

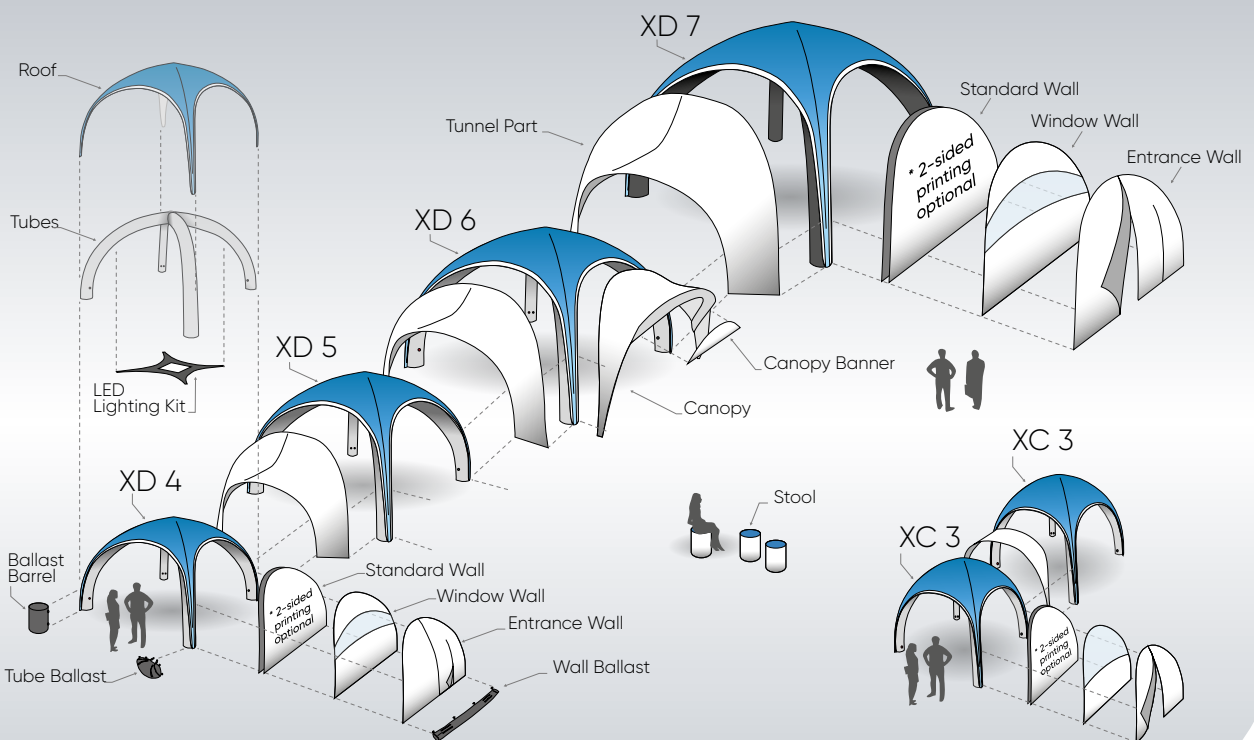


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ENGLISH



WIND RESISTANCE CERTIFICATE



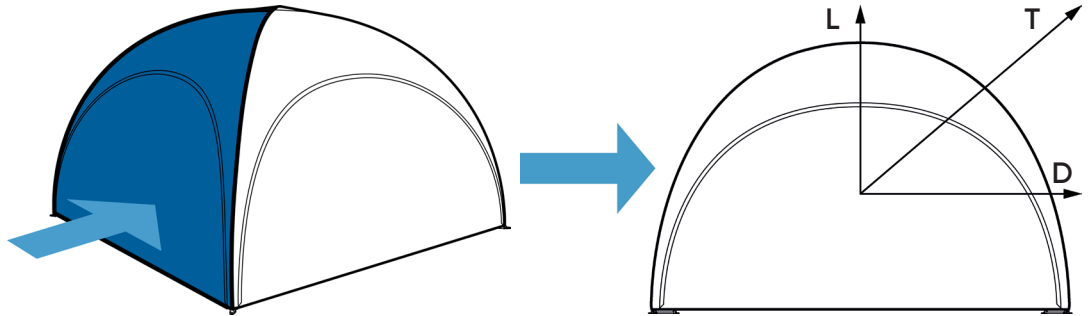
WIND RESISTANCE CERTIFICATE

FORCES

BASIS: - Wind Speed: 1 m/s = 3.6 km/h
- Density of the flowing medium: 1.224 kg/m³

- Drag Coefficient: 1 (Safety factor of 1.2; estimated actual drag coefficient of 0.6)
- Friction of Ballast Barrel and ground: 1 [material: rubber-to-asphalt]

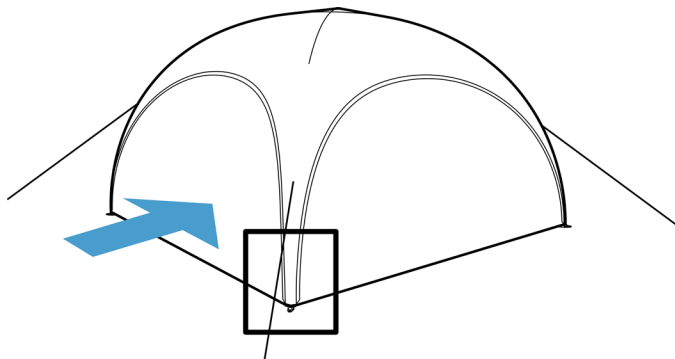
Size	Surface Area with Side Wall
XC 3	5,4m ² (58ft ²)
XD 4	8,5m ² (91.5ft ²)
XD 5	13m ² (139.9ft ²)
XD 6	19m ² (204.5ft ²)
XD 7	26m ² (279.8ft ²)



Size	Drag (D) [daN]			Lift (L) [daN]			Total Force (T) [daN]		
	30 km/h wind speed (18.7 mph)	40 km/h wind speed (25 mph)	60 km/h wind speed (37.3 mph)	30 km/h wind speed (18.7 mph)	40 km/h wind speed (25 mph)	60 km/h wind speed (37.3 mph)	30 km/h wind speed (18.7 mph)	40 km/h wind speed (25 mph)	60 km/h wind speed (37.3 mph)
XC 3	22,8	40,5	91,3	11,4	20,3	45,7	25,5	45,3	
XD 4	24,2	51,7	115,0	11,3	39,6	60,8	35,5	68,0	175,8
XD 5	37,0	79,1	175,9	17,6	42,0	195,0	54,7	121,2	271,0
XD 6	54,1	115,6	257,1	25,4	60,6	136,8	79,6	176,2	305,7
XD 7	74,1	158,3	351,9	34,6	82,4	186,2	108,7	240,0	



BALLAST RECOMMENDATIONS

Below are shown the weights necessary to secure one tube on your X GLOO tent during high winds. At a minimum, this weight should be used on all tubes facing into the wind. However, in order to achieve the most security and stability we strongly recommend that you secure all four tubes on your X GLOO tent.



Matrix Size	Weight Per Tube		
	30 km/h wind speed (18.7 mph)	40 km/h wind speed (25 mph)	60 km/h wind speed (37.3 mph)
XC 3	13 kg (28lbs)	23 kg (49lbs)	
XD 4	18 kg (39lbs)	34 kg (75lbs)	89 kg (196lbs)
XD 5	27 kg (59lbs)	60 kg (132lbs)	135 kg (297lbs)
XD 6	40 kg (88lbs)	88 kg (194lbs)	153 kg (337lbs)
XD 7	54 kg (119lbs)	120kg (264lbs)	

Size	X GLOO Ballast System(s) per Tube		
	30 km/h wind speed (18.7 mph)	40 km/h wind speed (25 mph)	60 km/h wind speed (37.3 mph)
XC 3	1x Tube Ballast	1x Tube Ballasts	
XD 4	1x Tube Ballast	2x Tube Ballasts	1x Ballast Barrel
XD 5	1x Tube Ballast	2x Tube Ballasts	2x Ballast Barrels
XD 6	2x Tube Ballasts	1x Ballast Barrel	2x Ballast Barrels
XD 7	1x Ballast Barrel	2x Ballast Barrels	

 	XL Displays Ltd XL Displays Ltd, 38-39 Manasty Road, Orton Southgate, Peterborough, PE2 6UP Ballast recommendations for X GLOO tents based on anticipated wind speed and direction. User note: These recommendations are valid only in cases where the XGLOO tent is properly set up and anchored. Improper setup of the X GLOO tent can also result in damage to the tent and possible injury to people in the surrounding area.
	Approval: <i>J. A. Newburn</i>
	Date: 18.11.2018