Supplementary accessories
External venetian blinds with ProVisio

Private sphere
The specific inclination of the slats keeps out prying eyes.

Visibility
The slat position is based on a person’s field of view. Occupants always have the best view outside through the slats - regardless of their distance from the external venetian blind and the position of the sun shading product.

Comfort
Daylight is able to enter the room through the top section of the external venetian blinds without dazzling the occupants.

Can be used for:
- E 80 A6 S
- E 90/93 A6
- E 90/93 A2

Construction limit values
- Maximum order width: 4000 mm
- Maximum order height: 4000 mm
- Maximum order area: 16 m²

Product characteristics
- Improved visual privacy
- Optimum view from inside to outside
- Glare control and visual privacy from the outside in
- The room does not darken while the external venetian blind is moving
Product characteristics

External venetian blinds with ProVisio technology have an adjusted slat position, which improves the view out by 25 percent. External venetian blinds without ProVisio technology allow a view out only with horizontal slats and at eye level.

Notes

For further information, see the chapter "Basic external venetian blinds" for the relevant product variant

Measurement information: The lower limit position cannot be adjusted.

Closing behaviour information: The external venetian blinds can only be closed in the lower limit position due to the bearing system used.

Movement behaviour information:
- The external venetian blind lowers with slats open in "optimal glare control angle".
- The slats can only be closed further once the lower limit position has been reached.
- The external venetian blind is raised with slats open in "optimal view out angle".

Application possible for:
- Basic external venetian blinds
- Top-mounted external venetian blinds
- External venetian blind window systems
- T/M system external venetian blinds
- External shaft venetian blinds

Construction limit values

<table>
<thead>
<tr>
<th>Configuration variants</th>
<th>Minimum order width</th>
<th>Maximum order width</th>
<th>Maximum order height</th>
<th>Maximum order area</th>
<th>Maximum order width of group unit</th>
<th>Maximum order area of group unit</th>
<th>Maximum order area of unit coupling</th>
<th>Maximum quantity of unit couplings per side</th>
</tr>
</thead>
<tbody>
<tr>
<td>Façade external venetian blinds</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>E 80 A6 S</td>
<td>600 mm</td>
<td>4000 mm</td>
<td>4000 mm</td>
<td>16 m²</td>
<td>10000 mm</td>
<td>30 m²</td>
<td>13 m²</td>
<td>1</td>
</tr>
<tr>
<td>E 90 A6 / E 93 A6</td>
<td>600 mm</td>
<td>4000 mm</td>
<td>4000 mm</td>
<td>15 m²</td>
<td>10000 mm</td>
<td>24 m²</td>
<td>13 m²</td>
<td>1</td>
</tr>
<tr>
<td>E 90 A2 / E 93 A2</td>
<td>600 mm</td>
<td>4000 mm</td>
<td>4000 mm</td>
<td>15 m²</td>
<td>10000 mm</td>
<td>24 m²</td>
<td>13 m²</td>
<td>1</td>
</tr>
</tbody>
</table>

External venetian blinds height-width ratio: If the height to width ratio of 4:1 is exceeded, functional limitations may occur.

Asymmetrical running: Asymmetrical running of slats can not be prevented for small widths. The maximum tolerances as per the "Guideline for assessing the product features of external venetian blinds" apply.
Dimension determination

<table>
<thead>
<tr>
<th>Term</th>
<th>Explanation</th>
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<tbody>
<tr>
<td>Optimum glare control angle</td>
<td>Good view out with both glare control and visual privacy</td>
</tr>
<tr>
<td>Optimal view out angle</td>
<td>Best possible view out; limited glare control and visual privacy</td>
</tr>
</tbody>
</table>

Details

External venetian blinds with horizontal slats but without ProVisio technology only provide a clear view of the outside at eye level and at a restricted angle. Only around 55 percent of the view is unobstructed. With its continuously changing slat position, external venetian blinds with ProVisio improve the view out by 25 percent. The slat position is therefore based on the human viewing angle, so that the eye always has the best possible view out through the slats from top to bottom.

Along with an optimum view out, the external venetian blind with ProVisio technology also scores points with its simultaneous glare control and visual privacy from the outside in. While prying eyes from outside are deterred by the special inclination of the slats, daylight is still able to get inside the room through the top section of the sun shading product without dazzling and disturbing people.
Basics:
- Viewing height: 1600 mm
- Viewing distance: 1600 mm or 2500 mm
- External venetian blind height: 2600 mm or 3000 mm

Summary:
- The view to the outside is practically unrestricted, regardless of the viewing distance and the external venetian blind height.
- The external venetian blind height and distance from the interior have almost no impact on the view out.
- The slat angles are adjusted so that the observer always has a perfect view out, while also providing visual privacy and glare control.
**Additional product information**

**Recommendation for controlling external venetian blinds with ProVisio technology**

Essentially, there are two possible solutions for controlling external venetian blinds with ProVisio technology

- Control without comfort position
- Control with comfort position

**Function differences**

<table>
<thead>
<tr>
<th></th>
<th>Without comfort position</th>
<th>With comfort position</th>
</tr>
</thead>
<tbody>
<tr>
<td>Downward movement</td>
<td>Slats open in &quot;optimal glare control angle&quot;</td>
<td>Slats open in &quot;optimal glare control angle&quot;</td>
</tr>
<tr>
<td>Behaviour in the lower limit position</td>
<td>External venetian blind closes completely</td>
<td>External venetian blind stops in the comfort position</td>
</tr>
<tr>
<td></td>
<td>Room is darkened</td>
<td>Room is not darkened</td>
</tr>
<tr>
<td></td>
<td>Counter-impulse from user or control required</td>
<td>No intervention required</td>
</tr>
<tr>
<td>Closing of slats</td>
<td>Possible in the lower limit position</td>
<td>Possible in the lower limit position</td>
</tr>
<tr>
<td>Raising</td>
<td>Slats open in &quot;optimal view out angle&quot;</td>
<td>Slats open in &quot;optimal view out angle&quot;</td>
</tr>
</tbody>
</table>

**Recommended comfort position:** Set external venetian blind position (depth) to approx. 80 - 90 %

**Recommended external venetian blind parameters for setting the control:**

- Tilting time: 1.1 s
- Max. tilt angle: 75°
- Min. tilt angle: -10°

The indicated external venetian blind parameters are guide values for the control settings and need to be adjusted on site!