

TERRAROOF BİYOKLİMATİK SİSTEM

Rahatlık ve Ferahlık

Modern gölgelendirme çözümleri, güneşin zararlı etkilerini azaltarak dış mekânlarda daha uzun süre huzurlu vakit geçirmenize imkân tanır. Serin ve korunaklı alanlar, yaz sıcaklarında ferahlık sunarken yaşam alanlarınızı daha keyifli kılar.

Tasarım Katma Değeri

Pergola ve bioklimatik sistemler, mekânların estetik görünümünü güçlendirir ve prestij kazandırır. Şık ve yenilikçi tasarımlar, hem ev hem de ticari alanlarda dekoratif ve işlevsel bir katkı sağlar.

Sağlıklı Yaşam Avantajı

UV ışınlarına karşı koruma sağlayan gölgelendirme sistemleri, cilt sağlığını korur ve güneşin zararlı etkilerinden doğacak riskleri en aza indirir. Aynı zamanda mobilyalarınızın ve dekoratif eşyalarınızın ömrünü uzatır.

Enerji Tasarrufu ve Verimlilik

İç mekânlarda ısınmayı kontrol altına alarak klima ihtiyacını azaltır, kış aylarında ise güneş ışığını kullanarak doğal ısınmaya destek olur. Böylece hem enerji maliyetleri düşer hem de sürdürülebilir bir yaşam tarzına katkı sağlanır.

Dört Mevsim Kullanım

Hava koşullarına uyum sağlayabilen açılır kapanır yapılar sayesinde dış alanlar yılın her döneminde değerlendirilebilir. Güneşten, yağmurdan veya rüzgârdan korunarak her ortamda konforunuzu sürdürebilirsiniz.

Paylaşılan Yaşam Alanları

Geniş ve gölgeli alanlar, sevdiklerinizle buluşmalar ve sosyal aktiviteler için ideal ortamlar yaratır. Böylece hem bireysel yaşam alanları daha işlevsel hale gelir hem de topluluk ilişkileri güçlenir.



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TERRAROOF BIOCLIMATIC SYSTEM



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TERRAROOF

BIOCLIMATIC SYSTEM

Comfort and Freshness

Modern shading solutions reduce the harmful effects of the sun, allowing you to enjoy peaceful moments outdoors for longer. Cool and protected areas bring freshness during hot summers, making your living spaces more pleasant.

Design and Added Value

Pergola and bioclimatic systems enhance the visual appeal of spaces while adding prestige. Elegant and innovative designs provide both decorative and practical benefits for residential and commercial areas.

Healthy Living Benefit

By protecting against UV rays, shading systems safeguard your skin health and minimize risks from sun exposure. At the same time, they extend the lifespan of your furniture and outdoor accessories.

Energy Saving and Efficiency

They reduce the need for air conditioning by controlling indoor heat and support natural heating in winter through sunlight. This lowers energy costs and contributes to a sustainable lifestyle.

Year-Round Usability

With retractable structures that adapt to weather conditions, outdoor areas can be used in every season. Protection from sun, rain, or wind ensures continuous comfort in all environments.

Shared Living Spaces

Spacious shaded areas create ideal environments for gatherings and social events. This makes private spaces more functional while strengthening community connections.



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SİSTEM TEKNİK DETAYLARI

RAINWATER DRAINAGE SYSTEM

The bioclimatic systems are designed to collect rainwater. The water is directed from the panels to the gutters. The collected water is transferred to the outside through the vertical profile. To facilitate the discharge of rainwater, a notch process is applied to both the gutter profile and the vertical profile.



RAINWATER DRAINAGE SYSTEM

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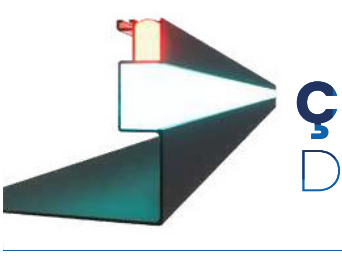
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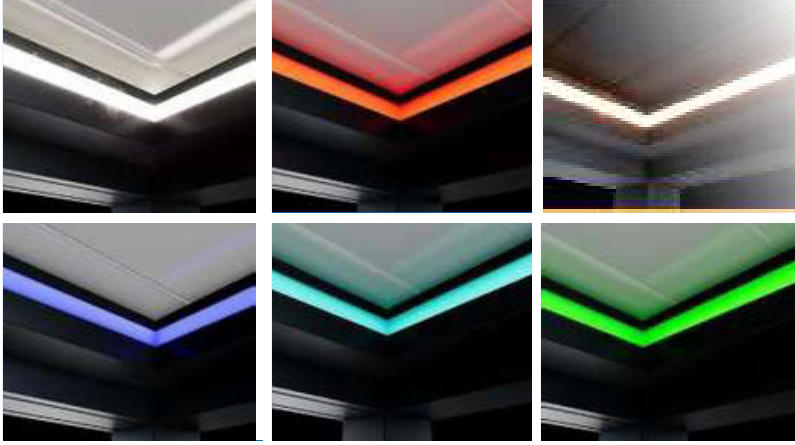
SYSTEM TECHNICAL DETAILS



SİSTEM TEKNİK DETAYLARI



Çift Yönlü Aydınlatma Different Color Modes



Bioklimatik pergolalar, Led teknolojili isteğe göre tek, çift ya da üç yönlü ambiance aydınlatma sistemine sahiptir. Modunuza göre aydınlatmayı siz seçersiniz. Sadece tavanı ya da mekanın tamamını aydınlatılabilir, RGB ledler ile modunuza göre aydınlatma renklerini ayarlayabilir ya da dimer ile istediğiniz ışık seviyesini ve parlaklığını ayarlayabilirsiniz. Tamamen sizin seçiminiz.

Bioclimatic pergolas have LED technology with single, double or three-way ambient lighting system. You choose the lighting according to your mood. You can light only the ceiling or the entire space, adjust the lighting colors according to your mood with RGB LEDs or adjust the desired light level and brightness with a dimmer. It's completely your choice.



Yalıtımlı Blade Paneller Insulated Blade Panels

Sistemin hareketli ve çift cidarlı çatı panellerinin içine, yalıtım dolgu malzemesi uygulanabilir. İsteğe bağlı olan bu seçenek sayesinde sistem, her türlü iklim koşullarına uygun hale gelir.

Insulation filling material can be applied inside the movable and double-skinned roof panels of the system. Thanks to this optional option, the system becomes suitable for all types of climatic conditions.

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SYSTEM TECHNICAL DETAILS



Kenar Nokta Eksenli Rotasyon

Bu özel rotasyon teknolojisi, entegrasyon, dayanıklılık, yalıtım ve yüksek basınçlı kapama fonksiyonlarını en etkili uygulamalarını sağlamaktadır.

Edge Point Axis Rotation

This special rotation technology ensures the most effective application of integration, durability, insulation and high-pressure sealing functions.



Estetik Görünümlü Su Tahliye Sistemi

Aesthetic Looking Water Drainage System



Özel Tasarım Çift Ray Sistemi ile 8.5 mt Kadar Açılım Sağlanmaktadır.

Specially Designed Double Rail System
Provides Opening of Up to 8.5m.

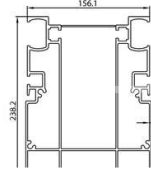
SİSTEM TEKNİK DETAYLARI



Ray
Rail

Product Code: 3739

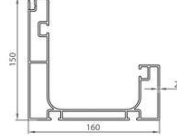
Weight kg/m: 11,763
(238 x 156 x 2,3mm)



Oluk
Gutter

Product Code: 3740

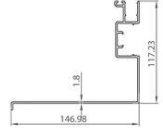
Weight kg/m: 4,575
(150 x 160 x 2,0mm)



Oluk Led Eki
Gutter Led Attachment

Product Code: 3736

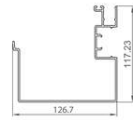
Weight kg/m: 1,950
(117 x 167 x 1,8mm)



Ray Oluğu
Rail Gutter

Product Code: 3735

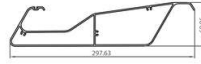
Weight kg/m: 2,162
(117 x 127 x 1,8mm)



PANEL
PANEL

Product Code: 3738

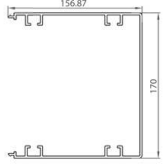
Weight kg/m: 4,400
(70 x 298 x 2mm)



Direk
Column

Product Code: 3737

Weight kg/m: 4,150
(170x 160 x 2,5mm)



Direk Kapağı
Column Cover

Product Code: 3733

Weight kg/m: 1,250
(170 x 10 x 2,5mm)



C Kanalı
C Channel

Product Code: 3731

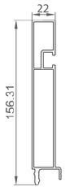
Weight kg/m: 1,900
(80 x 65 x 3,5mm)



Oluk Eki
Gutter Attachment

Product Code: 3734

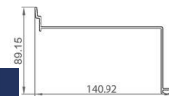
Weight kg/m: 1,900
(156 x 22 x 1,6mm)



Motor Kapağı
Motor Cover

Product Code: 3732

Weight kg/m: 1,300
(89 x 141 x 2,0mm)



Ray Eki
Rail Attachment

Product Code: 3730

Weight kg/m: 1,200
(161 x 29 x 1,8mm)



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SYSTEM TECHNICAL DETAILS

Wind Load Resistance Test

UNE-EN 13659: 2004 Class 6 // (approx. 112 km / h) not tested up to 190 km / h. No breakage was detected.

Snow Load Resistance Test

Standard EN-1999 EUROCODE 9 // 100 kg / m² (including its own weight) aluminum structures project

Rain Test

Standard UNE-EN 12056-3 // (0.031/s max) Fixed heavy rain approx. 108 l.m²/h (structures + famels)

Rainwater Drainage

Water is transferred from the grooves on the aluminium lamel profiles to the edge profiles, water is transfered to the feet there after.

Safety

Hidden drains and electrical lines.

Rüzgar Yüğü Dayanım Testi

UNE-EN 13659: 2004 Sınıf 6 // (yaklaşık 112 km/s) 190 km/s'ye kadar test edilmedi. Herhangi bir kırılma tespit edilmedi.

Kar Yüğü Dayanım Testi

EN-1999 EUROCODE 9 Standardı // 100 kg/m² (kendi ağırlığı dahil) alüminyum konstrüksiyon projeleri.

Yağmur Testi

UNE-EN 12056-3 Standardı // (0.03 l/s maksimum) Sabit yoğun yağmur, yaklaşık 108 l/m²/saat (konstrüksiyonlar + lameller).

Yağmur Suyu Tahliyesi

Su, alüminyum lamel profillerdeki oluklardan kenar profillere aktarılır, ardından ayaklara iletilir.

Güvenlik

Gizli drenajlar ve elektrik hatları.

SİSTEM TEKNİK DETAYLARI



Somfy Motor Bio 120 Nw
Somfy Engine Bio 120 Nw

Somfy Motor Rts 120 Nw
Somfy Engine Rts 120 Nw



Somfy Kumanda RTS 1 Kanallı
Somfy RTS 1 Channel Control

Somfy Kumanda RTS 5 Kanallı
Somfy RTS 5 Channel Control

Somfy Rts 16 Kanallı Kumanda Dijital
Somfy Rts 16 Channel Control Digital

SYSTEM TECHNICAL DETAILS



Cuppon Motor 120 Nw
Cuppon Engine 120 Nw

Mosel Motor R120 Nw
Mosel Engine R120 Nw



Mosel Motor Elektronik 120 Nw
Mosel Engine Electronic120 Nw



Mosel Kumanda 1 Kanallı
Mosel 1 Channel Control

Mosel Kumanda 5 Kanallı
Mosel 5 Channel Control

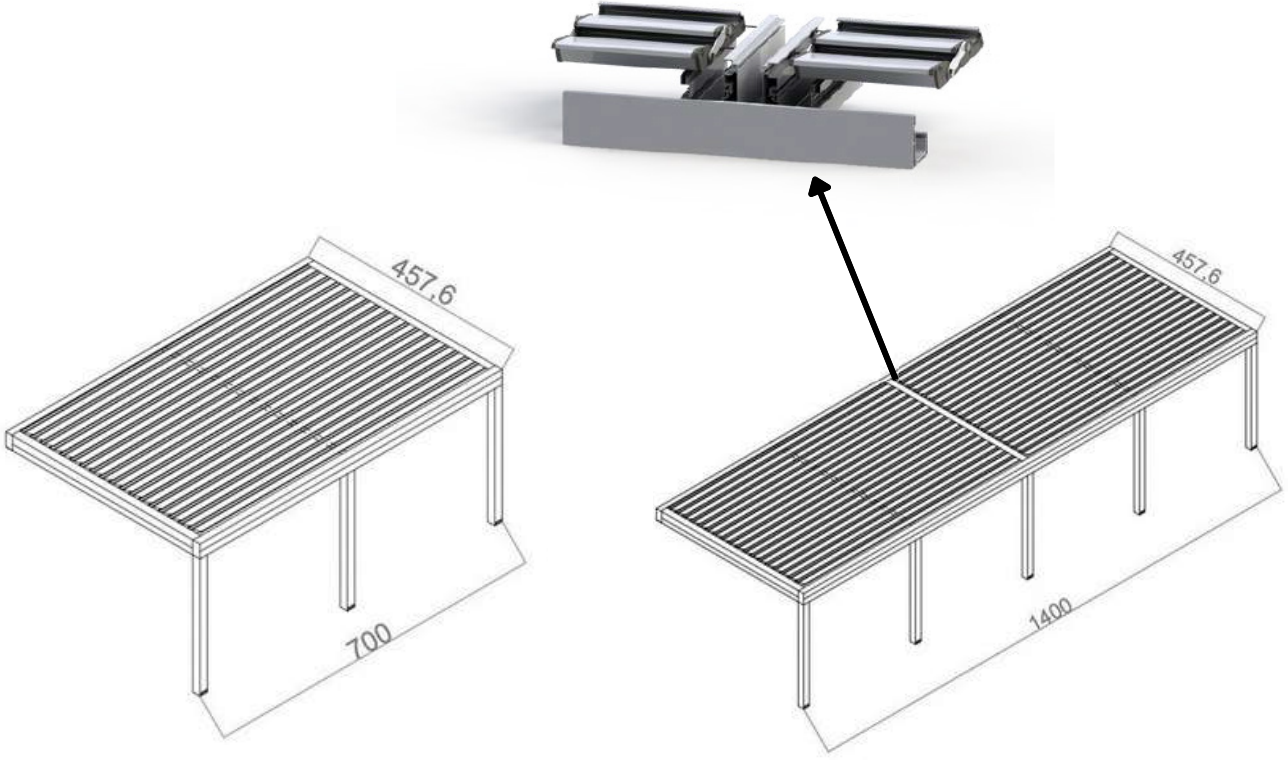
Mosel Kumanda 9 Kanallı
Mosel 9 Channel Control

Mosel Kumanda 16 Kanallı Dijital
Mosel 16 Channel Control Digital



Cuppon Kumanda 16 Kanallı Dijital
Cuppon 16 Channel Control Digital

MAKASLI BİOKLİMATİK STATİK SINIRLAR



TEKLİ SİSTEM SINGLE SYSTEM

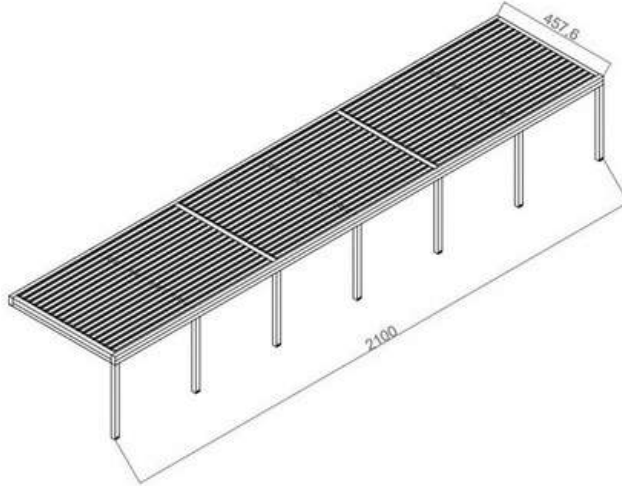
Cephe **Max. 700 cm**

Açılım **Max. 457,6 cm**

İKİLİ SİSTEM BINARY SYSTEM

Cephe **Max. 1400 cm**

Açılım **Max. 457,6 cm**



ÜÇLÜ SİSTEM TRIPLE SYSTEM

Cephe **Max. 2100 cm**

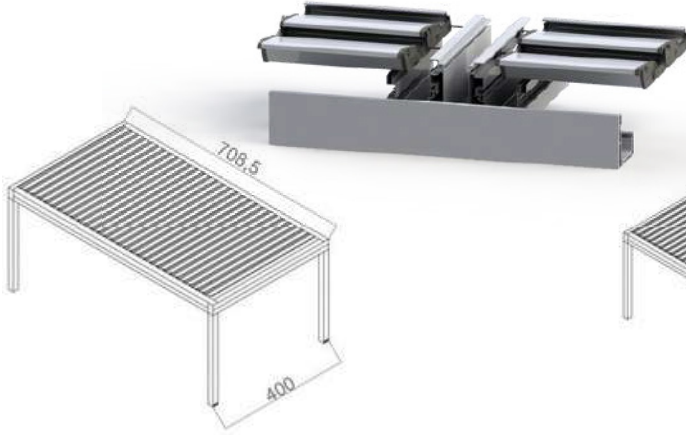
Açılım **Max. 457,6 cm**

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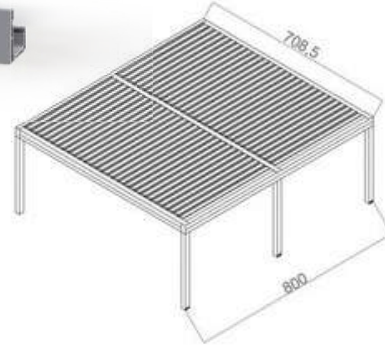
PİSTONLU BİOKLİMATİK STATİK SINIRLAR



TEKLİ SİSTEM SINGLE SYSTEM

Cephe **Max. 400 cm**

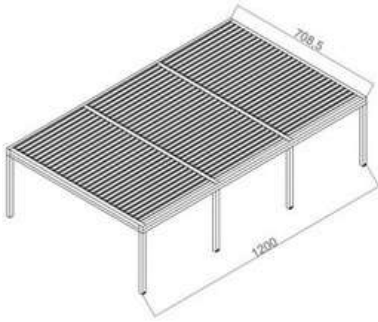
Açılım **Max. 708,5 cm**



İKİLİ SİSTEM BINARY SYSTEM

Cephe **Max. 800 cm**

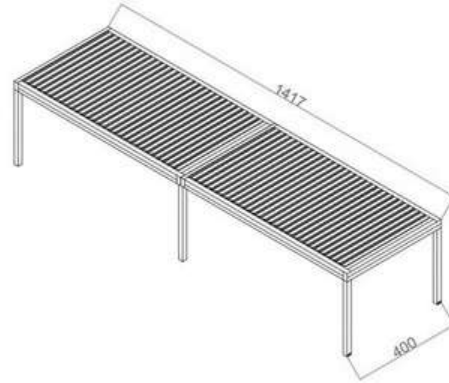
Açılım **Max. 708,5 cm**



ÜÇLÜ SİSTEM TRIPLE SYSTEM

Cephe **Max. 1200 cm**

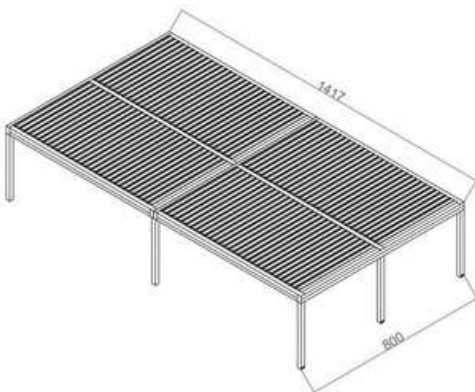
Açılım **Max. 708,5 cm**



İKİLİ SİSTEM BINARY SYSTEM

Cephe **Max. 400 cm**

Açılım **Max. 1417 cm**



DÖRTLÜ SİSTEM QUADRUPLE SYSTEM

Cephe **Max. 800 cm**

Açılım **Max. 1417cm**



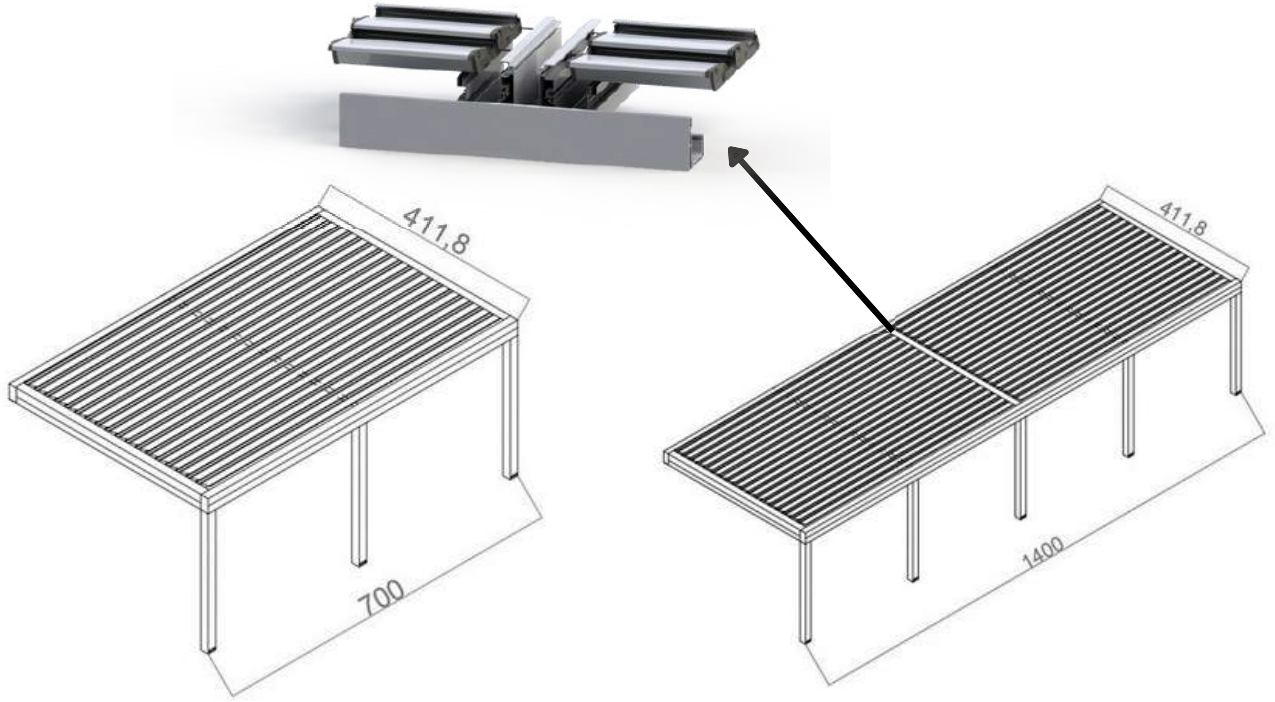
ALTILI SİSTEM SIX SYSTEM

Cephe **Max. 1200 cm**

Açılım **Max. 1417 cm**

SİSTEM

TEKNİK DETAYLARI



TEKLİ SİSTEM SINGLE SYSTEM

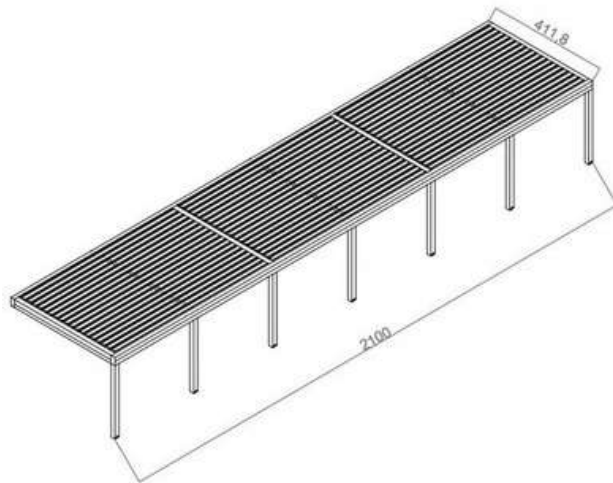
Cephe **Max. 700 cm**

Açılım **Max. 411,8 cm**

İKİLİ SİSTEM BINARY SYSTEM

Cephe **Max. 1400 cm**

Açılım **Max. 411,8 cm**



ÜÇLÜ SİSTEM TRIPLE SYSTEM

Cephe **Max. 2100 cm**

Açılım **Max. 411,8 cm**

**MAKASLI BIOKLİMATİK ÖN AÇILIM ÖLÇÜSÜ VE
PANEL SAYISI**

SCISSOR BIOCLIMATIC FRONT OPENING
DIMENSIONS AND NUMBER OF PANEL

5 PANEL	1495 mm	22 PANEL	5524 mm
6 PANEL	1732 mm	23 PANEL	5761 mm
7 PANEL	1969 mm	24 PANEL	5998 mm
8 PANEL	2206 mm	25 PANEL	6235 mm
9 PANEL	2443 mm	26 PANEL	6472 mm
10 PANEL	2680 mm	27 PANEL	6709 mm
11 PANEL	2917 mm	28 PANEL	6946 mm
12 PANEL	3154 mm	29 PANEL	7183 mm
13 PANEL	3391 mm	30 PANEL	7420 mm
14 PANEL	3628 mm	31 PANEL	7657 mm
15 PANEL	3865 mm	32 PANEL	7894 mm
16 PANEL	4102 mm	33 PANEL	8131 mm
17 PANEL	4339 mm	34 PANEL	8368 mm
18 PANEL	4576 mm	35 PANEL	8605 mm
19 PANEL	4813 mm		
20 PANEL	5050 mm		
21 PANEL	5287 mm		

SİSTEM

TEKNİK DETAYLARI

PİSTONLU BİOKLİMATİK ÖN AÇILIM ÖLÇÜSÜ VE PANEL SAYISI

PISTON BIOCLIMATIC FRONT OPENING
DIMENSIONS AND NUMBER OF PANEL

5 PANEL	1500 mm	22 PANEL	5480 mm
6 PANEL	1738 mm	23 PANEL	5715 mm
7 PANEL	1976 mm	24 PANEL	5950 mm
8 PANEL	2214 mm	25 PANEL	6185 mm
9 PANEL	2452 mm	26 PANEL	6420 mm
10 PANEL	2690 mm	27 PANEL	6615 mm
11 PANEL	2928 mm	28 PANEL	6850 mm
12 PANEL	3166 mm	29 PANEL	7085 mm
13 PANEL	3404 mm	30 PANEL	7320mm
14 PANEL	3642 mm	31 PANEL	7555 mm
15 PANEL	3880 mm	32 PANEL	7790 mm
16 PANEL	4118 mm	33 PANEL	8025 mm
17 PANEL	4356mm	34 PANEL	8260 mm
18 PANEL	4594 mm	35 PANEL	8495 mm
19 PANEL	4775 mm	36 PANEL	8730 mm
20 PANEL	5010 mm		
21 PANEL	5245 mm		