Jalousien

Outside venetian blinds
50 mm and 80 mm

Technical catalogue
50 mm and 80 mm outside venetian blinds

EL 80 PF - 80 mm venetian blind, electric with side profiles and headrail cover

Telescopic holder for 80 mm venetian blind with side profiles

STS - self-supporting system for 80 mm outside venetian blind

Bottomlist for 80 mm outside venetian blind

Oval die-cut for lifting tape in 80 mm outside venetian blind

80 mm outside venetian blind seen from the inside
50 mm outside venetian blinds

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80 mm outside venetian blinds

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Detailed description

**Headrail** – U-profile, rolled steel, edges folded on both sides, high stiffness of steel, double folded, width 57 mm and height 51 mm, pretreated chemically, powder coated

**Slats** – 50 mm wide, concave-convex profiled, high quality of aluminium 0.23 mm thick, very elastic, scratching and striking resistant, powder coated with coated edges

**Bottomrail** – closed profile, steel 50 mm wide and 20 mm high, pretreated chemically, powder coated

**Textiles** – ladder made of high quality polyester, matched to slats’ color, textile tape 6 mm wide and 0.03 mm thick, grey (by type A50S there is 3mm cord, color matched)

**Side guiding** – steel cords, coated with PVC, diameter 3.0 mm

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**A 50 S** with lifting cord and rotating cords

**A 50 En** with endless cord

**A 50 Ku** with crank (45° or 90° mounting plate)

**A 50 EL** electric with switch
1. **Operating unit:** slats lifting/dropping cord and rotating cord
   - **A50S A** outside control
   - **A50S GR** cord led to the inside by guiding roll, article no. 16.5074
   - **A50S GRB** cord led to the inside by guiding roll, article no. 16.5074 (in one surface with the rail)
   - **A50S WSA** cord led to the inside by guiding roll, article no. 16.5046 (in the middle)

2. **Operating unit:** endless cord for slats lifting, dropping and rotating
   - Available lengths of endless cord: 100, 135, 175, 200, 225, 300 cm
   - **Notice:** order dimension = slats dimension

   - Mechanism protruding on the side 2,5 cm
   - Guiding roll, article no. 16.2022

3. **Operating unit:** foldable crank for slats lifting/dropping and rotating
   - **A50 Ku 45** Length of crank: up to 250 cm, diameter: 13 mm, color: white or grey
   - **A50 Ku 45T** Length of crank: over 250 cm, diameter: 14 mm, color: white or grey
   - **A50 Ku 90** Diameter: 14 mm, color: white or grey

4. **Operating unit:** 230 V engine with switch for slats lifting/dropping and rotating (engine in the middle, 50 cm wire with Hirschmann plug and clutch), remote control on request
50 mm venetian blinds Slope

Detailed description

**Headrail** – U-profile, rolled steel, edges folded on both sides, high stiffness of steel, double folded, width 57 mm and height 51 mm, pretreated chemically, powder coated

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**Bottomrail** – closed profile, steel 50 mm wide and 20 mm high, pretreated chemically, powder coated

**Textiles** – ladder made of high quality polyester, matched to slats’ color, 3 mm cord, color matched

**Outside venetian blind:** aluminium head- and bottomrail, side guiding. Operated only by the cord, not possible to be led to the inside.

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Maximum size: **7 m²**
Minimum width: 50 cm
Minimum height: 70 cm

Operating unit: lifting and dropping of venetian blind by cord
Slats rotation by cord*

* not with all Slopes available
**Shape no. 1** (quadrangle, slanted headrail)
Only partial lift of the bottomrail possible. Operating unit can be montaged only on the lower side.

**Shape No. 3** (triangle, slanted headrail)
Only slats rotation possible.

**Shape No. 5** (trapezium)
Only slats rotation possible.

**Shape No. 6** (trapezium)
Slats lifting/dropping and rotating possible.
Measuring tips

Montage in the window niche

Montage outside the window niche

width of venetian blind \( B = \) width of the niche \( - 1 \) cm
height of venetian blind \( H = \) height of the niche \( - 1.5 \) cm

width of venetian blind \( B = \) width of the niche \( + 10 \) cm
height of venetian blind \( H = \) height of the niche \( + 1.5 \) cm

By all assembly variants, to avoid problems with window opening and half-opening, please take into consideration protruding of window brackets, windowsills and height of a package.

Minimum width of 50mm outside venetian blinds

<table>
<thead>
<tr>
<th>A50 S (cord/cord)</th>
<th>Guiding roll</th>
<th>Operating type</th>
<th>Minimum width</th>
</tr>
</thead>
<tbody>
<tr>
<td>C (left side)</td>
<td>GR/GRB</td>
<td>available</td>
<td>35 cm</td>
</tr>
<tr>
<td>D (right side)</td>
<td>GR/GRB</td>
<td>available</td>
<td>35 cm</td>
</tr>
<tr>
<td>C (left side)</td>
<td>WSA/A</td>
<td>available</td>
<td>45 cm</td>
</tr>
<tr>
<td>D (right side)</td>
<td>WSA/A</td>
<td>available</td>
<td>45 cm</td>
</tr>
<tr>
<td>A (lifting on the right, rotating on the left)</td>
<td>X</td>
<td>available</td>
<td>45 cm</td>
</tr>
<tr>
<td>B (lifting on the left, rotating on the right)</td>
<td>X</td>
<td>available</td>
<td>45 cm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>A50 En (endless cord)</th>
<th>Operating side</th>
<th>Operating type</th>
<th>Minimum width</th>
</tr>
</thead>
<tbody>
<tr>
<td>A50 En S</td>
<td>left/right</td>
<td>available</td>
<td>45 cm</td>
</tr>
<tr>
<td>A50 En V</td>
<td>left/right</td>
<td>available</td>
<td>55 cm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>A50 Ku (crank)</th>
<th>Operating side</th>
<th>Operating type</th>
<th>Minimum width</th>
</tr>
</thead>
<tbody>
<tr>
<td>A50Ku 45</td>
<td>left/right</td>
<td>available</td>
<td>55 cm</td>
</tr>
<tr>
<td>A50Ku T45</td>
<td>left/right</td>
<td>available</td>
<td>55 cm</td>
</tr>
<tr>
<td>A50Ku 90</td>
<td>left/right</td>
<td>available</td>
<td>55 cm</td>
</tr>
<tr>
<td>A50Ku T90</td>
<td>left/right</td>
<td>available</td>
<td>55 cm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>A50EL (engine)</th>
<th>Operating side</th>
<th>Operating type</th>
<th>Minimum width</th>
</tr>
</thead>
<tbody>
<tr>
<td>J406WT</td>
<td>left/right</td>
<td>available</td>
<td>70 cm</td>
</tr>
</tbody>
</table>
Types and kinds of cranks

<table>
<thead>
<tr>
<th>Venetian blind type</th>
<th>Crank length</th>
<th>Crank type</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>50 Ku</td>
<td>up to 250 cm</td>
<td>K – 13 mm</td>
<td>grey or white</td>
</tr>
<tr>
<td>50 Ku</td>
<td>over 250 cm</td>
<td>K – 14 mm</td>
<td>grey or white</td>
</tr>
</tbody>
</table>

Types of crank bases

Available colours of outside 50 mm venetian blind

<table>
<thead>
<tr>
<th>Slats</th>
<th>Headrail</th>
<th>Bottomrail</th>
<th>Textiles</th>
<th>Tape spacer</th>
<th>Cap</th>
</tr>
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<tbody>
<tr>
<td>0150</td>
<td>0204</td>
<td>0150</td>
<td>01</td>
<td>white</td>
<td>0204</td>
</tr>
<tr>
<td>0204</td>
<td>0204</td>
<td>0204</td>
<td>01</td>
<td>white</td>
<td>0204</td>
</tr>
<tr>
<td>0606</td>
<td>0606</td>
<td>0606</td>
<td>21</td>
<td>white</td>
<td>0204</td>
</tr>
<tr>
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<td>3750</td>
<td>3750</td>
<td>06</td>
<td>silver</td>
<td>7010</td>
</tr>
<tr>
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<td>4459</td>
<td>4459</td>
<td>23</td>
<td>white</td>
<td>0204</td>
</tr>
<tr>
<td>4851</td>
<td>4851</td>
<td>4851</td>
<td>25</td>
<td>silver</td>
<td>7010</td>
</tr>
<tr>
<td>7010</td>
<td>7010</td>
<td>7010</td>
<td>32</td>
<td>silver</td>
<td>7010</td>
</tr>
</tbody>
</table>
Working station by the computer

Since December 21st 1999 all working stations must comply with requirements of DIN* 5034 part 1, DIN 5053 part 1, DIN 66234 and § 6 of Regulations on Working Stations. Most important requirements concerning visibility and sunlight protection are:

– protection from light and thermal radiation of the sun
– permanent access to the sunlight

Because every office has different requirements concerning protection from the sunlight, therefore it has to be checked which of the offered systems is the most suitable solution.

50 mm outside venetian blinds with adjustment to day light
Outside venetian blinds reflect thermal radiation most effectively. Moveable slats guarantee optimal protection from the sunlight and heat also on the southern windows. Option with additional adjustment to day light with upper slats opened providing necessary level of sunlight in the room and lower slats closed what prevents from the glare. Operating unit: monocomando (endless cord), crank or engine (motorised blind). Operating with a cord, but only from the outside, is also available.

* DIN (Deutsches Institut für Normung e.V.) - German Insitute for Standardization
50 mm electric venetian blinds – examples of Somfy controlling systems

Operating – wireless with remote control

Radio receiver – assembly inside the headrail, Moduli Slim Receiver RTS

Dostępny jest również silnik z wbudowanym, zintegrowanym odbiornikiem radiowym.

Rules of operating

Radio receiver (surface and under-plaster montage) – radio engine controller RCE 801

Operating – wired

Rules of operating

By all assembly variants, to avoid problems with window opening and half-opening, please take into consideration protruding of window brackets, windowsills and height of a package. Other control variants on request.
**Order form – 50 mm outside venetian blinds**

<table>
<thead>
<tr>
<th>Pos.</th>
<th>Pieces</th>
<th>Width x height final dimensions (in cm)</th>
<th>Type</th>
<th>Color</th>
<th>Operating side (left/right)</th>
<th>Lenght of operating unit (in cm)</th>
<th>Side leading 555, 519, 232, 191</th>
<th>Bracket 307, 313</th>
<th>Order name</th>
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<tbody>
<tr>
<td>1.</td>
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<tr>
<td>Order name</td>
<td>Pieces</td>
<td>Type</td>
<td>Color</td>
<td>Width (in cm)</td>
<td>Height (in cm)</td>
<td>Operating side</td>
<td>Length of operating unit (in cm)</td>
<td>Bracket 307, 313, 301, 313</td>
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</tbody>
</table>
80 mm outside venetian blinds

Description of 80 mm outside venetian blinds types

**Typ KU 80 SF (80 mm outside venetain blind with crank and side guiding)**

Outside blind with a folding crank for slats lifting, dropping and rotating. C-shaped 80 mm wide slats with rounded edges. The crank is connected with a universal joint and hexagonal profiled bar leading through the wall to the indoors. 3 mm side guiding steel string, UV resistant, covered with Polyamid.

min. width: 44 cm  
max. size: width 600 cm x height 500 cm

**Typ KU 80 PF (80 mm outside venetian blind with crank and side profiles)**

Outside blind with a folding crank for slats lifting, dropping and rotating. C-shaped 80 mm wide slats with rounded edges. The crank is connected with a universal joint and hexagonal profiled bar leading through the wall to the indoors. Side profile of the size 20 mm x 22 mm (PF1 - single profile) or 40 mm x 22 mm (PF2 - double profile). Slats are tamped with nipples alternately what prevents from hitching in the side profiles.

min. width: 44 cm  
max. size: width 600 cm x height 500 cm

**Typ EL 80 SF (80 mm outside electric venetian blind with side guiding)**

Outside electric blind with 230V/50Hz engine. Slats lifting, dropping and rotating by a switch: up - down - stop. C-shaped 80 mm wide slats with rounded edges. 3 mm side guiding steel string, UV resistant, covered with Polyamid.

min. width: 52 cm  
max. size: width 600 cm x height 500 cm

**Typ EL 80 PF (80 mm outside electric venetian blind with side profiles)**

Outside electric blind with 230V/50Hz engine. Slats lifting, dropping and rotating by a switch: up - down - stop. C-shaped 80 mm wide slats with rounded edges. Side profile of the size 20 mm x 22 mm (PF1 = single profile) or 40 mm x 22 mm (PF2 = double profile). Slats are tamped with nipples alternately what prevents from hitching in the side profiles.

min. width: 52 cm  
max. size: width 600 cm x height 500 cm

**Typ KU 80 SF GK, KU 80 PF GK, EL 80 SF GK, EL 80 PF GK**

Connected outside venetian blinds - unit as described above. More products with one operating unit - crank or engine.

Min. width of the product without operating unit: 25 cm.

**Types with STS side profile (self supporting system)**

Outside blind with self-supporting assembly system (when mounting headrail to the ceiling using assembly brackets is necessary). Side profile of the size 20 mm x 39 mm.
80 mm outside venetian blinds

Product’s review

EL 80 PF (80 mm outside electric venetian blind with side profiles)

EL 80 PF-GK (80 mm connected electric outside venetian blind with side profiles)

EL 80 STS (80 mm outside electric venetian blind with self-supporting system)

EL 80 SF (80 mm outside electric venetian blind with side guiding)

KU 80 PF (80 mm outside venetian blind with crank and side profiles)

KU 80 PF-GK (80 mm connected outside venetian blind with crank and side profiles)

KU 80 STS (80 mm outside venetian blind with vrank and self-supporting system)

KU 80 SF (80 mm outside venetain blind with crank and side guiding)
Side guiding variants

Side guiding (steel string)

Wall

S-Standard
(standard color: brass)

A-Automatic
(standard color: galvanized)

Automatic - with additional charge

RAL lacquer with additional charge

Wall

55 - 76 mm
83 - 100 mm
111 - 132 mm

(standard color: anodized)

Side profile
(standard color: anodized)

Side profile 1 (PF1)
20 x 22 mm

Side profile 2 (PF2)
40 x 22 mm

Self-supporting system (STS)
20 x 39 mm

Headrail roll-formed
(standard color: anodized)

80 mm outside venetian blinds
Since December 21st 1999 all working stations must comply with requirements of DIN* 5034 part 1, DIN 5053 part 1, DIN 66234 and § 6 of Regulations on Working Stations. Most important requirements concerning visibility and sunlight protection are:

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Outside venetian blinds reflect thermal radiation most effectively. Moveable slats guarantee optimal protection from the sunlight and heat also on the southern windows.

**80 mm outside venetian blinds with adjustment to day light**

Option with additional adjustment to day light with upper slats opened providing necessary level of sunlight in the room and lower slats closed what prevents from the glare.

With additional charge.
### Available forms of headrail covers

<table>
<thead>
<tr>
<th>Form</th>
<th>Total circuit in mm</th>
<th>Connector</th>
<th>Endcap</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
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<tr>
<td>2</td>
<td>0-200</td>
<td>201-250</td>
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<td></td>
<td>951-1000</td>
<td>951-1000</td>
<td>950-1000</td>
</tr>
</tbody>
</table>

**Example:** Form 2, H1 = 110 mm, H2 = 100 mm, B = 90 mm, X1 = 10 mm x 2

Total circuit in mm = H1 + H2 + B + X1 = 110 mm + 100 mm + 90 mm + 2 x 10 mm = 320 mm

Aluminum, thickness of 2 mm, RAL lacquer as a standard. End caps and connectors are added separately.
**Order form of 80 mm outdoor Venetian blinds**

```
<table>
<thead>
<tr>
<th>Type</th>
<th>Color</th>
<th>Damper seal for slats (yes/no)</th>
<th>Operating side</th>
<th>Crank angle (in mm)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>S</td>
<td>S</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ST</td>
<td>ST</td>
<td></td>
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<tr>
<td>TD</td>
<td>TD</td>
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<td></td>
</tr>
</tbody>
</table>

---

**Dimensions**

- Width x height (final size in cm)
- Color:
  - Bottom list:                         
  - Side profile:                         
  - Distancing holder:                          

Slats are available in every RAL color on request.

---

**Additional Information**

- By TD 120-320 holder please precise the exact desired distance from the wall.
- By looking from inside, starting from the left side.
- In position A: (quantity of pieces)
- A: Length in mm.  S: Length in mm.  W: Length in mm.
- A: Length in mm.  S: Length in mm.  W: Length in mm.
- Color:
  - S - Standard (no additional charge)
  - ST - Standard with additional charge
  - TD - Telescopic (additional charge)

**Order Date**

- Order name
- Bracket
- Pos.
- Pieces
- Order name

---

**Company Stamp**

---

**Dispatch date**

---

**Note**

- In position A: (quantity of pieces)
- A: Length in mm.  S: Length in mm.  W: Length in mm.
- A: Length in mm.  S: Length in mm.  W: Length in mm.
- Color:
  - S - Standard (no additional charge)
  - ST - Standard with additional charge
  - TD - Telescopic (additional charge)
**Order form of headrail cover**

<table>
<thead>
<tr>
<th>Position</th>
<th>Pieces</th>
<th>Form</th>
<th>Kolor</th>
<th>Headrail cover length*** (final size in cm)</th>
<th>B</th>
<th>H1</th>
<th>H2</th>
<th>H3</th>
<th>X1 or X2</th>
<th>End caps*</th>
<th>Connector quantity of pieces</th>
<th>Order name</th>
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*End caps and connectors are added separately.*

**Looking from inside, starting from the left side.**

***Maximal headrail cover length without a connector is 300 cm.*
General Business Terms and Conditions

Hereinafter a firm “Artur Janczak Sonnenschutz e.K.” is referred to as the Seller, and the other party to the contract – the Buyer. All supplies, services, offers, and other legal actions are subject to these general business conditions, which govern also any future not listed business relations. The Buyer shall acknowledge these terms and conditions at the latest by accepting our products and services. The Seller shall not be bound by any selling terms and conditions or the Buyer’s reservations that are contrary to these terms and conditions, even if the Seller has not expressed his manifest objection to such terms and conditions or objections. Deviations from these terms and conditions as to their validity are possible only with the written consent of the Seller. The invalidity of any provision shall not affect the validity of the remaining provisions of these General Business Terms and Conditions.

2. Offers
Any offers of the Seller, including information about the dimensions, drawings, mapping, descriptions, as well as the offers submitted on behalf of the Seller by third parties shall not be binding, except for different written agreement. When ordering the goods or services the Buyer in a binding way declares his willingness to purchase them. The contract with the Seller becomes executed through the actual completion of the order or by written or telex confirmation of the order acceptance. The orders by phone are accepted only at the risk of the Buyer.

3. Prices
The prices included in the Seller’s price lists on the date of delivery shall be valid. We reserve the right to change a price. The prices include a statutory value added tax. Delivery of packages within a territory of Germany up to 270 cm in length, free freight is via UPS (standard shipping). For the delivery of parcels over 270 cm in length a flat rate of 25 Euro is charged. The flat rate is not charged for the goods with a net value exceeding 75 Euro. For express delivery the consequent costs will be charged. For orders with a value lower than 15 Euro (e.g. spare parts) is added a fee in amount of 5 Euro is charged for ordering of too small quantity.

4. Payments
The Buyer is obliged to pay the full invoice value within 30 days from the invoice date without any deduction. Discount can be granted only if amounts due under the previous deliveries are settled and the amount of invoice is received on the Seller’s bank account within 8 days from the invoice date. For new customers, as well as in case of the payment problems, or in case of delays in payment the Seller is entitled to demand payment in cash or prepayment. Set-off of the mutual claims of the Seller against the Buyer’s claims is excluded, unless it concerns undisputable or validly found claims. The Seller shall have the right to charge interest on late payments of 2% per annum above the annual discount rate of the central bank of the Federal Republic of Germany.

5. Delivery, transfer of risk
The delivery deadlines specified by the Seller shall not be binding, unless it has been confirmed in writing otherwise. The risk of the goods shipment lies with the Buyer. Any visible damage during shipping must be noted by the Buyer on the waybill, while the hidden damage must be notified by the Buyer to the Seller within 6 days. The obligation of disposal of the packaging used for transport lies with the Buyer.

6. Warranty
In the case of a justified complaint the Seller at its discretion will replace or repair the defective goods. In the case of repair the Seller is obligated to incur the necessary costs, but only those related to transport, labour and materials, if they are not increased by the transfer of goods to a different place than the place of obligation fulfilment.
In the case of unsuccessful repair, or the inability to repair or deliver substitute goods, the Buyer at its discretion may require a price reduction or withdraw from the contract. Further pursue for damages in this case is excluded. The above-mentioned limitations of liability do not apply if the damage occurs as a result of wilful misconduct or gross negligence of the Seller. Limitation of liability does not apply also in case of Seller’s claims for compensation in the absence of guaranteed characteristics. The rights under the warranty shall lapse after 24 months from date of dispatch or giving out of goods from the warehouse. Technically unavoidable and accepted in trade differences in colour, weight, performance and/or design are not subject to complaint. In other cases, the complaint must be submitted within 8 days from the date of receipt. Hidden defects must be submitted by the Buyer immediately after their discovery.

7. Retention of title
The Seller reserves the right to ownership of the delivered goods until payment of all amounts due under the contract. The Buyer has no right to pledge the goods or to make a security of them. The Buyer must immediately notify in writing the Seller in the event of a lien or interference by third parties and inform the creditor of a lien about the existing retention of a title. When re-selling the goods, the Buyer shall reserve the Seller’s ownership. The claims arising from the resale of goods, the Buyer shall give up to the Seller. The Buyer is obliged to transfer to the Seller any payments resulting from the resale. Processing or reconstruction of the goods by the Buyer is still done for the Seller. If the goods are processed together with other objects not belonging to the Seller, the Seller acquires co-ownership of the new items in proportion of the Seller’s good value to the other processed goods for the time of processing.

8. Jurisdiction and place of execution
A court having a material jurisdiction, if it is legally permissible, shall be a court in Berlin. This also applies to the proceedings by writ of payment. The place of performance for deliveries and payments is Berlin. The agreement shall be governed by the laws of Federal Republic of Germany; uniform law of international sale of goods is not applicable.

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Amtsgericht Berlin-Charlottenburg HRA 30712