

# ALUMINIUM CNC

**Lasting Quality** - A process guarantee that the raw material in all aluminum parts retains its purity and integrity, even to an atomic level.

Scientific tests and studies have proven the far superior strength of components manufactured with **CNC Machining** as opposed to the traditional molding process.

CNC machining aligns the aluminum unidirectionally, ensuring it remains 100% compact, and thus much more resistant to **impact, fatigue and corrosion**.

structure  
**ALUMINIUM INJECTION**



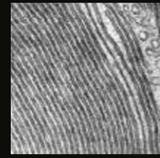
## ROCKWELL HARDNESS TEST

**INJECTION AL** 40 - 50 HRB

**MACHINED AL CNC** 81 HRB

**Procedure:** The Rockwell test determines the hardness by measuring the depth of penetration of an indenter under a large load compared to the penetration made by a pre-load. In these tests it was proven that the CNC component is twice as resistant as the injection molded part.

structure  
**ALUMINIUM CNC**



WARRANTY  
**10**  
YEARS

A BRAND NEW **GENERATION** AWNINGS & PERGOLAS

by **nevaluz**



SAHARA  SIWAH BIOCLIMATIC

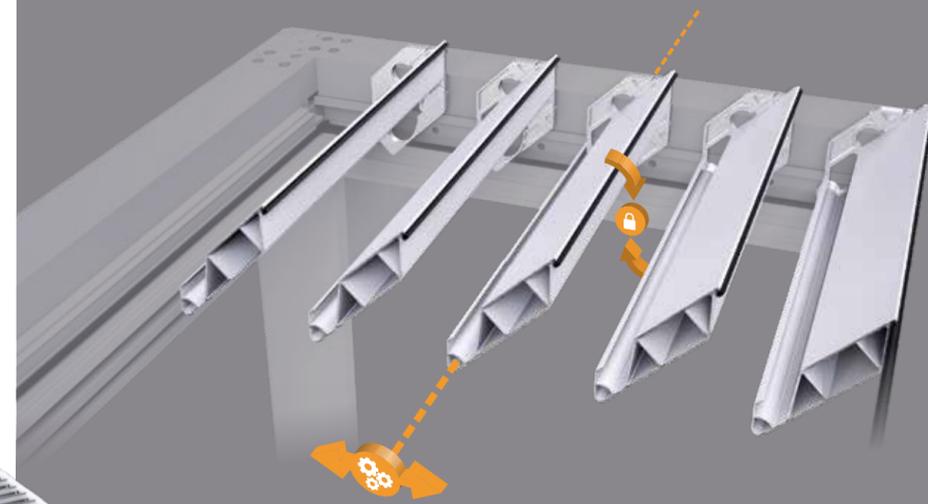
# SAHARA SIWAH BIOCLIMATIC

Sahara introduces to the market the new **Siwah bioclimatic pergola**, which allows you to enjoy your outdoor space any time of the year, come rain or shine. Awarded with the highest resistance classification possible, **Class 6, according to UNE EN 13561**, Siwah has the capacity to regulate the microclimate of the enclosed space, providing it with natural ventilation, thanks to a completely silent motorized system, that rotates the louvers through a **exclusive rotation system**.

The bioclimatic Siwah pergola offers a pleasant environment 365 days a year, with the minimum energy consumption. Even in case of rain, the protection is maximised, thanks to its specialised perimeter closure, preventing rain from entering inside the pergola. It also ensures a complete blocking of direct solar radiation and, when the slats are open at 45°/135°, it creates a **natural flow** that moves hot air upward and out.

Siwah matches perfectly with our **Qatif roller blinds**, that offers a number of different filtering options, ensuring added control over the environment, like filtering out mosquitoes and other insects, and even pollen and dust. Also with **Sahara Glass**.

In addition to the standard remote control, the **Sahara Control App** can be downloaded onto your Apple or Android smart device, that will allow you to control the roof and sides, for your own comfort and enjoyment.



## EXCLUSIVE LOUVER SYSTEM

**SIWAH** includes an exclusive spinning system. The louvers rotate around the strategic placement of two specialised bolts. One bolt at the bottom is fixed to the aluminium channel profile of the structure, whilst the other bolt at the top, fitted with a bearing, moves along with the transmission, causing the blade to rotate. When installing the blade, we set the wheel attached to the fixed bolt allowing the simultaneous, equal rotation of the entire set.

## RAIN AND WATER RESISTANT

The exclusive perimeter seal system is especially designed to prevent water from getting inside the pergola. A rubber gasket along the entire length of the gutter allows the entire width of the blade to be sealed off, preventing any water penetration when the system is closed in the horizontal position.

## FINISHES

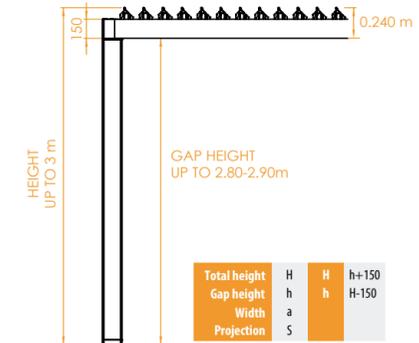
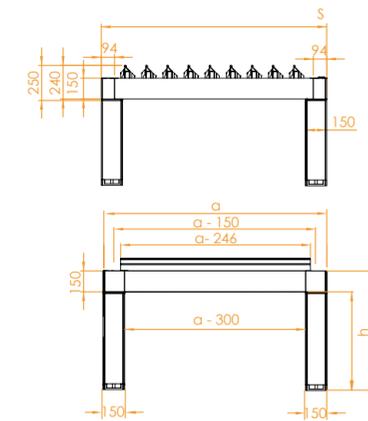
The coating used is certified Qualicoat class 2 (super durable)



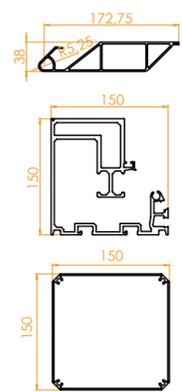
MORE FINISHES AVAILABLE ON REQUEST

## TECHNICAL DETAILS

### GENERAL DIMENSIONS



### PROFILES



### LOUVER CONFIGURATION

**0°** Maximum protection and sealing against wind, rain and solar radiation.



**45°** **135°**

45° and 135° positions facilitate the flow of rising air and regulates the passage of light through the louvers as needed.



**90°** In a 90°, or security position, the SIWAH pergola allows the passage of snow through the blades, avoiding its accumulation, also allowing sunlight to pass through.





WARRANTY  
**10**  
YEARS

A BRAND NEW **GENERATION** AWNINGS & PERGOLAS

by **nevaluz**

SAHARA  SIWAHBIOCLIMÁTICA

  
LASTING QUALITY  
UNALTERED ALUMINIUM