

LUXURY & FUNCTIONALITY



BIOCLIMATIC ALUMINIUM PERGOLA

BAT R

BIOCLIMATIC PERGOLA

- clever use of natural energy and construction materials to achieve the comfort we are used to and which we require
- all this without unnecessarily damaging the environment
- tilted louvers reflect the sun's rays when shading, while at the same time venting hot air that rises upwards
- in addition to shielding and ventilation, this system also provides rain protection when the louvers are completely closed, whereby excess water flows from the roof through an integrated drainage system

Pergola for demanding customers

For those who require the best in the market, whether in terms of function or design, Bat R pergola is the ideal solution. This type of pergola is suitable for terraces, atriums, porches, restaurants or as a stand-alone object for gardens. It is assembled separately or forms a part of a house.

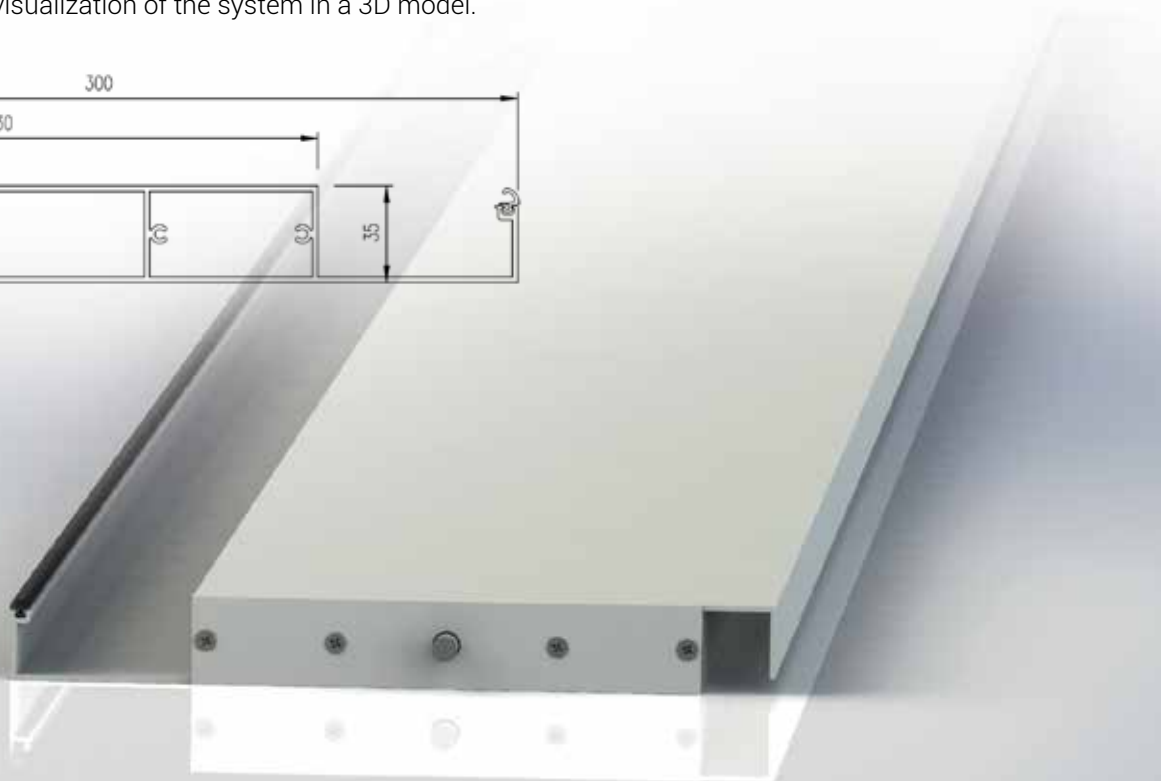
Main advantages

- modern and original design
- light and shade control thanks to turning of louvers
- natural ventilation
- anti-rain function with well thought-out water drainage system
- the highest quality of materials
- highest durability, maintenance-free, color fastness
- recessed guide rails for other shielding elements
- tailor-made manufacture
- one manufacturer / assembly / service



Tailor-made manufacture

We manufacture tailor-made pergolas from the highest quality materials in our factory, in Mníšek at Liberec. It's also possible to order a visualization of the system in a 3D model.



cross-section of the Bat R louver and its dimensions

System description

The stand alone structure has 4 or more columns (150 x 150 mm profiles).

The house extension has two or more columns - one (or more) side is fixed to the facade.

The aluminum louvers system can be swiveled from 0° - 140° with the remote control (the minimum tilt range is 1°).

Bat R louvers ensure perfect ventilation effect and in case of a rain are 97% waterproof.

There is a hidden built-in drain for water drainage within the construction, which is integrated into the vertical supporting profiles.



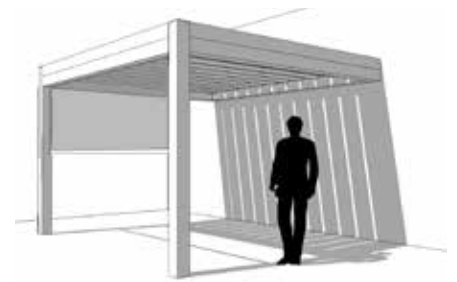
cross-section of the Bat R louver and its tilting possibilities

Dimensions

The maximum area dimension of one module array is 6.0 x 4.5 m, the maximum length of the louvers is 4.2 m per one module. Modular arrays can be arranged side by side or behind each other.

Assembly / installation variants

- 1 Stand alone
Bat R single**
 Basic, joined or extended design
- 2 Louvers parallel to the wall
Bat R parallel**
 Basic, joined or extended design
- 3 Louvers perpendicular to the wall
Bat R vertical**
 Basic, joined or extended design



The specific method of assembly and anchoring is always resolved according to the specific site conditions. The assembly is done by our experienced and well trained installers within our area of operation. Other atypical pergola construction types can be solved individually according to the customer's wishes.

Material and color

It is an all-aluminum construction made of branded thick-walled profile 150 x 150 m. Maintenance-free pergola with long life, weather resistance and color fastness is created thanks to high-quality material and varnish. In our own paint shop we paint with the highest quality powder facade paints in hundreds of different shades of colors, in various surfaces and gloss levels.



Drives and controls

The louvers are controlled by a remote control that comes with the pergola. Pergola control is motorized. Another option is to connect it to a smart home that allows remote control using a phone or tablet with operating system android or iOS.

Standard supplied pergola equipment

- 12 V motor (220 V power supply)
- 1x remote control
- 1x control unit

Above-standard supplied pergola equipment

- sunshade
- integrated side screen blind
- fixed or sliding door system Heroal
- glass screen
- loudspeakers, heaters, rain sensor, etc.
- indoor LED lighting

Custom price offer

Each of our products has its story that is created by our engineers, designers, drafters and continues through production halls with cutting-edge machines. Every product from us is the original to which we have a unique approach. There are many variants of bioclimatic pergolas, so it's difficult to determine the price without consulting the client first. Contact us and we will create a custom price offer for you.

Preparation and equipment

- There must be a concrete foundation for anchoring under each support column. In the overgrown terrain, concrete foundation footings of approx. 500 x 500 mm must be prepared in the so-called non-freezing depth (80 - 100 cm).
- An outlet of storm sewer for connecting the vertical drain of rainwater may be a part of the foundation.
- Pergola is a simple structure (similar to a greenhouse or gazebo) that falls under the reporting duty to the building authority.
- The BAT R pergola system is not primarily intended for the winter season and snow protection. It is recommended to leave the louvers open at 90° during this period to allow 80% of the snow to fall through and prevent damage. In the closed position, the louvers can withstand loads of 150 kg/m². Nevertheless, the location and technical solution of the anchorage system must always be taken into account.

Come visit us

Do you feel the need to try out the pergola control personally? Would you like to see it assembled and ready to use? Our engineers in our showrooms are ready to answer all your questions, demonstrate pergola functions and recommend an ideal solution.

One manufacturer, one style, one responsibility

In addition to pergolas, we also manufacture gates, fences, sunshades, shutters, garage doors, windows, doors, louvers, blinds and much more. We harmonize everything into one style, saving you the time for organizing the work of different suppliers; therefore, you can be sure that each of our products is cohesive.



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