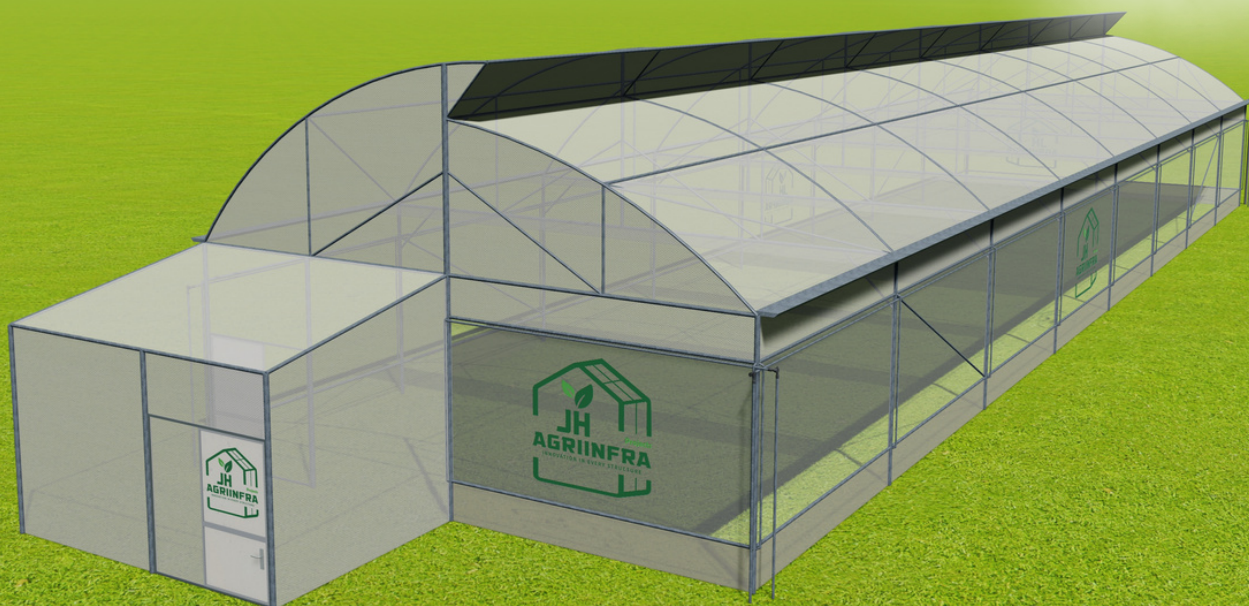




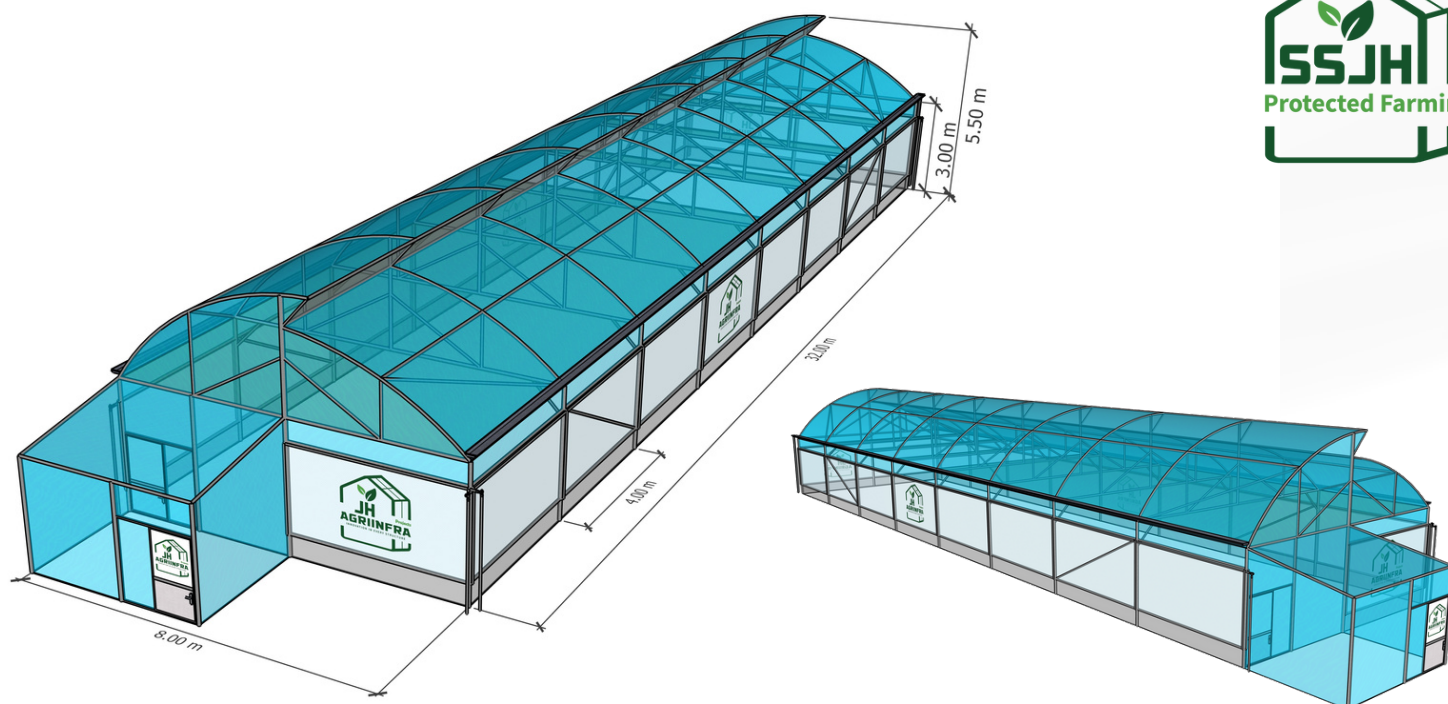
Naturally Ventilated Green House Tunnel

with Top and Side Vents

SSJH Protected Farming Proprietary Limited

Consulting, Design, Installation & Turnkey Services for
Greenhouse / Irrigation and Protected Farming Solutions

www.ssjhprotected.com



A Naturally Ventilated Greenhouse Tunnel is a cost-effective structure that uses natural airflow to control heat and humidity, helping small farmers grow healthier crops, save energy, increase production, and protect against climate risks.

Technical Specifications

Structure Frame : 250 to 300 GSM GI Coted Pipe (Round) (Hot Dip GI Pipes)

Thickness of GI Pipe/s (mm) : 2.00, 2.90

Span (m) x Bay (m) : 8.00 x 4.00

Centre (Top) Height (m) : 5.50

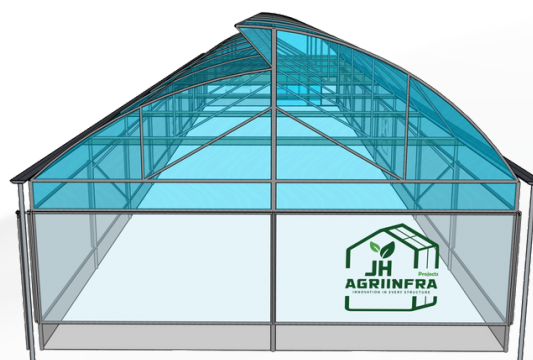
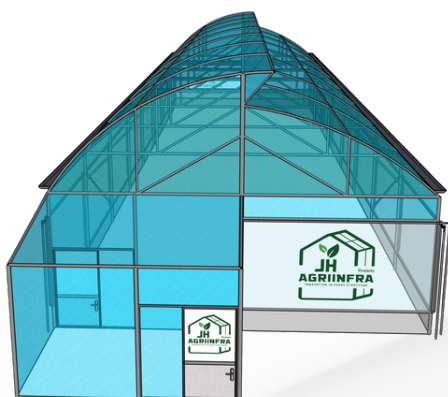
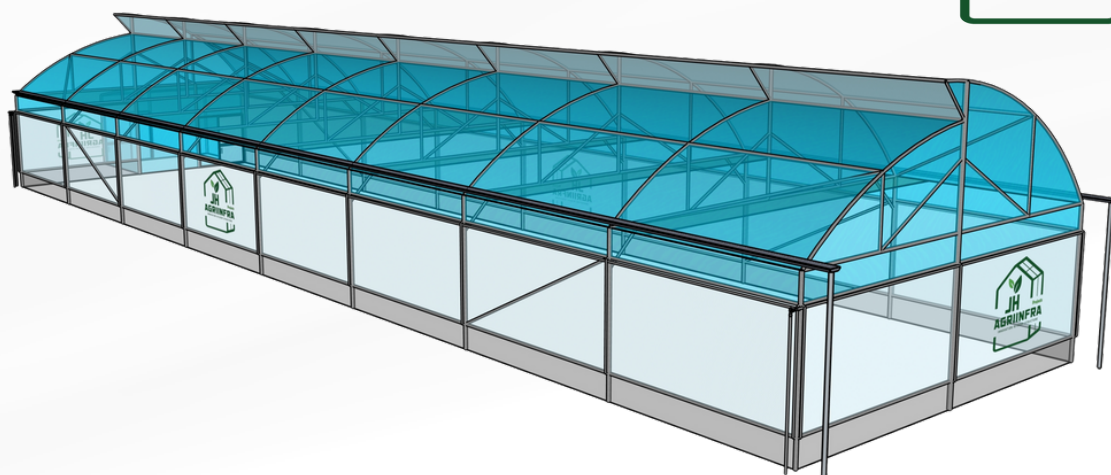
Side (Gutter) Height (m): 3.00

Top Vent Opening (m) : 0.90

Side Vent Opening (m) : 2.00

Trellising System Capacity (kg) : 25.00 kg/m²

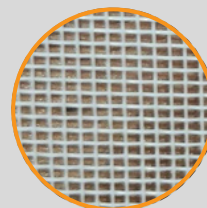
Rainwater Harvesting Feature : Yes



Top & Side Covering

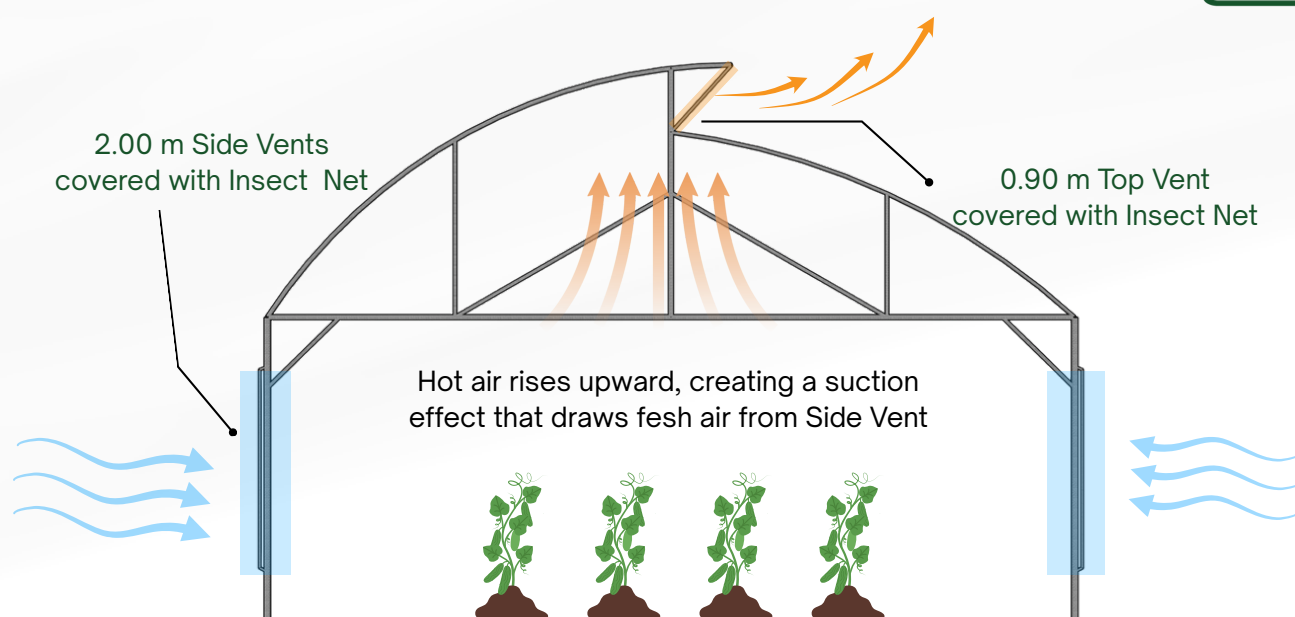


Poly Film 200 Micron, Anti-Drip, Anti-Fog, Anti-Dust, IR Cool, Diffused, Clear or Cool, UV & Agro Chemical Protected



Insect Net 30/40/50 Mesh, 90-120 GSM, White or Transparent or Green, UV & Agro Chemical Protected

Functioning of Natural Ventilation



NVGH Tunnel works by using natural ventilation principles such as the stack effect, where warm air rises and escapes through roof vents, while side vents allow cool, fresh air to enter, creating effective cross natural ventilation

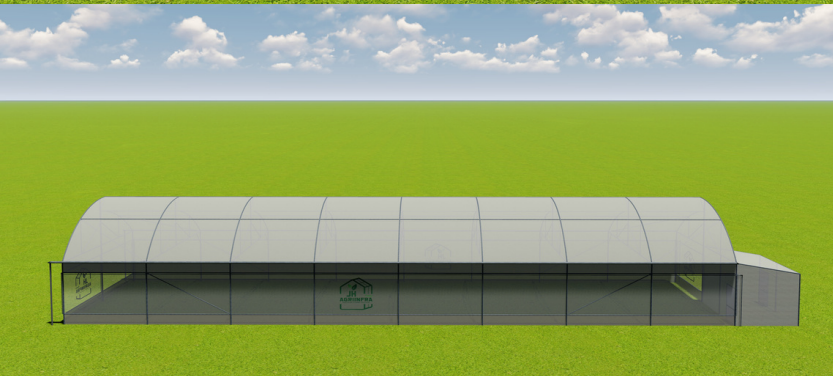
Benefits of a Naturally Ventilated Greenhouse

1. **Better Temperature Control** - Uses natural airflow to reduce heat buildup, keeping crops cooler during hot seasons.
2. **Improved Air Ventilation** - Continuous fresh air circulation removes humidity, pests, and stale air, promoting healthier plant growth.
3. **Energy Efficient** - Reduces or eliminates the need for electric fans and cooling systems, cutting down energy costs.
4. **Cost-Effective Operation** - Lower maintenance and running costs compared to fully climate-controlled greenhouses.
5. **Extended Growing Seasons** - Protects crops from extreme heat and moderate weather fluctuations, allowing for longer cultivation periods.
6. **Eco-Friendly Solution** - Utilizes natural forces (wind and thermal buoyancy) for ventilation, minimizing the carbon footprint.

Basic Drip Irrigation



- ✓ Inline lateral Pipe
16.00 mm x 2.00 LPH x 30.00 cm
- ✓ PVC Pipe - 50.00 mm with 6.00 KG
- ✓ Screen Filter - 120 Mesh/130 Micron
- ✓ Venturi for fertigation
- ✓ All PVC fittings and installation kit included



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