

Description

Conservatory awning Climara W10

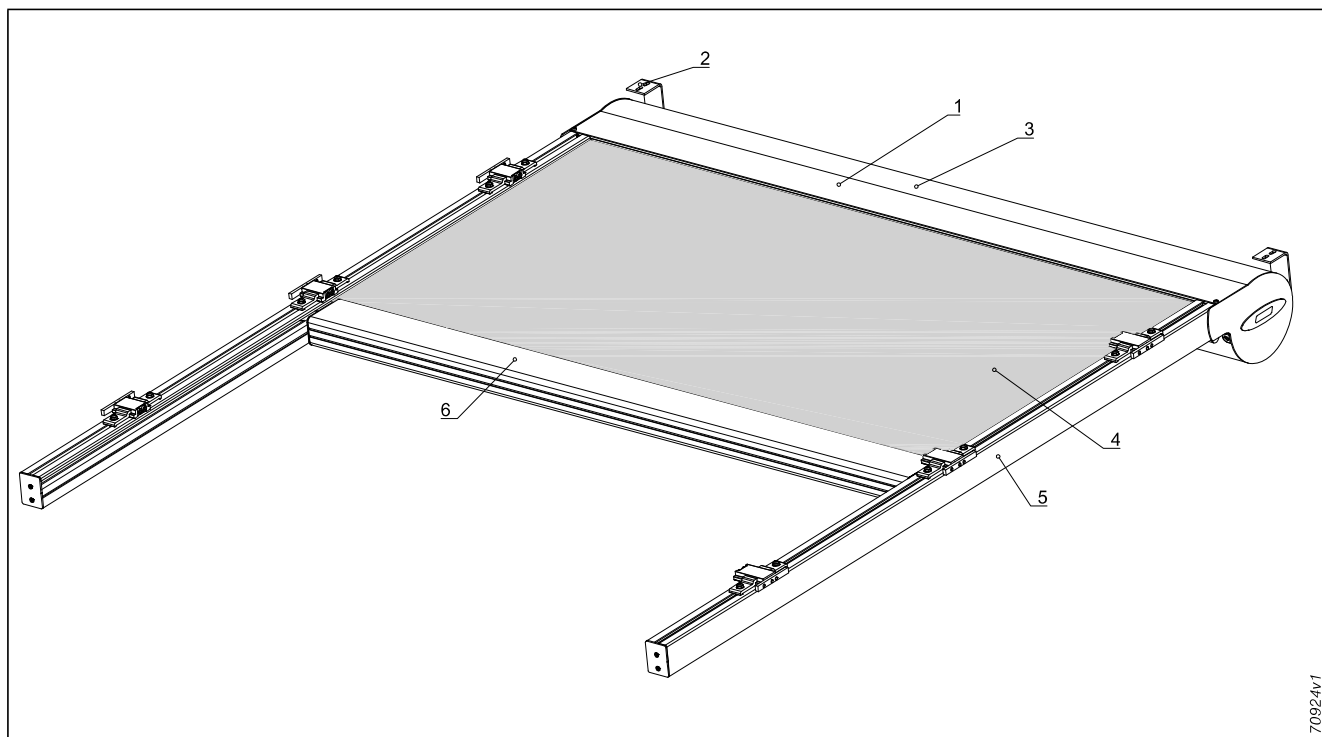


fig. 248: Conservatory awning W10

- 1 Cover panel
- 2 Ceiling bracket
- 3 Shaft
- 4 Fabric
- 5 Lateral guidance with secudrive®
- 6 Front rail

Application

Internal sun shading system under glass for shading conservatories, patio roofs and pergolas with a flat roof pitch. For the first time in the field of sun shading with secudrive® guiding of the awning fabric along the entire order length by means of a spring steel strip directly in the guide rail. When extending the spring steel strip pushes the fabric into the guide rails. This does not lead to a light gap.

Operation

Basic motor, 230 V, 50 Hz

WM REA with electronic limit switch-off (optionally with EWFS/WMS Plug receiver)

EWFS radio motor, 230 V, 50 Hz (optional)

W-WM with electronic limit switch-off

WMS radio motor, 230 V, 50 Hz (optional)

WMS-WM with electronic limit switch-off

More information about drives from page 275.

Cover (1)

two-piece, closed at the front

Material: aluminium, extruded
Dimensions (WxH): 199x159 mm
Surface: powder-coated
Fixing: using a ceiling bracket

Ceiling bracket (2)

Material: stainless steel
Dimensions (WxH): 40x85.5 or 129 mm
Surface: plain

Shaft (3)

Fabric shaft

Material: aluminium
Material thickness: 1.6 mm
Dimensions (Ø): 86.2 mm
Profile: round profile
Surface: plain

Motor shaft

Material: aluminium
Material thickness: 1.6 mm
Dimensions (Ø): 70 mm
Profile: round profile
Surface: plain

Description

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Fabric (4)

Fabric qualities: Standard/Lumera acrylic fabric
Perfora acrylic fabric
Soltis 92 fabric
Twilight Pearl/Metal
More information about the fabrics, see page 266

Designs: according to current WAREMA awning collection

Special fabrics not included in our current awning collection are only available upon request and at a surcharge.

Lateral guidance (5)

with secudrive® in rail

with mounting groove

Material: aluminium, extruded

Dimensions (WxH): 45x60 mm

Surface: powder-coated

Fixing: brackets, from page 154

A spring steel strip guides the fabric directly in the guide rail.

Front rail (6)

Material: aluminium, extruded

Dimensions (WxH): 94 x 54 mm
(96 x 62 mm in model with valance roller blind)

Surface: powder-coated

Fixing and connecting parts

within the awnings

Material: A2 steel or aluminium

Colours

Powder coating of aluminium parts with chrome-free pre-treatment according to valid RAL CLASSIC colour chart (except camouflage and luminous colours) or in six DB colours as well as eight textured colours, four anodised-look colours (WC31 – WC34) and further colours according to WAREMA Colour World (in WAREMA colour specification).

Other colour specifications and special colours are available on request and are subject to surcharge.

Checklist

- Provide drawings of the conservatory or the patio roof or provide a sketch and also a photo (if possible)
- Fabric colour and quality
- Frame colour
- Type of guide rail brackets
- Determine position of drive (operation side of cover panel in direction of movement)
- Arrange for supply line on-site
- Arrange for housing of plug-in connector

Safety instructions

- In gyms, multi-purpose halls or similar, the awning must be protected against shocks (ball games), impacts etc. by appropriate features like fences, nets etc.
- Do not use in indoor pools where chlorine is in the atmosphere.
- It is imperative that the installation instructions and the relevant appendices are adhered to.
- Accident prevention regulations from trade associations must be observed.
- Specifications of the manufacturers of screw anchors and fixing materials must be observed.
- The fixing points have to be checked once a year!

Information on operation and electrical connection:

The following connection conditions must be taken into consideration when controlling electronic motors:

1. It must be ensured that the drives are to be operated via locked switching elements. However, the drives switch to programming mode, if synchronous voltage is applied to the up and down running direction. In this case the built-in electronics lose their saved limit positions and await new programming.
2. Switching devices with the so-called 3-wire conductor technology (e.g. Rademacher timer clip) cannot be used because these devices draw their operating voltage from the drive and the electronics in the motors do not build up enough voltage.

If both conditions have been met, the electronic motors can be operated with any roller shutter controller or bus system (via actuators).

Weights/run times/guide rail

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Diagram for determining run time of a conservatory awning W10

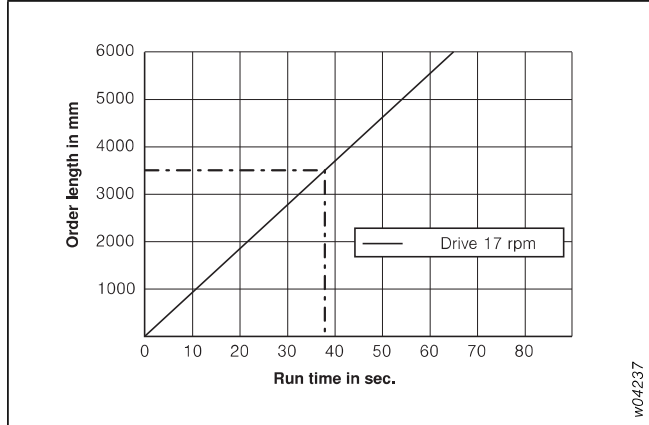


fig. 249: Diagram for determining run time

How to read the diagram:

Awning with order length of 3500 mm and drive speed of 17 rpm has a run time of approx. 38 sec.

Guide rail

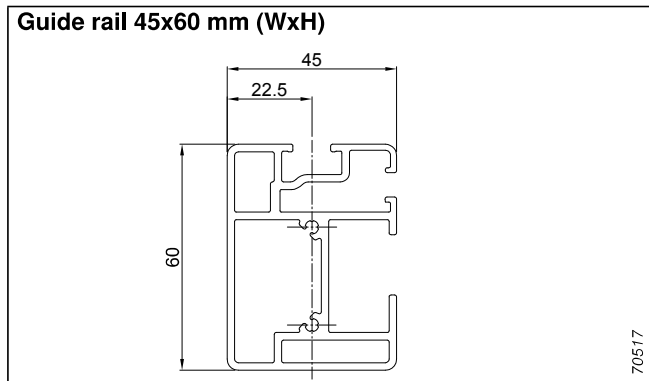


fig. 250: Guide rail

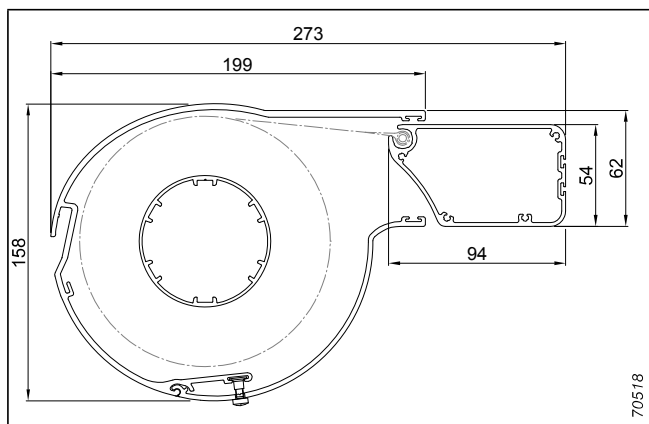


fig. 252: Cover panel with front rail

Diagram for determining the weight of a conservatory awning W10 (motorised unit)

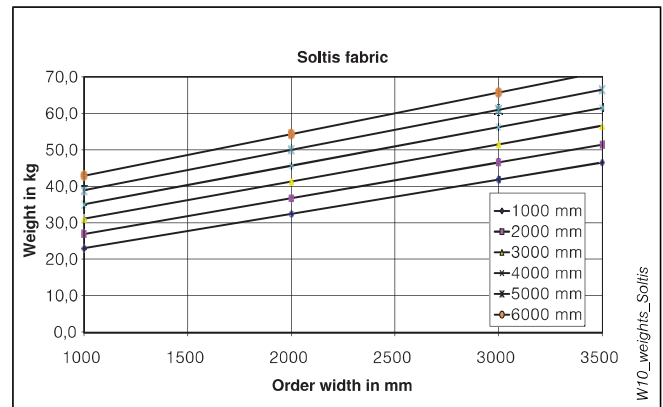
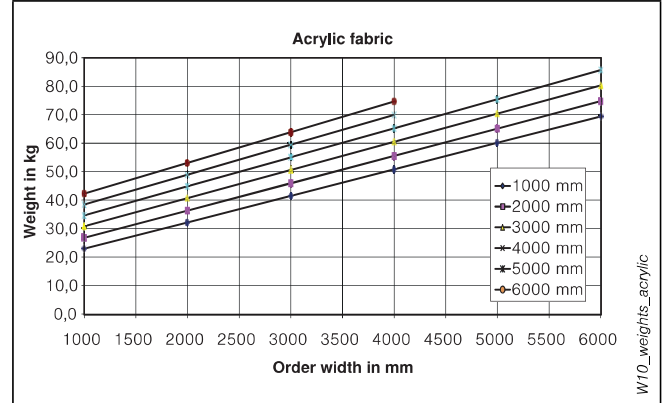


fig. 251: Diagrams for determining weights for W10

How to read the diagram:

Awning with order length of 3000 mm, order width of 2000 mm and Soltis 92 fabric has a weight of approx. 43 kg.

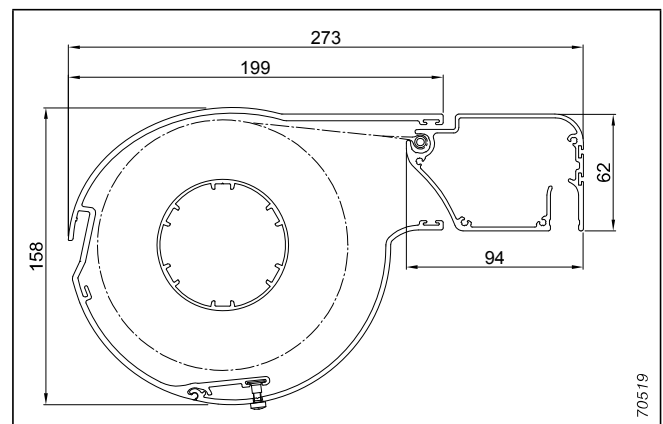
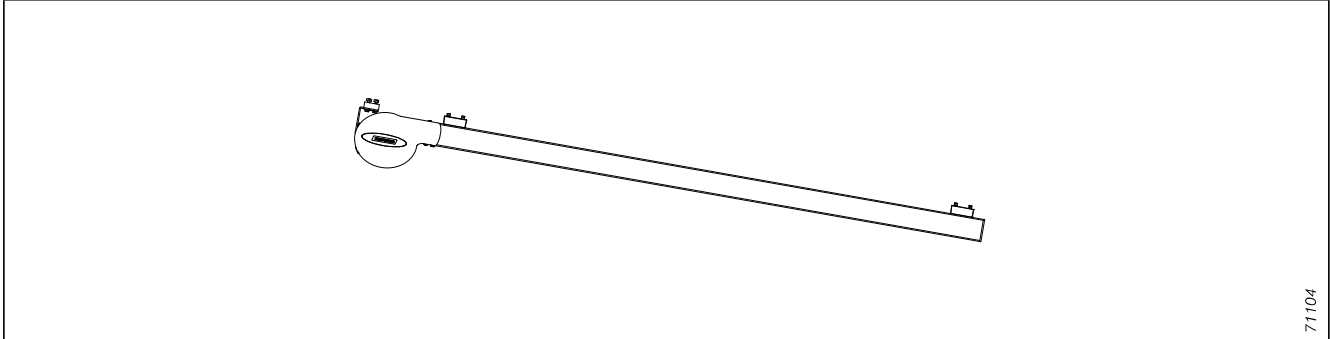


fig. 253: Cover panel with front rail for valance roller blind

Application example/construction sizes/construction limit values/ definitions

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Application example



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fig. 254: Application example

You can also use our free planning programme on www.sonnenschutzplaner.de for the planning of your sun shading control systems – here you can configure the prod-

uct and create a technical drawing to be integrated into your plans.

Construction limit values in mm W10

Internal sun shading systems	Type of fabric	Individual units	Direction of movement "from bottom to top"
Max. width	Acrylic – all qualities –	6000 ¹⁾	6000
	Soltis 92 fabric	3500	3500
	Twilight Pearl/Metal	4500	4500
Min. width	Acrylic – all qualities –	650	650
	Soltis 92 fabric	650	650
	Twilight Pearl/Metal	650	650
Max. length	Acrylic – all qualities –	6000 ²⁾	6000 ²⁾
	Soltis 92 fabric	4000	4000
	Twilight Pearl/Metal	6000	6000
Min. length	Acrylic – all qualities –	950	950
	Soltis 92 fabric	950	950
	Twilight Pearl/Metal	950	950
Max. surface (m ²)	Acrylic – all qualities –	24	24
	Soltis 92 fabric	14	14
	Twilight Pearl/Metal	24	24
Roof pitch		0°–45°	0°–45°

¹⁾ Max. width with valance roller blind 5000 mm

²⁾ Note max. area!

Note:

Conservatory awnings type W10 are only available as individual units, i.e. no coupled curtains and no motor/end bearing situations are possible! Each awning requires 2 single guide rails.

When using Twilight Pearl, the fabric is fastened with a fabric strip visible at the side.

Definitions

The drive end or operation side is always seen from the cover panel in extension direction.

Order width = from one guide rail fixing axis to the next fixing axis = axial dimension

Guide rail brackets

No. of brackets per rail	Stand-off installation length (mm)	Direct installation length (mm)
2	up to 2000	up to 2400
3	2001 to 3500	2401 to 4000
4	3501 to 5000	4001 to 6000
5	5001 to 6000	–

Ceiling bracket

Width (mm)	Ceiling bracket
up to 4000	2
4001 to 6000	3

Measuring instructions

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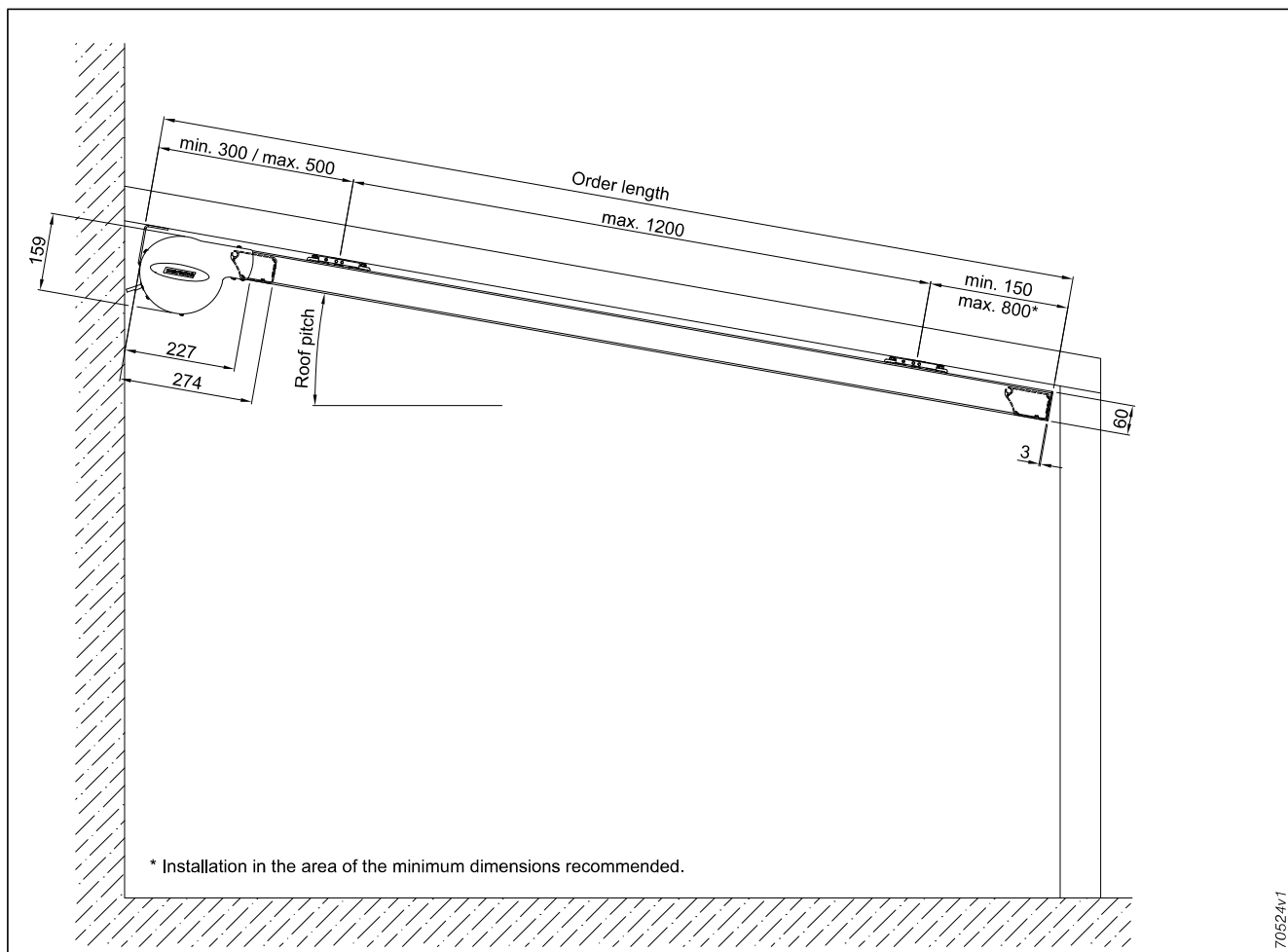


fig. 255: Conservatory awning W10

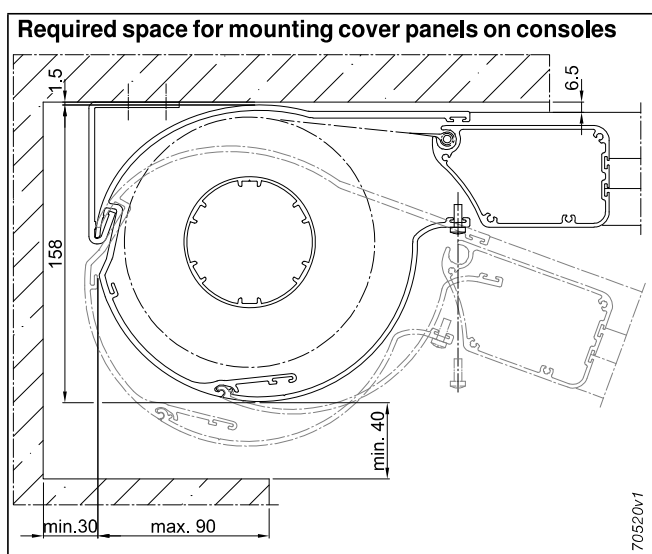


fig. 256: Required space for mounting cover panels on consoles

Measuring instructions and data sheet

Conservatory awning Climara W10

Attention: Order width = middle of guide rail – middle of guide rail. The complete awning (incl. side covers) is 57 mm wider. Please note when ordering!

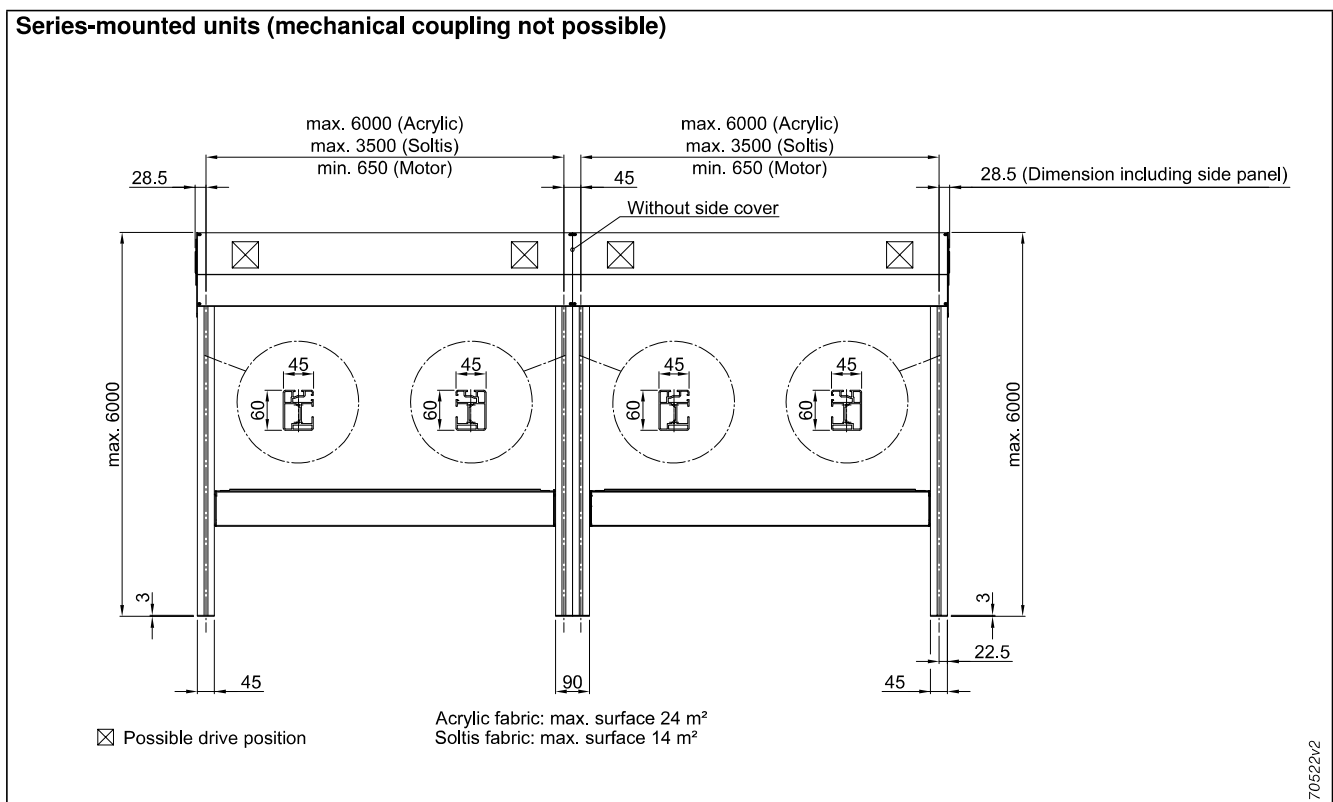
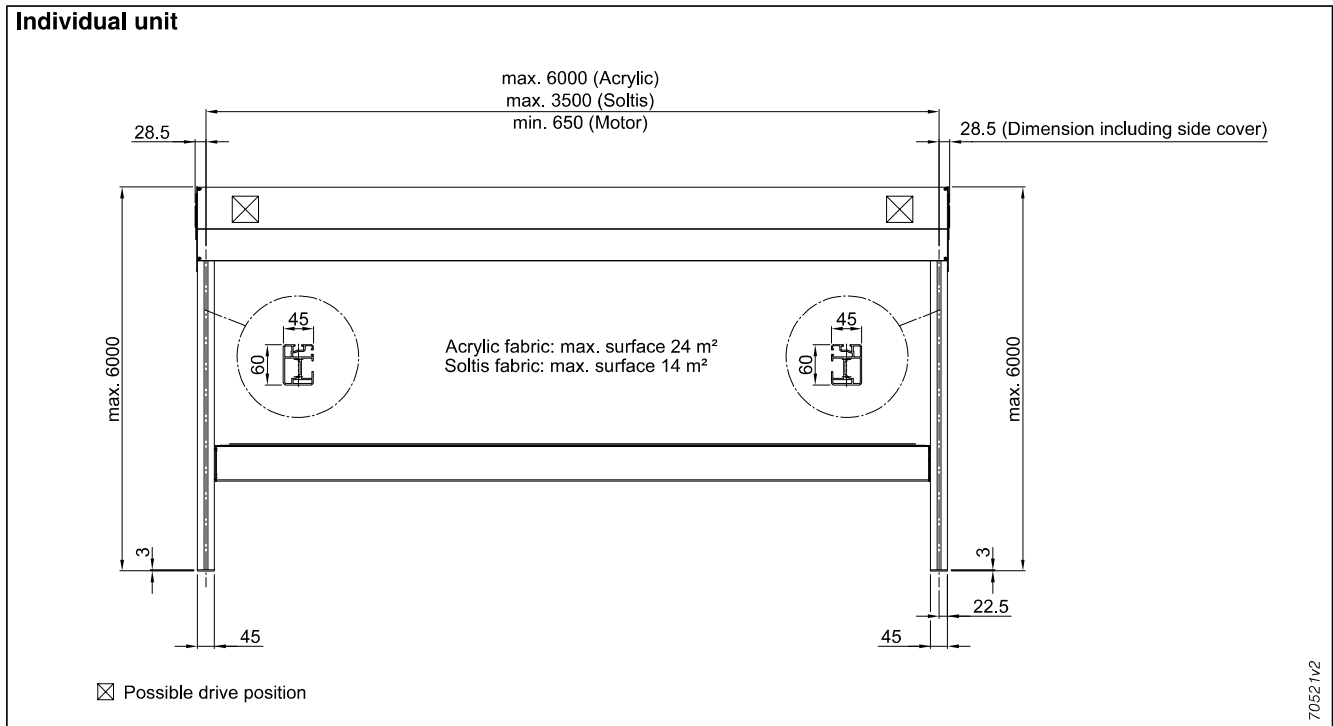


fig. 257: Measuring instructions for drives

For series-mounted units it is possible to attach 2 guide rails with one bracket; after 12000 m an expansion joint of 20 mm is necessary!