











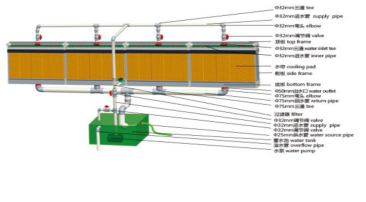





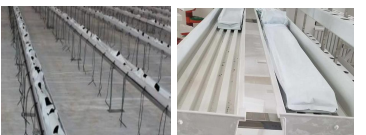

# Venlo Glass Greenhouse Quotation


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Project Site	Russia		
Greenhouse Usage	Tomato Growing		
Greenhouse Parameters	Wind load: 0.5KN/m <sup>2</sup> Snow load: 0.35KN/m <sup>2</sup> Drainage capacity: 140mm/h Environment temperature: -10°C~41°C Electrical parameters: 220V / 380V (± 5% 50HZ single-phase/three-phase)		
Span	8m/span * 21 span = 168m	Column Height	6.0m
Section	4m * 15 section = 60m	Top Height	6.9m
Greenhouse Area	168m*60m=10080m <sup>2</sup>		

## Quotation List

No.	Item	Specifications	Quantity	Unit	Unit Price (USD)	Amount (USD)	Sample Photo
1	Steel Structure	Embedded parts M18*550 Base plate 260*200*10mm Main column 140*60*5.0mm Truss 60*60*3.0mm, lined with 3# angle steel Wall beam 50*50*2.0 square pipes Aluminum alloy rain gutters and connectors Hot-dip galvanized sheet connector and class 8.8 high-strength bolt The above materials are hot-dip galvanized after the black tubes is processed, the thickness of zinc layer is more than 65μm Life time 20 years	10080.0	m <sup>2</sup>	14.944	150635.52	
2	Covering Material	The roof of the greenhouse is covered with 5mm international standard single-layer tempered glass. The transmittance is > 93% and the self-explosion rate is lower. The side of greenhouse is covered with 5mm international standard single-layer tempered glass	13192.0	m <sup>2</sup>	6.101	80484.39	
3	Covering Accessories	The glass is fixed with special aluminum profiles and sealing strips for greenhouses. The national standard "GB / T5237.1 ~ 5237.5-2000 aluminum alloy building profiles" is used to produce the main stressed components. The surface is anodized.	10080.0	m <sup>2</sup>	10.468	105517.44	
4	Roof Ventilation	Ventilation window on the roof is 2m * 1m in sizes for one window. Gear and rack motor drive. Insect nets are set in the vents	10080.0	m <sup>2</sup>	1.968	19837.44	
5	Inside Shading System	The inside shading net is made of aluminum foil braided mesh with shading rate of 75% and a heat preservation rate of 55%. Steel cable motor driven.	10080.0	m <sup>2</sup>	1.547	15593.76	
6	Cooling Fans	Size: 1380x1380x400mm Power: 1100 w Voltage: 380V, 50Hz, PH1 Air volume: 44000m <sup>3</sup> /h Noise 60 decibels Hot-dip galvanized steel frame, aluminum alloy fan blade	63.0	set	148.437	9351.53	

7	Circulation Fans	Fan diameter: 500mm Fan speed: 1400 rpm Air volume: 6300m <sup>3</sup> /h Stainless steel frame and fan blades	63.0	set	78.125	4921.88	
8	Cooling Pad	Cooling pad height 1.5 meters, thickness 15cm, and the number of 600mm width cooling pad paper is about 85. Using kraft paper as the raw material, basis weight 100g/m <sup>2</sup> , tensile strength 70N, thickness 0.18-0.20 mm, water absorption height 45mm / 10min, moisture 5-8% , Wet strength 18N	247.5	m <sup>2</sup>	23.437	5800.66	
9	Cooling Pad Circulation Pipeline	Cooling pad inlet pipe $\phi$ 32 water pipes, 3 meters per inlet, the water inlet is provided with water volume adjustment switch; cooling pad return pipe $\phi$ 75 water pipes, 2 meters per return pipe, pump 2.2kw Water storage tank is built by customer.	5.0	set	289.063	1445.32	
10	Cooling Pad Ventilation System	Behind the cooling pad, electric windows are installed to ensure the air circulation in the greenhouse, polycarbonate covering, gear and rack motor drive. Insect nets is set in the vent.	247.5	m <sup>2</sup>	23.437	5800.66	
11	Boiler	Gas-fired boiler, equipped with 1 set of 3 ton boiler, to ensure that the temperature in the greenhouse is not lower than 15 °C during extreme weather (-15 °C), including accessories such as circulating pipes and circulating pumps required by the boiler	1.0	set	23437.500	23437.50	
12	Greenhouse heating	75 * 3.0 hot-dip galvanized pipes for inlet and return pipes in the greenhouse. 450 * 500mm Round wing heaters (4 rows of copper pipes) are installed in the greenhouse. Heater is 0.5 meters from the ground. Welding of indoor heating pipes, matching elbows and other fittings	10080.0	m <sup>2</sup>	2.375	23940.00	
13	Fertigation System	Water & Fertilizer integrated machine, drip arrow irrigation system, PE irrigation pipes and accessories	10080.0	m <sup>2</sup>	0.938	9455.04	
14	Cultivation bag	The planting row distance is 1.6m and the plant spacing is 30cm. The size: 1000 * 200 * 140mm	6300.0	m	4.210	26523.00	
15	Cultivation gutter and bracket	Hot-dip galvanized steel bracket PVC planting gutter	6300.0	m	6.015	37894.50	
16	Plant hanging	Hooks, ropes and wires, required for plant hanging	10080.0	m <sup>2</sup>	0.586	5906.88	

17	Power Distribution (Control System)	One power distribution cabinet is set up in the greenhouse. The wires are copper core cables, with casing pipes, including the wires of all the equipment in the greenhouse. Electric control of shading, ventilation, cooling systems, etc.	10080.0	m <sup>2</sup>	0.540	5443.20	
18	Door	2m x 2.4m, glass door	2.0	set	521.875	1043.75	
19	<b>Totally EXW factory price</b>					<b>533,032</b>	

1. Quotation Valid time: 5 days

2. The materials and systems are listed separately, if there are any of them not needed, or systems to be added, please contact us to revise. After order confirmed, we will send you detailed materials & equipment list.

3. We quote EXW price firstly. After all the materials and equipment being confirmed, we will check and calculate the exact quantity and freight cost.

4. This quotation is only for the materials of the greenhouse, cost of installation not included. We will send installation drawings and instruction before customer receive the goods. If needed, we will send one engineer to guide the installation of the greenhouse. Customer needs pay engineer's Visa fee, accommodation, flight tickets and translator cost. Daily salary for the engineer is USD100.

5. Payment term: 30% prepayment, balance payment against detailed packing list and material pictures before shipment.

6. Delivery time: For above materials & equipment, within 40 days after receiving the prepayment.

7. We have 21 years greenhouse building experience, so we can always supply you good quality and professional design.