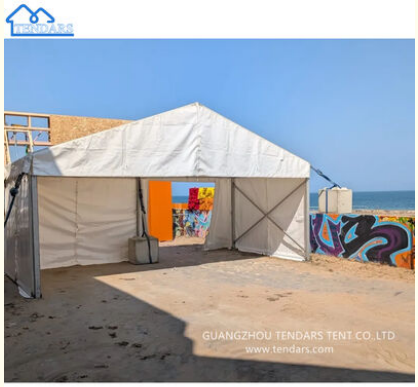


Curved Roof Expo Hall Exhibition Center Marquee Tent Column Free Clear Span Canopy System

Our Product Introduction

Basic Information

- Place of Origin: Guangdong, China
- Brand Name: Tendars
- Certification: ISO9001, SGS, COC, CE
- Model Number: TDS-CR30X80
- Minimum Order Quantity: 300 square meters
- Price: USD 48-66 / Square Meter
- Packaging Details: Curved beams in timber cradles per bay, fabric in numbered bags, gutters nested and wrapped, electrical kit in labelled crates
- Delivery Time: 25 days production after deposit and drawing approval. Sea freight time depends on your destination port. Installation time varies with the project and site access.
- Payment Terms: T/T 30% deposit, 60% before loading, 10% after structural check; L/C at sight
- Supply Ability: 50000 Square Meters per Month



Product Specification

- Span Width: 30m
- Length: 80m (16 Bays Of 5m)
- Eave Height: 5m
- Crown Height: 7.8m
- Floor Area: 2400 Square Meters
- Area Per Guest: 1.2 To 2 Sqm, 1200 To 2000 Visitors
- Main Frame: 259 X 113 X 5mm Curved Aluminium 6061/T6
- Base Plate: 350 X 350mm Hot Dip Galvanised Steel
- Gutter: 200mm Aluminium With 110mm Downpipes Per Bay
- Frontage Opening: 12m Wide By 6m High, Plus 2 X 3m Side Doors
- Wind Load: 0.5 KN/sqm
- Frame Life Span: 20+ Years
- Production Time: 25 Days

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Product Description

30m x 80m expo hall, column free

2400 sqm with 5m to the eave and a 12m frontage opening, so a truck mounted exhibit or a 9m boat comes in without taking the wall down.

Details

Sixteen bays, no internal column, and a 259 x 113 x 5mm curved beam that carries the roof load along the arc and into the eave instead of pushing down at a ridge. That is why the interior is so clean - no ridge beam, no cross bracing at eye level.
Area guide: 1.2 to 2 sqm per visitor. 2400 sqm holds 1200 to 2000 visitors, or about 160 booths at 12 sqm including aisles.
At 5m eave, standard 2.5m to 4m booth builds leave a metre of air above the tallest stand, which is what makes a hall read as uncluttered.

Size range and options

Span: 30m. Range 10m to 40m.
Length: 80m, any multiple of 5m.
Eave: 5m. 6m for a hall that hosts trucks or two storey stands.
Openings: 12m x 6m frontage, 16m with a truss over the door.
Extras: cassette floor, translucent crown strip, 200mm gutters, distribution boards, LED high bay grid, carpet.

Main components

Frame. 259 x 113 x 5mm curved aluminium 6061/T6, hot dip galvanised steel connectors and 350 x 350mm base plates. 20+ years.
Covers. 900gsm PVC roof to DIN 4102 B1, 650gsm walls. A translucent strip along the crown is popular on exhibition halls - free daylight with no heat gain in the aisles.
Drainage. 200mm aluminium gutter per long side with a 110mm downpipe each bay, sized for about 90 litres per second across the full 80m.

Specification

Item	Specification
Clear span / length	30m / 80m, 16 bays of 5m
Eave / crown	5.0m / 7.8m
Frame	259 x 113 x 5mm curved aluminium 6061/T6
Roof	900gsm PVC, translucent crown strip optional
Drainage	200mm gutter, 110mm downpipe per bay
Loads	Wind 0.5 kN/sqm, snow 0.4 kN/sqm
Frame life	20+ years

Anchoring and ground

At 30m the windward eave uplift is a real number, not a rule of thumb. On asphalt, expansion anchors at 1.2m spacing. On paving that cannot be drilled, 700kg of ballast per column - about 40 tonnes of blocks on site. Tell us the surface and the wind zone, and the anchor plan is calculated rather than copied.

Power for a show

Standard: main board at one gable, five sub boards down the hall one per three bays, 100mA RCD protection and 60 floor boxes on a 6m grid. A 2400 sqm show typically draws 120kW with lighting and HVAC. Internal cabling is ours; the incoming supply is a local electrician's job.

Production and installation

25 days production after deposit and structural approval, plus freight. Sixteen workers, about 17 working days.*Installation is quoted separately: labour, air tickets, visa, food and accommodation are paid by the buyer. Send us the site address and we confirm crew size, days and cost.*

FAQ

Can it be built on grass? Yes, with stakes and a load spread base. For a three week expo we recommend a compacted gravel pad - turf under 2400 sqm of structure turns to mud at the exits.
How is it heated? Indirect diesel or gas units outside the hall, ducted in at floor level. Allow 30kW per 200 sqm in a European winter.
Can we put two halls side by side? Yes, with a shared gutter line. Leave 1m between them for the downpipes.

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