

## Patio shutters

HOTwood ash

horizontal or vertical



Patio shutters can be used to partition area on a patio or in a garden. But they're also perfect as the side panel of a louvered pergola or a patio cover. 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/m<sup>3</sup>

Width shrinkage for EMC 35 - 65%: 0.34%

### Dimensions

For horizontal or vertical installation.

Frame: 130x32 mm

Louvers: 120x20 mm or 120x25 mm

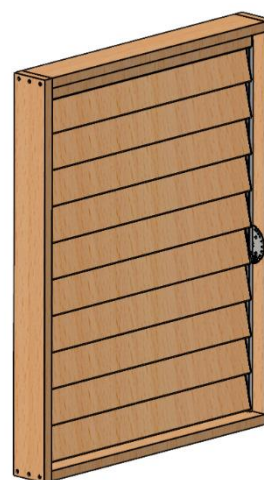
Louver distance: 115 mm

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

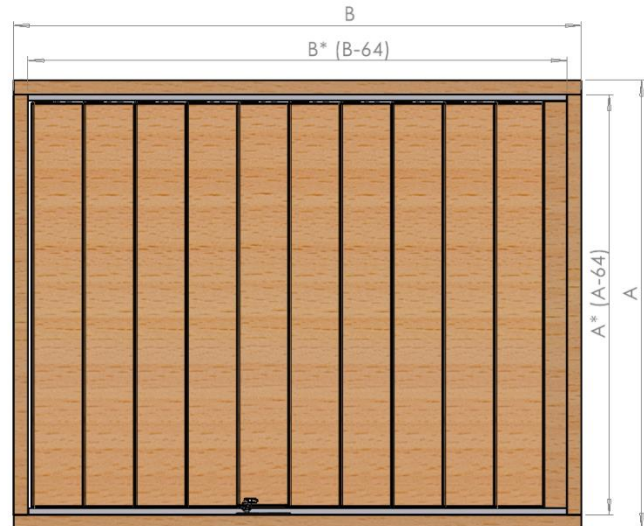
Horizontal louvers

- 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	

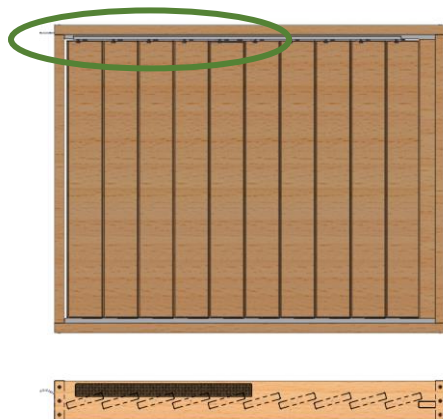


Note:

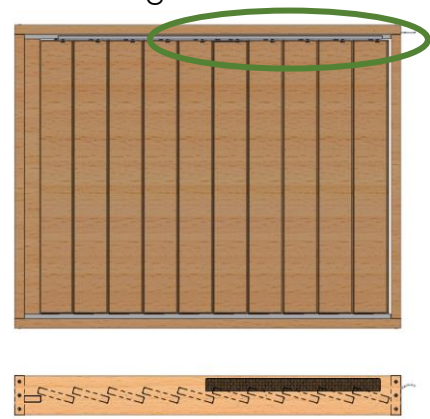
When replacing louvers, the cover plate must be accessible.

**Motor position**

LEFT: motor at top – back  
– left



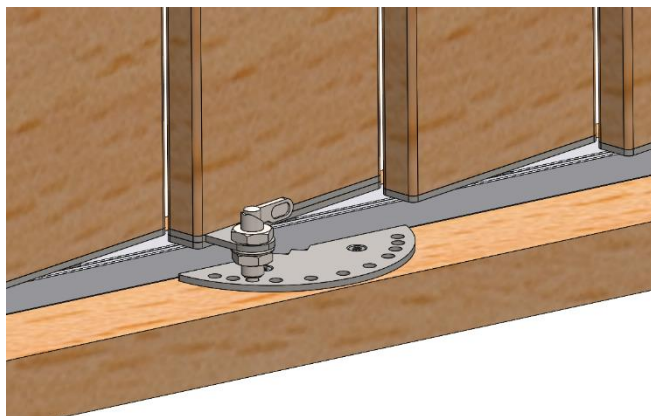
RIGHT: motor at top – back  
– right



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>