

VOLO Dome 500

1



Technical Data

Floor Area:	5274 sq ft m ²
Diameter	82 ft
Ceiling Height	41 ft
Volume	144437 cubic ft

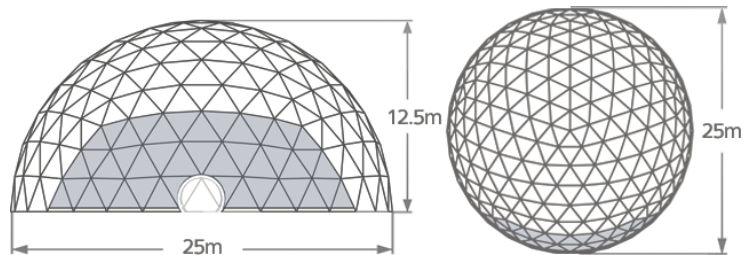
Membrane options

Transparent front (1): White, opaque PVC membrane with detachable, exchangeable clear, transparent front part, our most versatile solution
Blackout (2): White, opaque PVC membrane with detachable, exchangeable white, opaque front part, ideal for darkening out the interior
Transparent membrane (3): Completely transparent PVC cover, ideal for night events, giving you the possibility to create magical light effects
Branded membrane (4): Fully color printed membrane or printed detachable front part, ideal to put your brand's message across
Open dome (5): unique 2-in-1 solution that combines the classic dome shape with a completely innovative mobile stage system
* Opaque PVC membranes can be replaced with non-opaque, single layer cover, perfect for creative lighting effects visible from the outside

Membrane options



Dimensions



Membrane material specification

Surface area:	982 m ² (total) / 108 m ² (front part only)
Membrane material:	PVC Coated Polyester Fabrics
Thickness:	650 g/m ² (non-opaque) 800 g/m ² (opaque)
Certifications:	Class B1 and M2 of fire resistance according to DIN 4102

Safety

Windloads	0.5 (dynamic pressure q = kN/m ²)
Dynamic pressure	11 Beaufort / violent storm
Extra load allowed	3306 - 4410 lbs (suspended load)
Extra load points	Min.: 16 / Max.: 50

Steel framework

Structure material	Steel S235JR
Structure finish	Hot-dip, double sided galvanized, powder coated white (other RAL colors available)
Strut details	555 struts / 48 mm diameter / 3.0 mm strut's wall thickness
Strut length	2438 min. - 3249 max.
Connecting bolts	M20 zinc-coated bolts
Structure feet number	30

Load parameters

Steel framework	16530 lbs / 7x 3.5 x 0.9 x 0.9 m
Membrane	2360 lbs / 6x 1.3 x 1.0 x 0.45 m

Assembly / Dismantle

Assembly time	26 hours / 12 persons crew
Dismantle time	20 hours / 12 persons crew
Equipment required	80t crane

Entrances / Doors / Openings

Number of entrances	1 (up to 3 optionally)
Width of circular entrance	6 ft (at floor level) / 11 ft (at the center)
Height of circular entrance	8 ft
Membrane door:	3x PVC membrane zip door (white or transparent)
Aluminum-glass door:	Optional double wing aluminum-glass door with anti-panic system and safe glass.
Aluminum-glass door entrance dimensions:	Height: 6'5" ft / Width: 6'5" ft
Ventilation	5 ventilation openings at the top AC / Heating opening available on request
Windows	Circular or triangular transparent membrane windows available on request

All sizes, weights and volumes listed in this table are rounded approximations and may deviate due to varying materials or production processes.

All the information in this table refers to our standard configuration and materials. Please contact us if you have queries about dome customization (material types & colors, interconnected structures, flooring, interior accessories, air conditioning, branding, etc..)



VOLO Events Agency, LLC

1 Glenlake Pkwy NE #700,
Atlanta, GA 30328

Phone: +1 404 495 7700

info@voloevents.com
www.voloevents.com