

Exterior window shutters

HOTwood ash

horizontal or vertical



Exterior window shutters are easy to install and help deflect heat during the day. Louvers can be adjusted manually or an automated system can be fitted.

Technical characteristics

Wood type: HOTwood ash (thermally modified ash)

Certification: PEFC or FSC® (upon request)

Durability class: 1 (Catas certificate upon request)

Moisture content: 4-6%

Bending strength: 81.9

Modulus of elasticity: 15.68

Density: 603kg/m³

Width shrinkage for EMC 35 - 65%: 0.34%

Dimensions

For horizontal or vertical installation.

Frame: 130x32 mm

Louvers: 120x20 mm or 120x25 mm

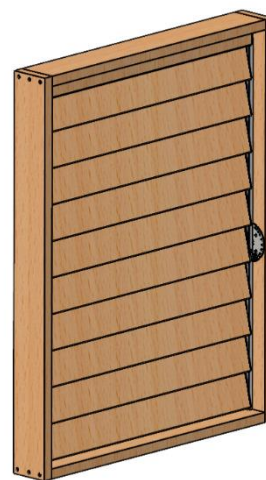
Louver distance: 115 mm

Closed louvers overlap by about 2mm.

Always pre-drill when using screws.

The frame may be optional. If the existing structure is solid and right-angled, the system can be installed without the frame (130x32mm).

A frame is required with electric shutters, since the motor is integrated in the frame.



Size range

Vertical louvers

- louvers 120x20mm
maximum height: 2,2m
maximum width: 3m
- louvers 120x25mm
maximum height: 3m
maximum width: 3m

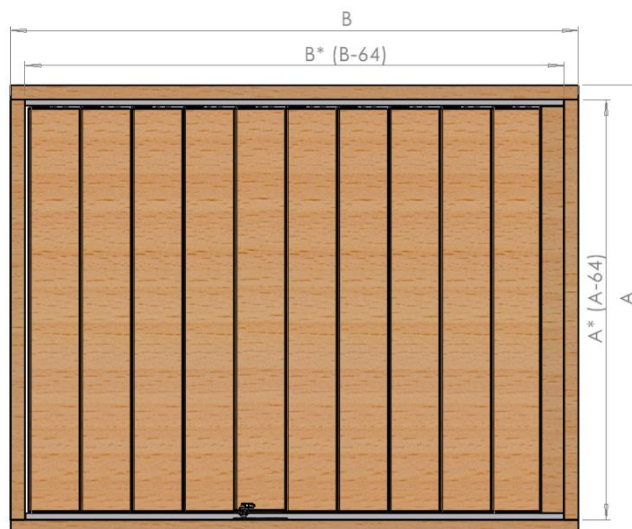
Horizontal louvers

- louvers 120x20mm
maximum height: 3m
maximum width: 1,1m
- louvers 120x25mm
maximum height: 3m
maximum width: 2m

Other sizes available upon request

Number of louvers

# louvers	B size (mm) including frame		B* size (mm) excluding frame	
	From	To	From	To
5	658 - 772		594 - 708	
6	773 - 887		709 - 823	
7	888 - 1002		824 - 938	
8	1003 - 1117		939 - 1053	
9	1118 - 1232		1054 - 1168	
10	1233 - 1347		1169 - 1283	
11	1348 - 1462		1284 - 1398	
12	1463 - 1577		1399 - 1513	
13	1578 - 1692		1514 - 1628	
14	1693 - 1807		1629 - 1743	
15	1808 - 1922		1744 - 1858	
16	1923 - 2037		1859 - 1973	
17	2038 - 2152		1974 - 2088	
18	2153 - 2267		2089 - 2203	
19	2268 - 2382		2204 - 2318	
20	2383 - 2497		2319 - 2433	
21	2498 - 2612		2434 - 2548	
22	2613 - 2727		2549 - 2663	
23	2728 - 2842		2664 - 2778	
24	2843 - 2957		2779 - 2893	
25	2958 - 3072		2894 - 3008	

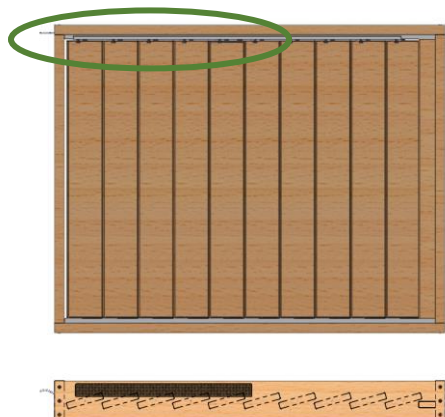


Note:

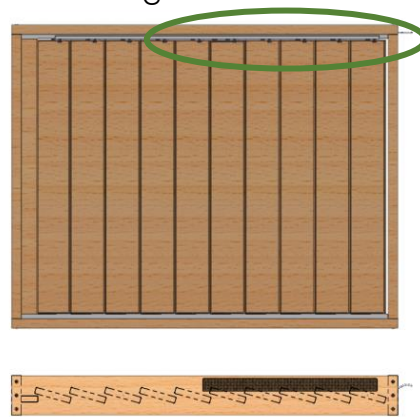
When replacing louvers, the cover plate must be accessible.

Motor position

LEFT: motor at top – back
– left



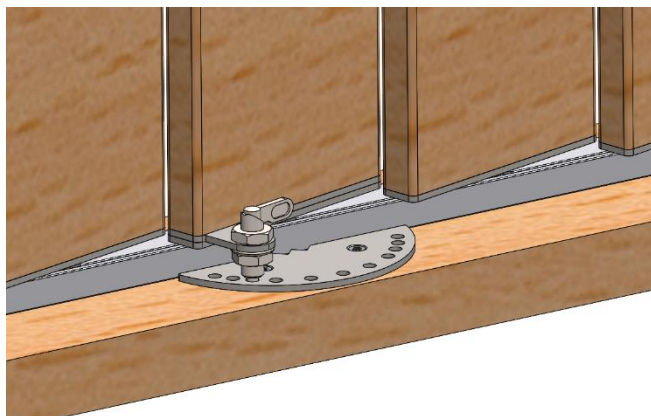
RIGHT: motor at top – back
– right



Motors are always situated at the top of vertical shutters.

Technical details

Blocking system for manually adjustable louvers



Motorised system



Motorised system includes 24V motor.
Control and transformer not supplied.

Technical specifications motor

Rated voltage	24 V DC
Stroke speed	4,5 mm/s
Rated current	1 A
Power	24 W
Length of the connection cable	2 m
Protection class	IP 67
Operating temperature range	-20°C to +80°C
Airborne noise emission	< 70 dB (A) 1

Watch our assembly instruction video on YouTube at
<https://www.youtube.com/watch?v=2UwGBJwYpAc&t=7s>