RENK
RENK ALÜMİNYUM KEPENK ve TENTE SİSTEMLERİ

UBESER
KEPENK, PANJUR ve TENTE MOTORLARI

Technical Data Sheet

Pergola System

GENERAL FEATURES

- Production must be in CE and TUV standards.
- It should have a wind resistance of up to 90 km per hour.
- Shrinkable fabric profile above the standards should be used. - By reducing the stretching of the profile thanks to the strong shrinkable fabric, maximum stretch should be achieved in the fabric.
- It should have a compact 32 speed motor box. - It is ensured that the system moves quickly.
- Ergonomic and stylish protection roof design should be done. - The life of the system should be extended by effectively protecting the fabric and engine parts against external conditions.
- Integrated lighting option should be used. - Lighting solution should be provided in large areas without the need for additional electrical installations
- The locking trolley assembly should reduce installation time and each trolley should be capable of carrying up to 150 kg.

TECHNICAL DETAILS

- All profiles and construction must be electrostatic powder oven dyed.
- The construction of the system must be aluminum
- The carrier beam size of the system should be 100 mm * 140 mm * 2.5 mm and its forward expansion should have a carrier feature of up to 9 meters.
- If two systems come side by side, 180 mm * 140 mm double rails should be placed in the middle of the two systems. In this way, it is healthier in terms of use and the isolation problem should be eliminated. The forward expansion of the system should have a carrier feature of up to 9 meters.
- The front strut dimension of the system should be 100 mm * 100 mm * 2.5 mm.
- The rear carrier scissors size, on which the system is mounted, should be aluminum material with dimensions of 100 mm * 150 mm * 2.5mm.
- Carrier construction of the system and fixing to the ground should be done with steel dowels.

FABRIC

- It should be 3-layer with black-out fabric and its weight should be 750 gr/m2.
- It should have the property of not reflecting light, not conducting flames and stretching equally.
- It should be waterproof, colorfast and guaranteed against tearing.
- The fabric should be used in various colors as flat or three-dimensional according to the customer's request.

AUTOMATION SYSTEMS

- The movement of the system should be provided by UBESER' brand tubular motor.
- The system should be implemented with a remote control as standard, it should also be applied with a button depending on the customer's request.

- Engine torque should be 120 Nm and speed should be 12-17 rpm.
- When the pergola awning is to be closed, the motor must provide the necessary stretch.

PERGOLA AWNING MECHANISM

- In the rail channels, a wheeled carriage that provides the movement of the fabric and can move left and right, which is only available in our company in the world, should be used. Thus, it should be ensured that the system works flawlessly.
- In the system, 160 mm * 150 mm front beam with self-rainspout should be used and rain water should be drained.
- The movement of the system should be provided with the Timing Tension System. (It should have a wire reinforced high strength timing belt made of stainless steel and it should be able to withstand up to 950 kg.)
- A wick system should be used in the system that prevents the rain and wind from leaking from the sides.
- All fasteners should be galvanized oven painted, bolts and pins should be stainless.
- Special manufacturing equipment should be used for connections in all sigma aluminum.
- The carrier system should be made with the determined rall code, depending on the customer's request.
- Black-out fabric should be according to the customer's request
- Power led profiles should be suitable for Black-out fabric color.
- System led profiles must be illuminated/non-illuminated. If it is illuminated, the light should be used as white or daylight according to the customer's request.
- The motor should be guaranteed for 2 years, the awning mechanism should be guaranteed for 2 years and the black-out fabric should be guaranteed for 5 years for manufacturing defects.