



ADRITEC
YOUR WAY

5 GREENHOUSES & HYDROPONICS



Greenhouses & Hydroponics

Greenhouses

5

5a1- Single Tunnel Greenhouse

5a2- Multi-tunnel Greenhouse

5a3- Net Shading



Greenhouse Tunnels are designed to withstand a wide scope of weather conditions such as wind, snow and high temperatures. The body is made of galvanized steel pipes as per international standards Z275. The width of a greenhouse tunnel ranges from 4.5m, 8.0m or 9.0 meters and does not exceed 61.5m in length, with a maximum 3.2 meters height. All metallic profiles and tubing are galvanized with 275 gr/m² zinc coating protection G90 through a continuous procedure to meet the quality requirements according to Sendizmir procedure. The pillars and doors are hot dipped galvanized. Available in a wide variety of heights and widths.

Single Tunnel Greenhouses		Model Code		
	Dimensions	5A1TUNNT0450	5A1TUNNT0800	5A1TUNNT0900
Length	mt.	40.0	61.5	56.5
Width		4.5	8.0	9.0
Height	mt.	2.5	3.0	3.2
Total Area	mt.2	180.0	492.0	508.5
Arches	No.	21	26	24
Arch Distance	mt.	2.0	2.5	2.5
Arches	Dia	32.0	60.0	60.0
	T	1.5	1.5	1.5
Purlins	Dia	32.0	32.0	32.0
	T	1.5	1.5	1.5
Wind Breakers	No.	4	6	6
	Dia	32.0	32.0	32.0
	T	1.5	1.5	1.5
Crop Support	Space	2.0	2.5	2.5
	Dia	27.0	27.0	32.0
	T	1.5	1.5	1.5
Entrance Doors	No.	2	4.0	4.0
	Dia	32.0	32.0	32.0
	T	1.5	1.5	1.5
Cover	Material	PE	PE	PE
	T Micron	200	200	200

* Plastic cover has UV stabilization 3-7% depending on service life required

* Arches and posts are connected with triangle type galvanized steel connectors

Single Tunnel Greenhouses with Cooling System		Model Code
	Dimensions	5A1MSSSTC900
Bays	No.	1.0
Length / Bay	mt.	39.0
Width / bay		9.0
Height	mt.	4.0
Total Area	mt.2	351.0
Upper Arches	Dia	60
	T	1.5
Side Post Dist.	mt.	2.5
Side Post	Dia	60.0
	T	2.0
Purlins	Dia	32.0
	T	1.5
	Space	2.5
Crop Support	Dia	32.0
	T	1.5
	No.	1
Entrance Sliding Doors	Width / m	2.0
	Height / m	2.0
Cover	Upper	PE or as required
	Sides	Fiberglass or Poly carbonate
Cooling Fan	No.	2.0
Carton Cooling Cells	Height / m	2.0
	Width / m	0.6
	Thick. / m	1.5

Multi span greenhouses is a group of tunnels interconnected to form a large undercover area where a typical bay length is 39 meters duplicated into several bays. A standard model has an area of 702 m² with the ability to be expanded by adding more bays. The body is made out of galvanized steel pipes as per international standards Z275. The height of the bay ranges from 4.0 to 4.2 meters. There are 2 to 3 doors per unit depending on the work requirements. Multi -span greenhouses come with different ventilation / cooling openings either in the roof, or a half moon opening at the front and back, or at the sides. It is also offered with a complete heating or cooling system. The climate can be controlled with a specially designed software in case of automatic climate control systems.



Multi Span Greenhouses		Model Code
	Size	5A2MSPMS0800
Bays	No.	As Req.
Length / Bay	mt.	40.0
Width / Bay		8.0
Height	mt.	4.5
Total Area	mt.2	320.0
Upper Arches	Dia	60
	T	1.5
Side Post Distance	mt.	2.0
Side Post Pipes	Dia	60.0
	T	2.0
Interior Post Distance	mt.	4.0
Interior Post	Dia	60.0
	T	2.0
Purlins	Dia	32.0
	T	1.5
Crop Support	Space	4.0
	Dia	32.0
	T	1.5
Entrance Sliding Doors	No.	1
	Width / m	2.8
	Height / m	2.0
Cover	Upper	PE
	Sides	Fiberglass or Poly Carbonate

Multi Span Greenhouses with Cooling System		Model Code	
	Size	5A2MSTSC0900	5A2MSMSC0800
Bays	No.	2.0	As Required
Length / Bay	mt.	39.0	39.0
Width / bay	mt.	9.0	9.0
Height	mt.	4.0	4.2
Total Area	mt.2	702.0	-
Upper Arches	Dia	60	60
	T	2.0	1.5
Side Post Distance	mt.	2.5	3.0
Side Post Pipes	Dia	60.0	60.0
	T	2.0	2.0
Interior Post Distance	mt.	4.0	4.0
Interior Post	Dia	60.0	60.0
	T	2.0	2.0
	Dia	32.0	32.0
Purlins	T	1.5	1.5
	Space	2.5	3.0
Crop Support	Dia	32.0	32.0
	T mm	1.5	1.5
	No.	1	1
Entrance Sliding Doors	Width / m	2.0	2.0
	Height / m	2.0	2.0
	Upper	PE or as required	PE or as required
Cover	Sides	Fiberglass or Poly Carbonate	Fiberglass or Poly Carbonate
	No.	1 - 2	1 / Bay
Carton Cooling Cells	Height / m	2.0	2.0
	Width / m	0.6	0.6
	Thick. / m	1.5	1.5



Shading nets are constructed to protect crops like citrus groves and banana plantations from severe weather changes mainly high winds, rain, or scorching heat. A network of galvanized tubes are mounted in different structures depending on the area of the farm, the type of crop, height required, and shading intensity. White plastic mesh with 50% shading is used to cover the farm or other types of shading covers depending on the crop and the prevailing weather conditions in the location of the farm. Construction of a shading net structure ensures a uniform growth of the fruit, a higher yield, and it helps protect the plantations from birds and insects. Pillars made of 2.5 inch galvanized pipes are fixed around the farm with spacing ranging from 3 to 6 meters depending on required design of the shade with 5 meters height while the internal pipes are with 6 - 8 meters height. Pipes are reticulated at top with 4 mm galvanized wires in such way to carry the net. The same type of net specifications is also installed on the sides.



Shading Net areas are specifically designed to suit a projects actual requirements, taking into consideration the location, crop type, weather conditions, and the purpose for which it is constructed. A wide range of designs are available with different specifications of the type of shading net that should be used.