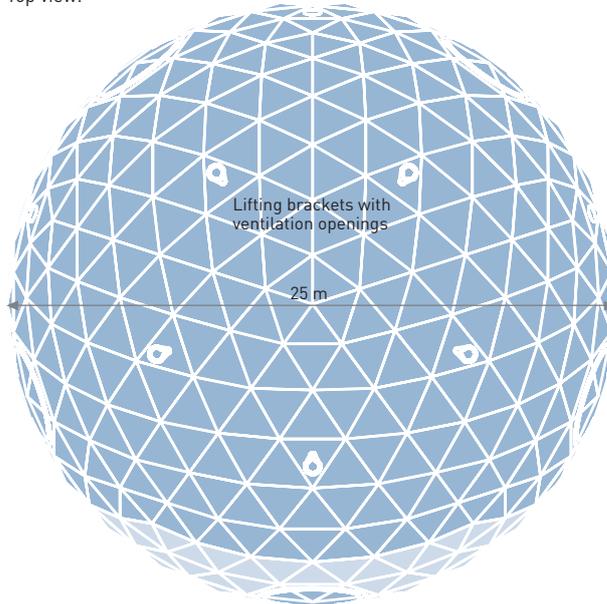




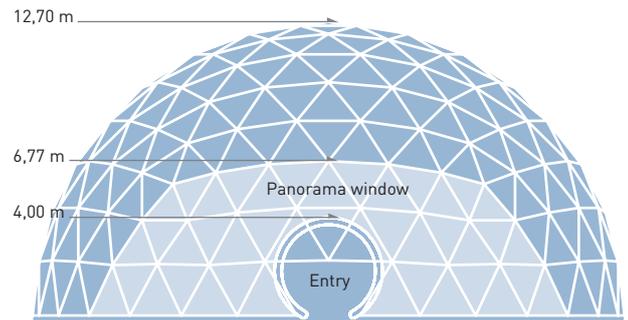
ZENDOME.500

Five hundred exclusive square meters for all who want to place their conference, their live concert or their gala in a much larger context.

Top view:



Front view:



TECHNICAL DATA

Diameter	25 m
Height	12,70 m
Exhibition Space	491 m ²
Membrane Surface	980 m ²
Volume	4.090 m ³

ENTRANCE SETTINGS

Entry	1 / optional 5
Width	1,78 m
Width (Membrane-circular entry, measured at the centre)	3,96 m
Height of the entry	2,25 m
Membrane-entrance	1 / optional 5
Door system (optional):	5
Height of entrance with door	2,10 m
Width of entrance with door	0,89 + 0,89 m / 1,25 + 0,53 m
Door-wings	2

WINDOW SETTINGS:

Round windows	3
Round windows (transparent or white)	3
Top round windows (ventilation openings)	5
AC-openings	3
Height of panorama window	6,77 m

MATERIAL & DETAILS

Number of different struts / poles	9
Min. length of struts	1.943 mm
Max. length of struts	2.619 mm
Diameter of struts	48,3 mm
Material thickness	3 mm
Number of structure feet	30
Membrane material	PVC Coated Polyester Fabrics

SAFETY:

Windloads (dynamic pressure q = kN/m ² according to DIN 4112)	0,8
Dynamic pressure is about (Beaufort)	12 / violent storm
Extra loads	1.050 - 1.275 kg
Number of extra loads contact points	21 - 51

LOAD PARAMETERS

Structure	2.690 kg
Structure feet	240 kg
Membrane	1.000 kg
Circular doorway	70 kg
Door	97 kg
Complete	4.097 kg

LOGISTIC AND STORAGE SYSTEM

Total weight with transport stanchions	5.357 kg
Loading meters	8 m
Number of transport stanchions of frame system, stackable	5 + 2
Loading weight of transport stanchion of frame system	3.700 kg
Tare weight of transport stanchion of frame system	120 + 50 kg
Transport stanchion of frame system (L x W x H)	2,37 x 0,87 x 1,14 m / 1,39 x 0,87 x 0,85 m
Number of membrane boxes, stackable	2
Loading weight of membrane box	1.500 kg
Tare weight of membrane box	250 kg
Membrane box (L x W x H)	2,32 x 2,32 x 1,14 m
Number of doors per transport box	1
Loading weight of transport box of door	157 kg
Tare weight of transport box of door	60 kg
Transport box of door (L x W x H)	2,35 x 2,00 x 0,35 m

CONSTRUCTION / DECONSTRUCTION

Construction time	16 - 22 h
Deconstruction time	8 - 10 h
Team size (pax)	8 - 10
Coaching (days)	3
Mobile Crane, Height / Boom	at least 30 m / 20 m

ZENDOME PLUG-IN

Ring nut inner diameter	2,5 cm
Number of plug-in use of half load (25 kg)	51
Number of plug-in use of full load (50 kg)	21

NOTES:

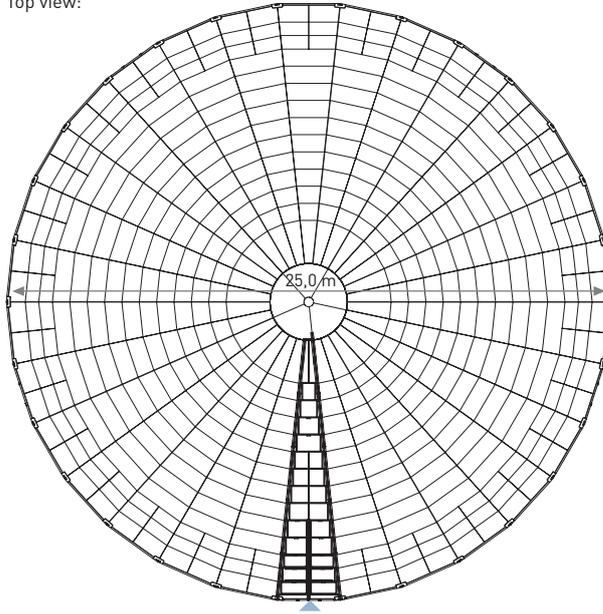
- The construction time is timed with an experienced team. For first construction calculate double the time
- Anchoring according to static calculations (earth anchors, heavy-load floor-system or loads) necessary.
- All sizes, weights and volumes listed in this table are rounded approximations and may deviate due to varying materials or production processes.



ZENDOME.300M / FLOORSYSTEM

The ZENDOME.floorsystem, developed as a heavy-load floor is constructed using almost no screws. This is tidy, very chic and saves time.

Top view:



SPACE

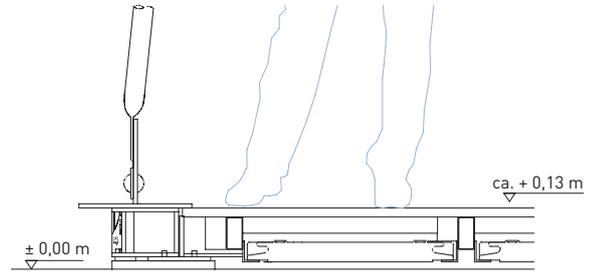
Diameter floor-system	25 m
Height floor-system (without underpinning)	0,13 m
Length of ramps	3,2 m

MATERIAL & DETAILS

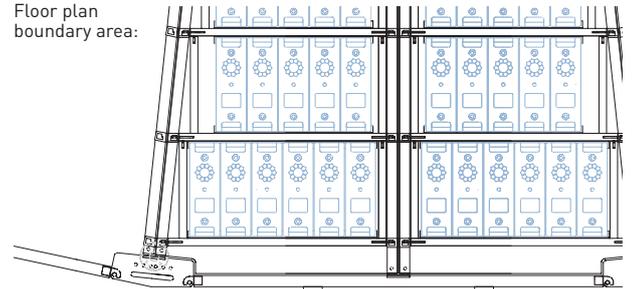
Substructure	Steel galvanised
Ground plates	Multiplex, 21 mm, sealed edges
Number of segments	30
Number of ground boxes	570
Middle circle	six pieces
Number of radial beams	210
Number of outer beams	30
Number of foot boxes	30
Number of base discs / points of support	250

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Section boundary area:



Floor plan boundary area:



LOADING PARAMETER

Weight of heavy-load floor-system	21.400 kg
Total weight of packed heavy-load floor-system	24.532 kg
Loading meter of heavy-load floor-system	19 m
Number of transport stanchions, stackable	29
Transport stanchion (L x W x H)	2,28 x 1,22 x 1,14 m
Tare weight of transport stanchion	108 kg
Necessary additional loads (DIN 4112)	720 x 25 kg
Total weight of heavy-load floor-system w. add. loads	39.400 kg
Number of possible ramps	1 - 5

ASSEMBLING & DISMANTLING

Assembling time	8 - 10 h
Dismantling time	7 - 9 h
Team size (pax)	8 - 10

NOTES:

- The construction time refers to an experienced team. For first construction you need to calculate a longer construction time.
- In order to unload the transport rack a fork lift with min. 1500 kg load capacity is required.
- Maximum windload according to DIN 4112. According to the location and local building laws additional weights to secure system may be needed.
- Presented drawings are to express system and deviate in reality. All sizes, weights and volumes listed in this table are rounded approximations and may deviate due to varying materials or production processes.



ZENDOME.500 / DOORWAY

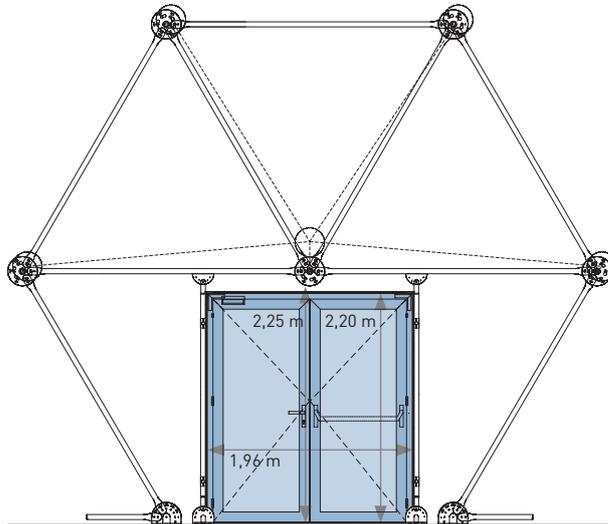
Safety and quality for high class events: All ZENDOME.doors are equipped with push-bar solutions and flexible door closing applications.

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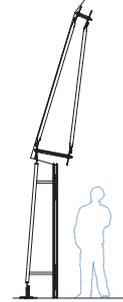
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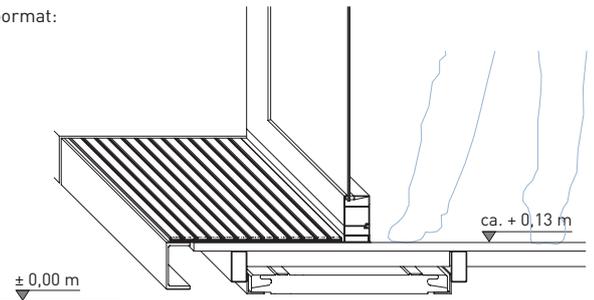
Front view:



Side view:



Doormat:



ENTRANCE SETTINGS

Entry	1 (5)
Width, measured at floor-level	2,40 m
Width, measured at the centre	3,86 m
Height of the entry	2,25 m
Membrane-entrance	1 (5)

DOOR SYSTEM (OPTIONAL)

Height of entrance with door	2,10 m
Width of entrance with door	1,25 + 0,53 m / 0,89 + 0,89 m
Width (with door, measured at floor-level)	1,78 m
Door-wings	2

MATERIAL & DETAILS

Entry	Steel and stainless steel, powder-coated
Vertical and horizontal poles	Stainless steel, powder-coated
Door profiles	Aluminium
Door filling	Makrolon® clear / white
Door closer	yes
Push bar	yes
Doormat, attachment for connecting door to floor panel	1,97 x 0,53 m

LOAD PARAMETERS

Weight door	97 kg
Measurements transport box door (one door)	2,35 x 2,01 x 0,35 m
Weight / volume transport box door (one door)	60 kg / 1,65 m³
Total weight / volume	157 kg / 1,65 m³
Weight circular entry	70 kg
Loading	On strut stanchions

NOTES:

- Presented drawings are to express system and deviate in reality. All sizes, weights and volumes listed in this table are rounded approximations and may deviate due to varying materials or production processes.