

External venetian blinds



Asymmetrical external venetian blinds

for asymmetrical windows.

WAREMA asymmetrical external venetian blinds provide ideal protection from the sun even with angled windows and, thanks to their clever mechanism, are ideal for use with angles of from 5° to 52°. They match the other styles of WAREMA external venetian blinds perfectly, thereby allowing you to create a coordinated appearance. You may also wish to opt for the benefits of a solar drive.

Product benefits

- Visually match all other styles of WAREMA external venetian blinds
- Suitable for use with all asymmetrical windows with angles of from 5° to 52°

Features

- Construction limit values:
 - Max. width: 1820-2510 mm
 - Max. height: 3900 mm
 - Max. surface area: 7 m²
- Slats: Flat slats 80 mm
- Drives: 230 V central motor, solar drive

Installation situation

- Mullion-transom facades/Conservatories
- In front of facades
- In the reveal
- Rear-ventilated facades
- Double skin facades



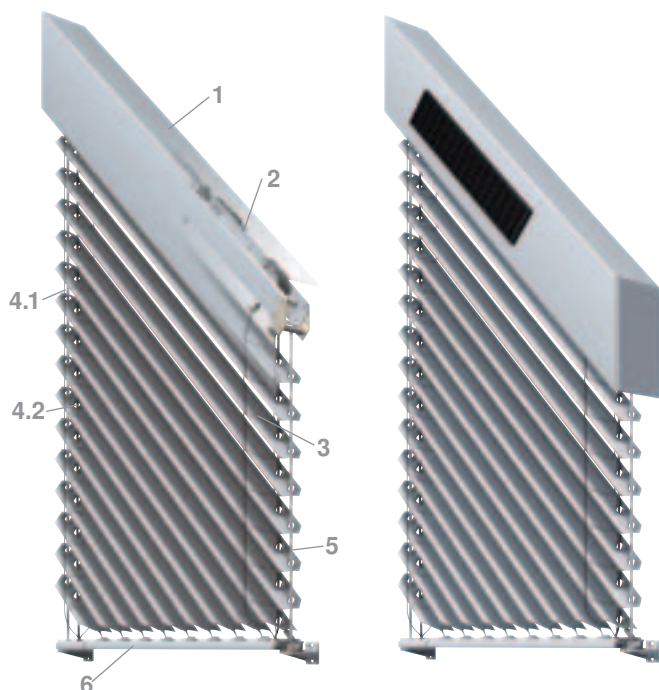


Asymmetrical external venetian blind E 80 AF SR with flat slats and special lateral guidance for asymmetrical window angles from 5° to 52°

- ① Box
- ② Lateral guidance
- ③ Bottom rail
- ④ Lifting tape
- ⑤ Tilting tape
- ⑥ Slats

E 80 AF SR asymmetrical external venetian blinds

Description



Application

For mounting on mullion and transom facades or conservatories, in the reveal or in ventilated facades, in double skin facades, in front of facade.

Operation

Motor

Raising, lowering and tilting of slats by pressing a switch.

Voltage: 230 V, other voltages possible

Frequency: 50 Hz, other frequencies possible

Degree of protection: IP 54

Plug connection: Hirschmann coupling

When the upper or lower limit position is reached, the drive is switched off by built-in, adjustable limit switches.

Solar drive (optional)

Raising, lowering and tilting of slats via hand-held radio transmitter operation.

Voltage: 12 V

Degree of protection: IP 44

External solar panel fastened to box, optional external panel.

Construction limit values in mm

Inclination of the top rail ¹⁾	Width (b) min.	Width ¹⁾ (b) max.	Min. height of short side (a)	Min. height of long side (c)	Max. blind surface area (m ²)	Slat width	Drive
5° – 52°	700 – 1,050 (750 ²⁾ /1200 ³⁾)	1,670 – 2,510	180	3,900 (2,600 ⁴⁾)	7 (5 ³⁾) ⁴⁾	80	Motor

¹⁾ The maximum and minimum widths depend on the angle of inclination of the top rail. Blind surface area = ((a+b)/2)x b

²⁾ Model with solar drive and 1 solar panel

³⁾ Model with solar drive and 2 solar panels

⁴⁾ Model with solar drive

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Description

Top rail (1)

Material: aluminium, extruded
Material thickness: 1.5 mm
Dimensions (W x H): 59 x 51 mm
Profile: C-profile
Surface: plain, optionally powder-coated or anodised
Fixing: with plain aluminium bracket
Inclination angle: 5° to 52°

Tilt rod (2)

Material: steel, galvanised
Material thickness: 1 mm
Dimensions (W x H): 12 x 12 mm
Profile: square tube
Surface: plain

Bearing

maintenance-free, enclosed
Enclosure: plastic, contains teflon
Tilting reel: plastic
Tape reel: plastic
Segment tilting to prevent slats tilting of their own accord.

Slats (3)

Flat slat, curved
Material: aluminium, special alloy
Material thickness: approx. 0.45 mm
Dimensions (B): 80 mm
Installation: convex
Surface: corrosion-resistant enamel coating applied using special process
Colour: in accordance with WAREMA colour chart for external venetian blinds

All stamped cutouts in the slats are fitted with black protective eyelets to ensure perfect guiding of the lifting tapes (reduction of abrasion) and for fixing the webs of the tilting tape.
The blind lowers with the slats closed and rises with the slats open.
All slats are either guided on both sides in the wind protection device, or on one side in the wind protection device and one side in the telescopic bottom rail.

Tilting tape/lifting tape (4)

Tilting tapes (4.1)

Heavy-duty special version with double webs
Material: polyester, with Kevlar core
Colour: black

Each slat is fixed to the upper web of the tilting tape and is threaded through the double webs.

Lifting tapes (4.2)

Material: polyester, special coating
Colour: black

Lateral guidance (5)

Cable

Wire strand
Material: steel, stainless
Sheathing: polyamide
Dimensions (Ø): 3.3 mm
Colour: black or transparent sheathing
Fixing: tension cable bracket, aluminium

The cable guidance systems are fastened to the top rail with a special spring tension device which compensates for thermal expansion in the top rail. Cable guidance systems run through the slats and bottom rail. They are fastened to the window or wall using tension cable brackets with tensioning devices.

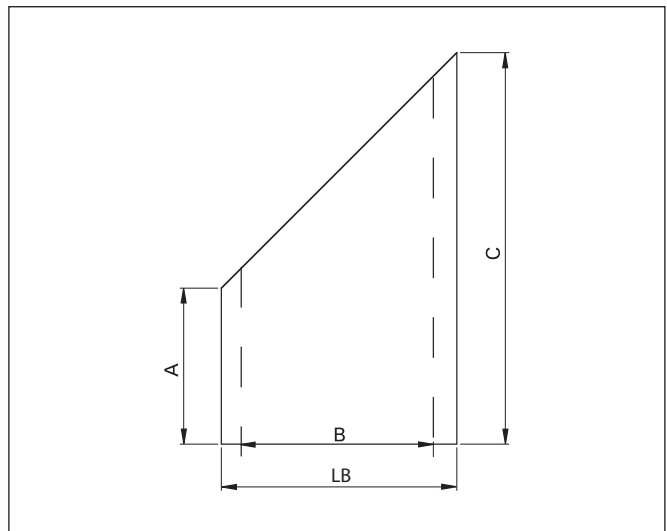
Telescopic bottom rail (6)

With end caps, consisting of an outer and inner profile
Material: aluminium, extruded
Dimensions (W x H): 80 x 21.5 mm
Surface: powder-coated, optionally anodised
End caps: plastic, black
The inner profile is guided in the outer profile via plastic bearings, to prevent the profiles from touching. Additional tilting tapes are flexibly integrated into plastic gliders, to keep the tilting tape projections to a minimum.
Short slats are constantly guided in at least one of the profiles via plastic gliders and plastic nipples.

Colours

Aluminium parts (apart from slats) are powder-coated and undergo chrome-free pretreatment according to latest RAL classic colour chart (with the exception of camouflage and fluorescent colours) or are available in DB 701, 702, 703 as well as 8 textured colours in accordance with WAREMA colour specification.
Other colour specifications or special colours are available for an additional charge.

Inclination of the top rail¹⁾



F = Blind surface area

C = Long side

A = Short side

LB = Reveal width

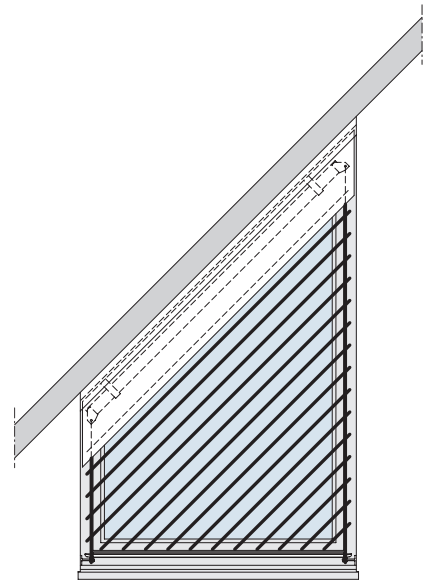
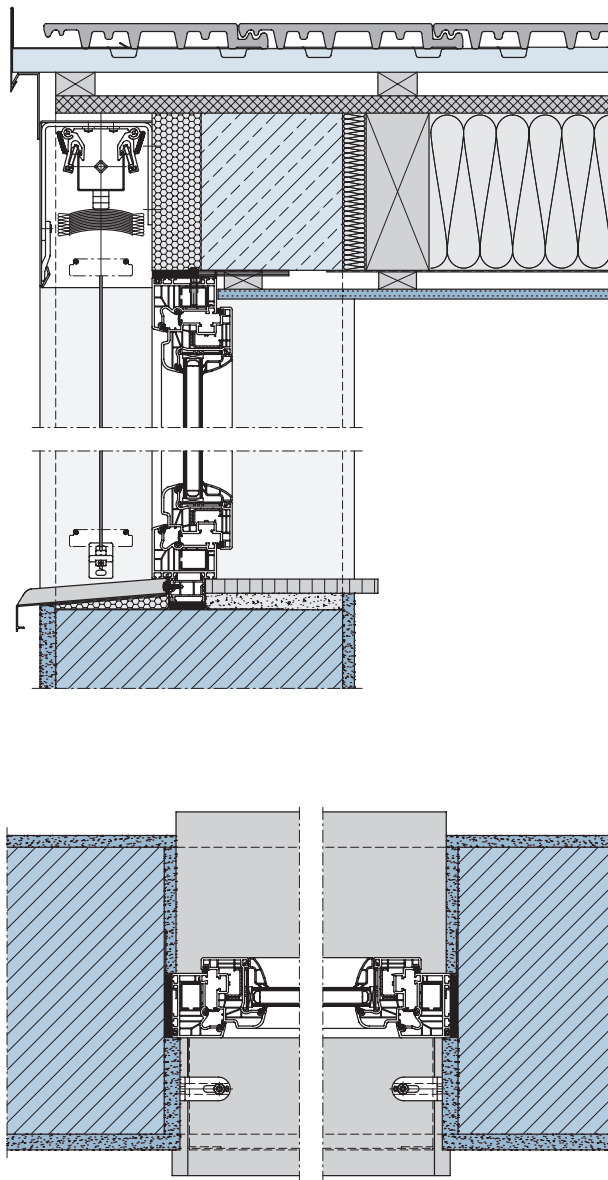
Attention:

Enter the area calculation values in metres.

$$F = \frac{(A+C)}{2} \times LB$$

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Installation example



22996 and 22992



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or email sales@warema.com.au

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