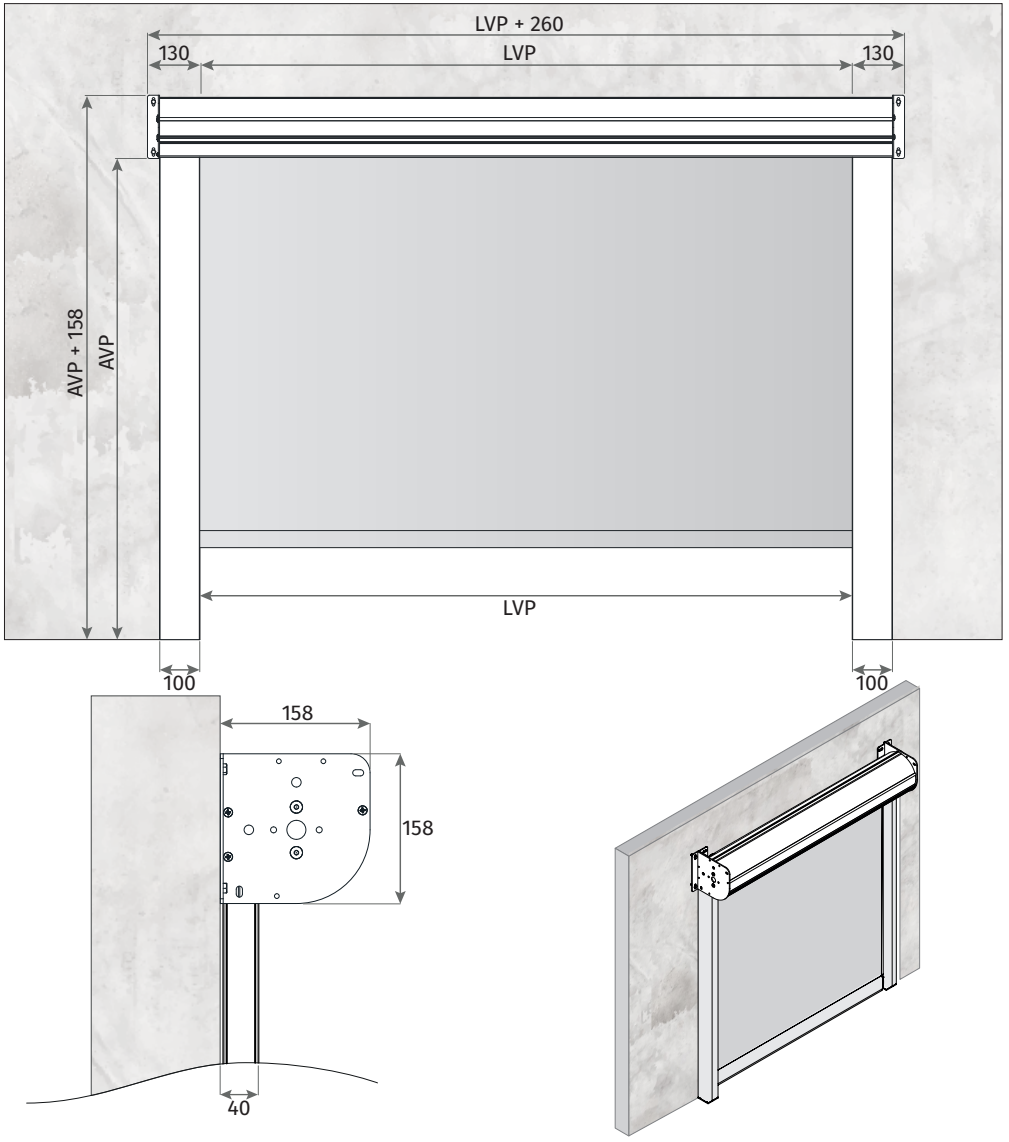




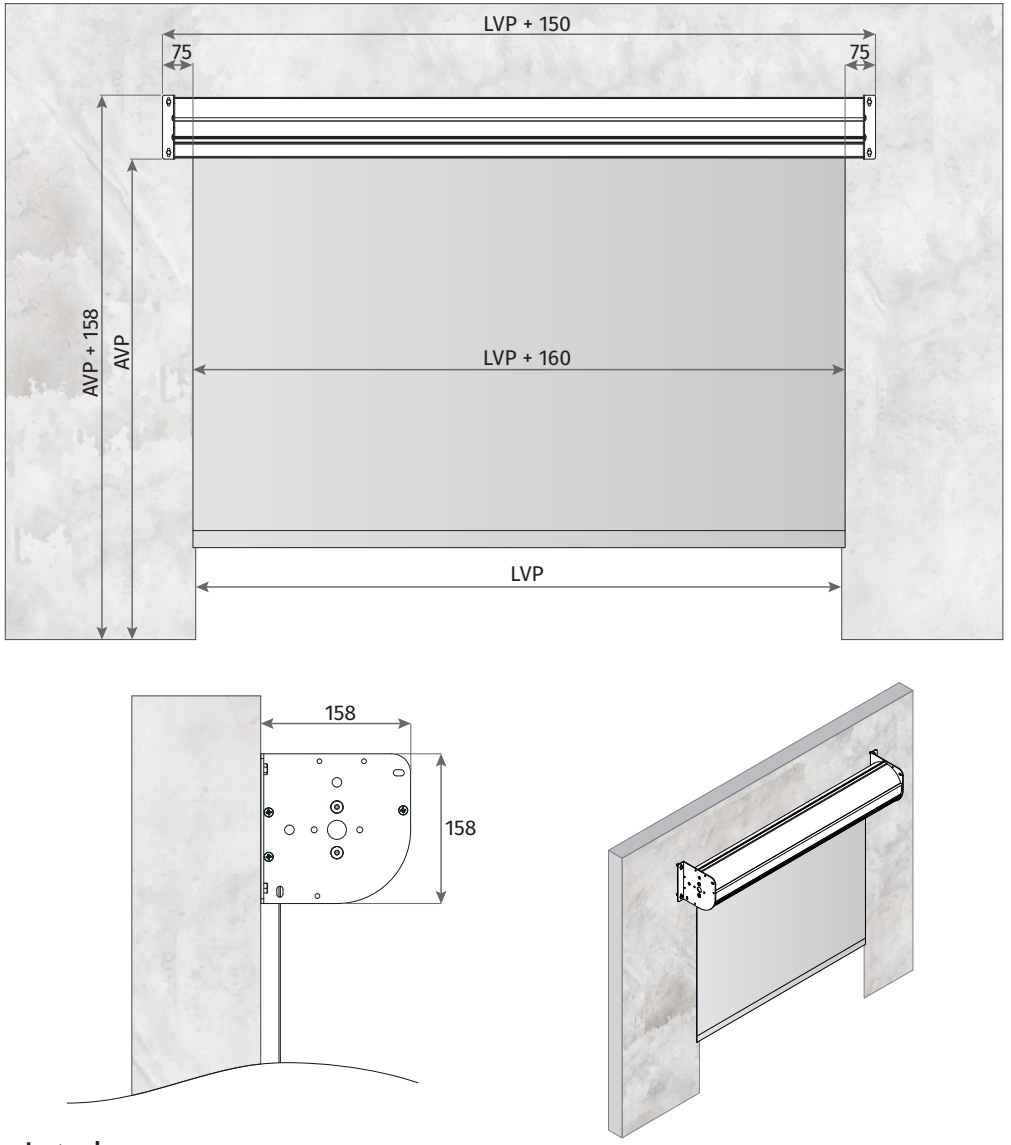
Legend:
LVP - Passageway Width;
AVP - Passageway Height;

Dimensions in mm

DIMENSIONS - WITH SAFE PROFILE + LATERAL GUIDES (OUTSIDE THE PASSAGEWAY)



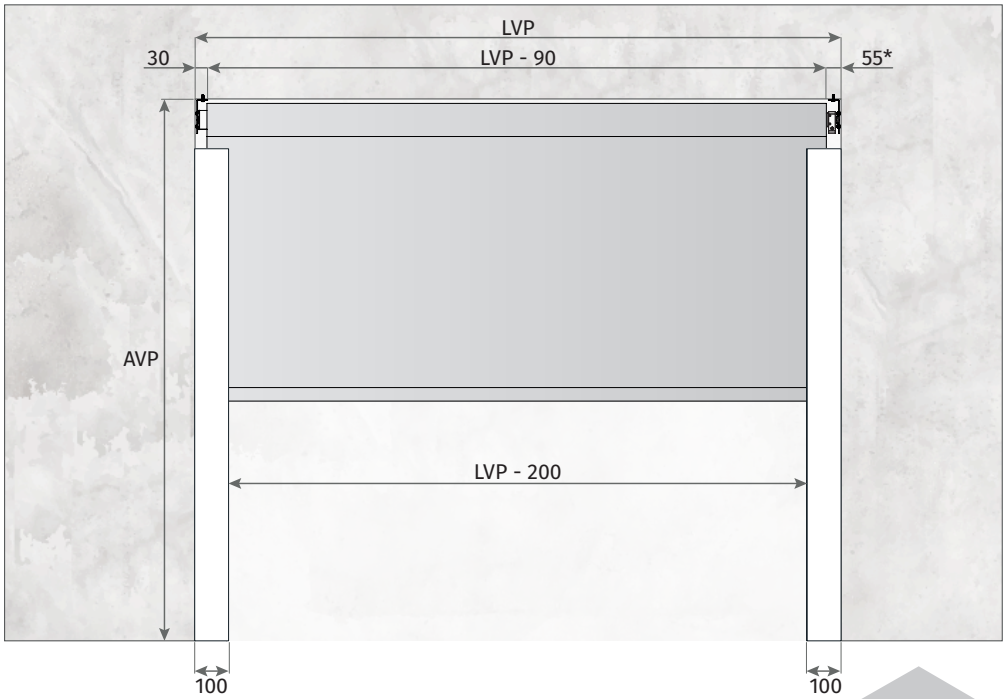
DIMENSIONS - WITH SAFE PROFILE (OUTSIDE THE PASSAGEWAY)

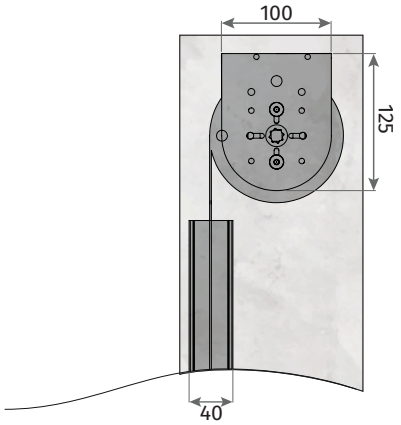


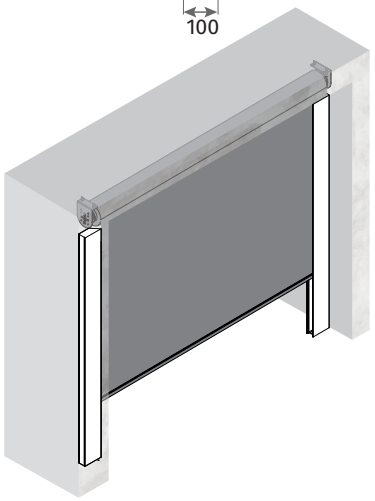
Legend:
LVP - Passageway Width;
AVP - Passageway Height;

Dimensions in mm

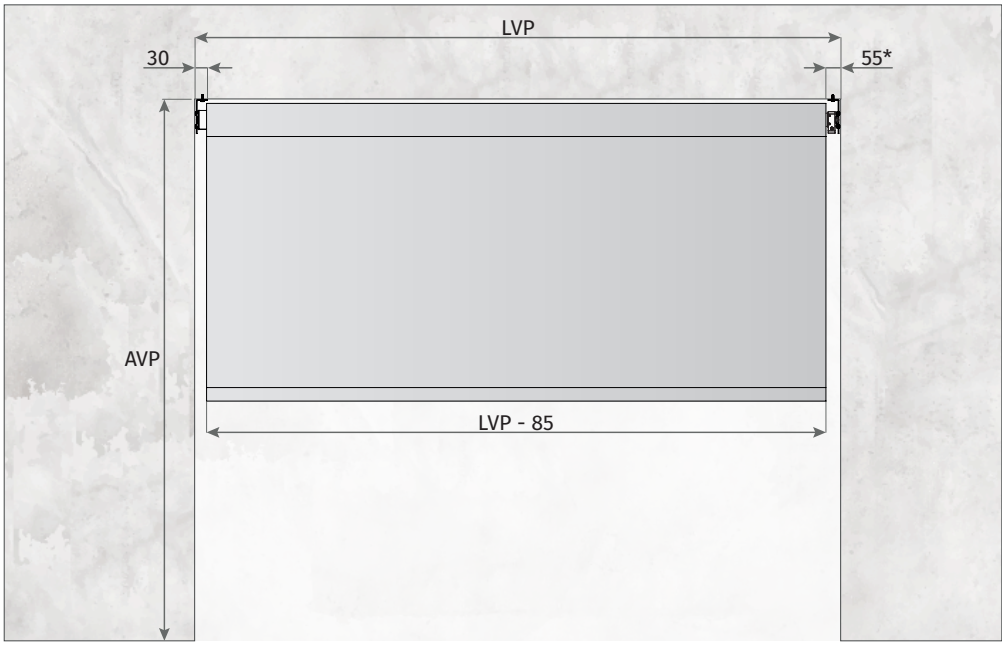
DIMENSIONS - WITHOUT SAFE PROFILE + LATERAL GUIDES (INSIDE THE PASSAGEWAY)

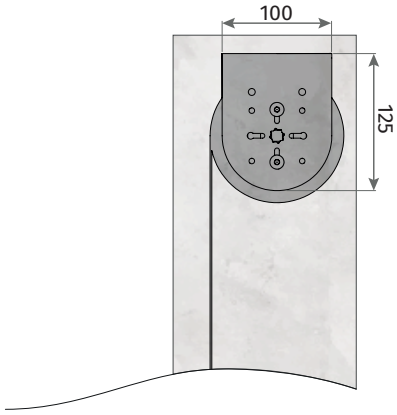


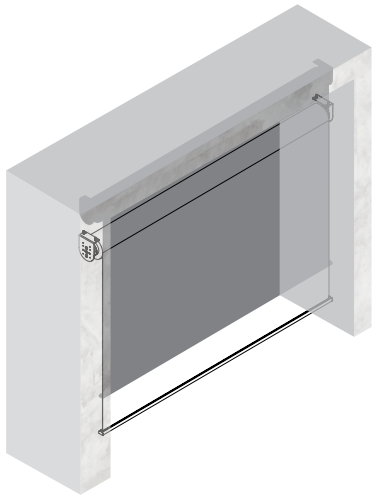




DIMENSIONS - WITHOUT SAFE PROFILE (INSIDE THE PASSAGEWAY)



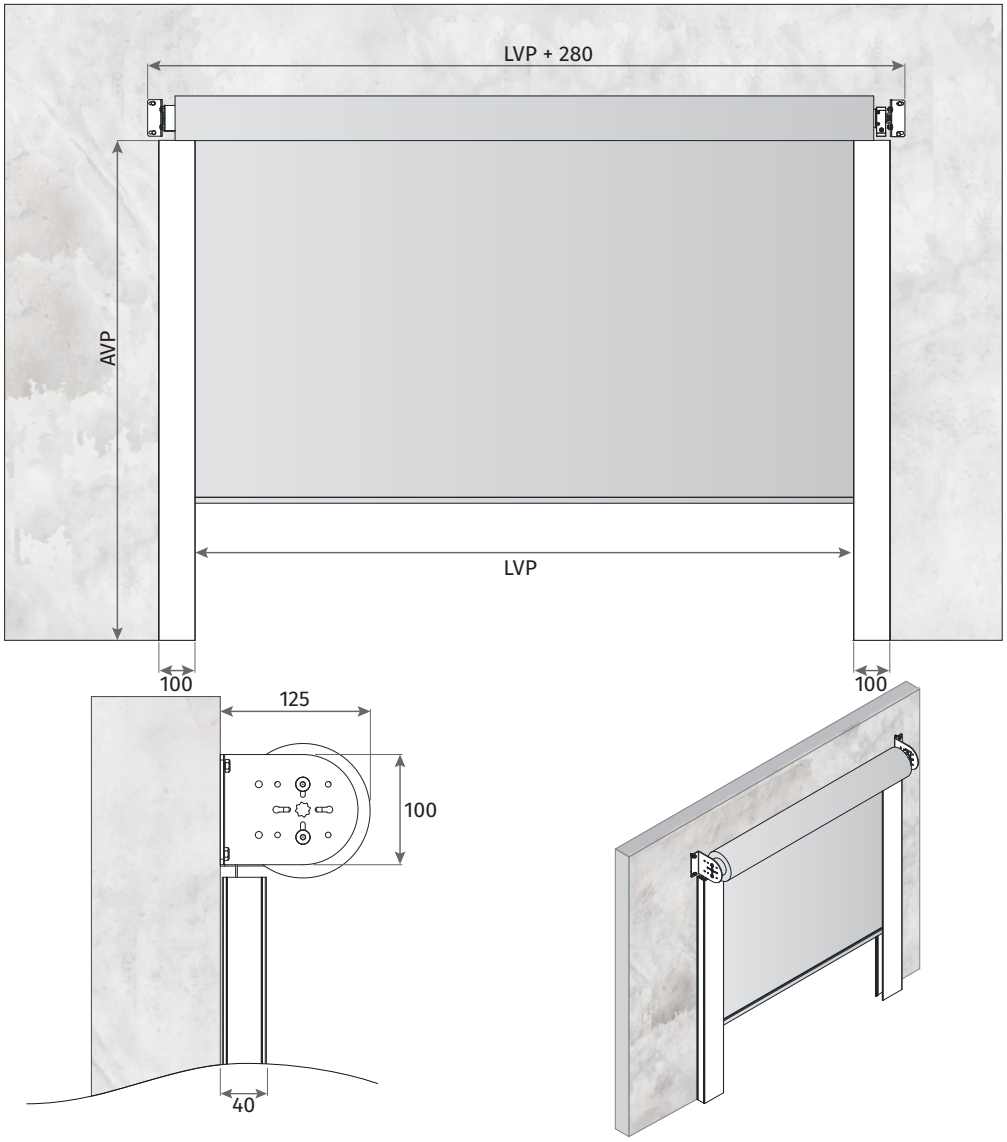




Legend:
LVP - Passageway Width;
AVP - Passageway Height;

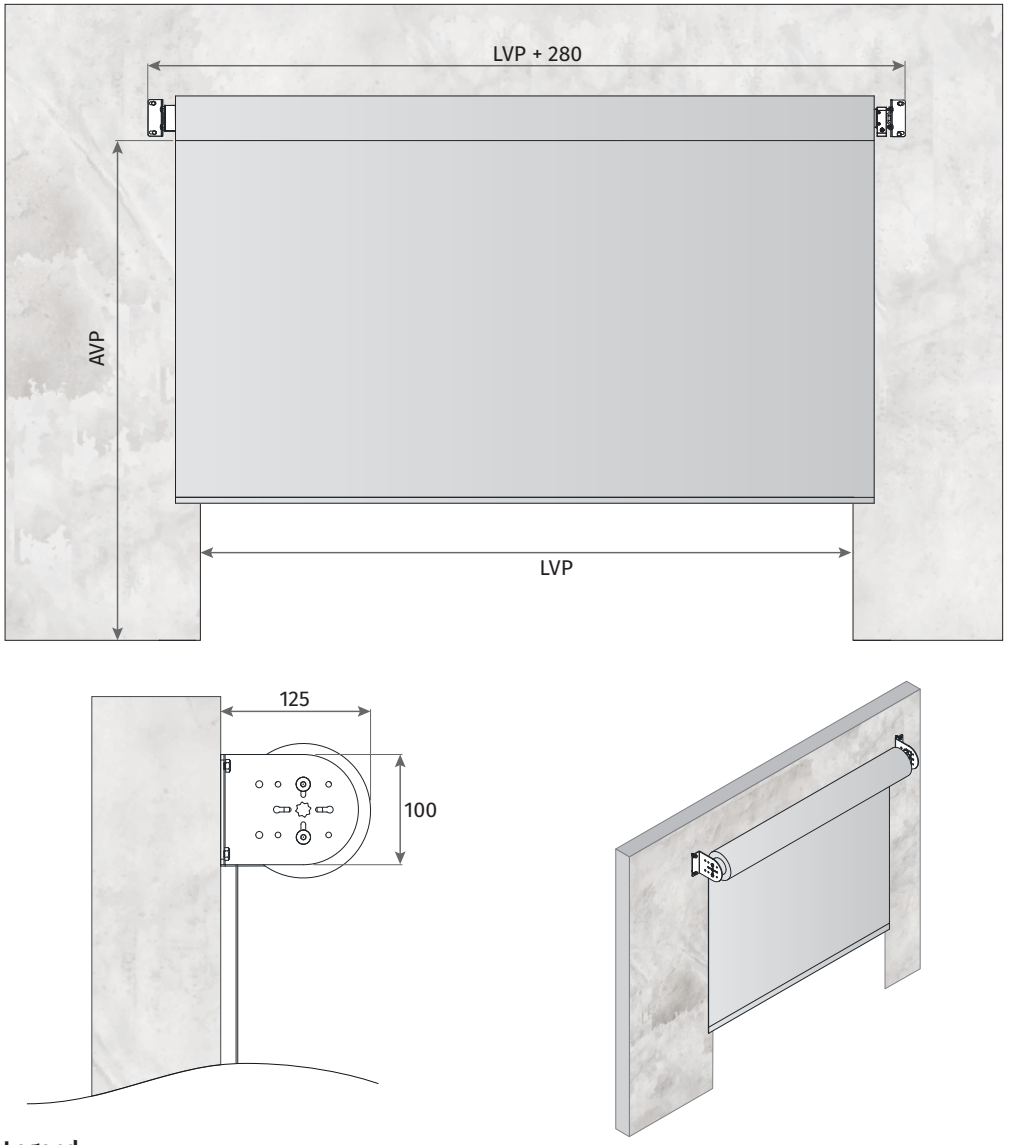
Dimensions in mm

DIMENSIONS - WITHOUT SAFE PROFILE + LATERAL GUIDES (OUTSIDE THE PASSAGEWAY)



03. AUTOMATISM

DIMENSIONS - WITHOUT SAFE PROFILE (OUTSIDE THE PASSAGEWAY)

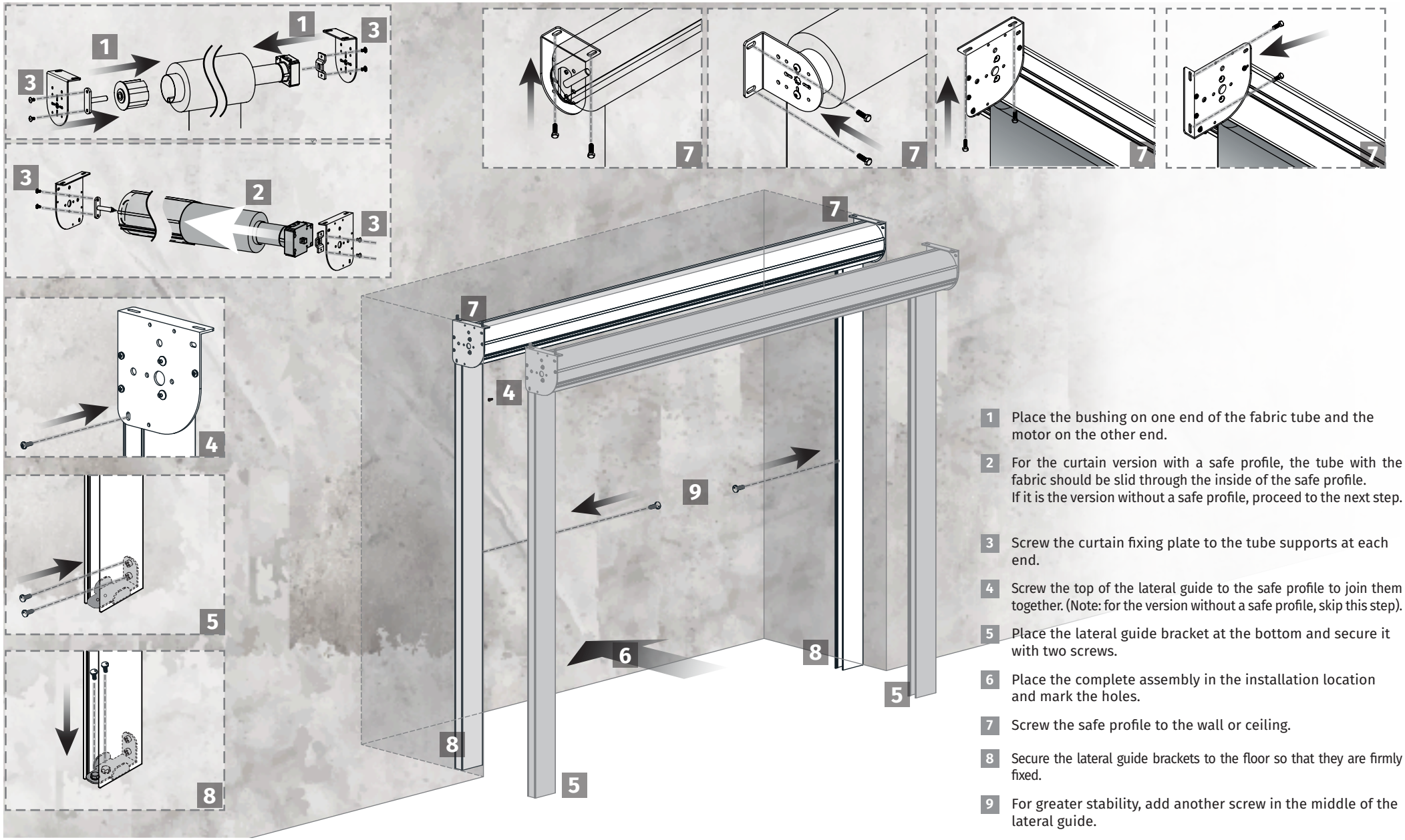


Legend:
LVP - Passageway Width;
AVP - Passageway Height;

Dimensions in mm

04. INSTALLATION

CURTAIN INSTALLATION



1 Place the bushing on one end of the fabric tube and the motor on the other end.

2 For the curtain version with a safe profile, the tube with the fabric should be slid through the inside of the safe profile.
If it is the version without a safe profile, proceed to the next step.

3 Screw the curtain fixing plate to the tube supports at each end.

4 Screw the top of the lateral guide to the safe profile to join them together. (Note: for the version without a safe profile, skip this step).

5 Place the lateral guide bracket at the bottom and secure it with two screws.

6 Place the complete assembly in the installation location and mark the holes.

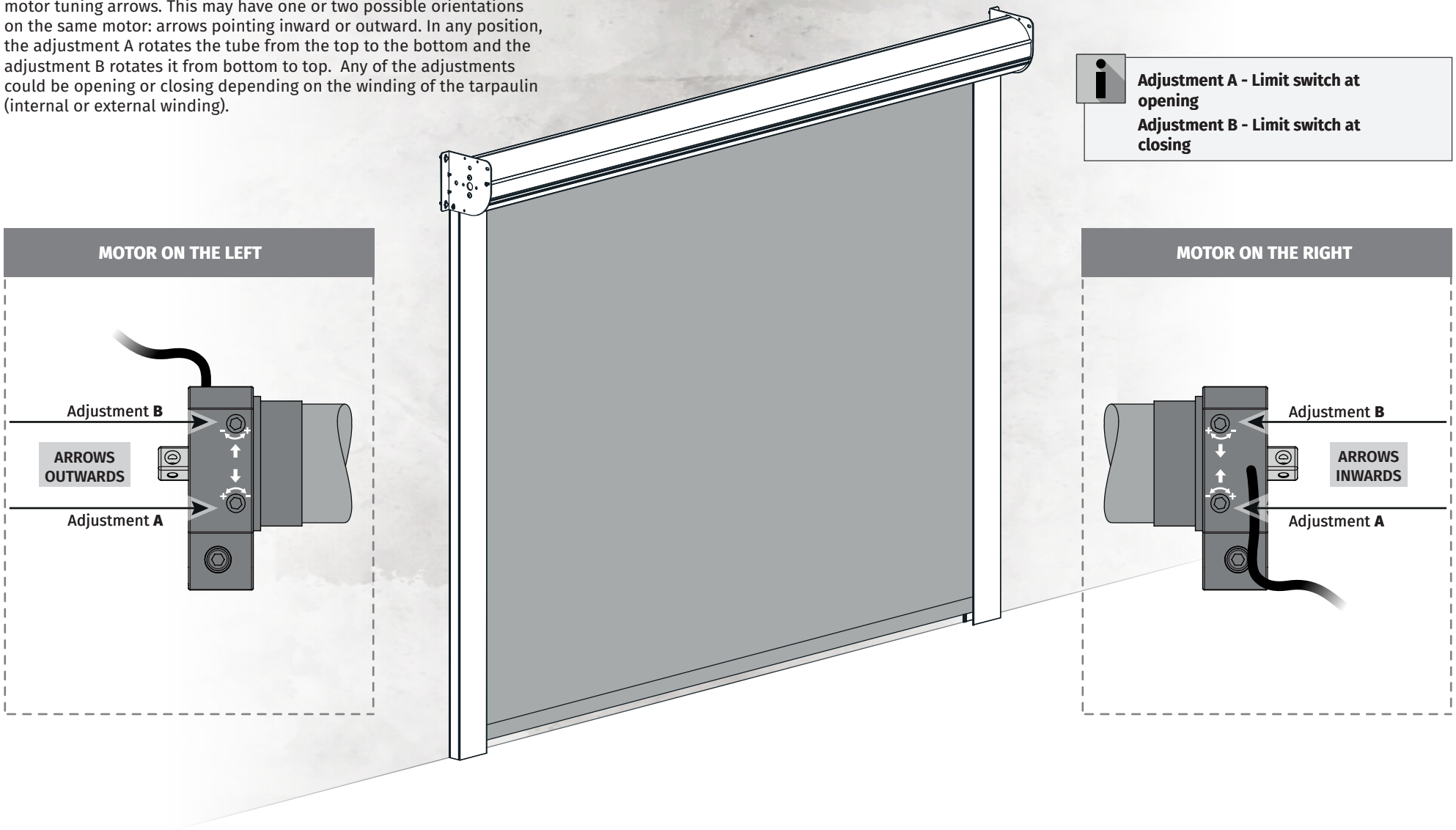
7 Screw the safe profile to the wall or ceiling.

8 Secure the lateral guide brackets to the floor so that they are firmly fixed.

9 For greater stability, add another screw in the middle of the lateral guide.

05. LIMIT-SWITCHES

LIMIT-SWITCHES ADJUSTMENT

When adjusting the limit switches, confirm the orientation of your motor tuning arrows. This may have one or two possible orientations on the same motor: arrows pointing inward or outward. In any position, the adjustment A rotates the tube from the top to the bottom and the adjustment B rotates it from bottom to top. Any of the adjustments could be opening or closing depending on the winding of the tarpaulin (internal or external winding).

Adjustment A - Limit switch at opening
Adjustment B - Limit switch at closing