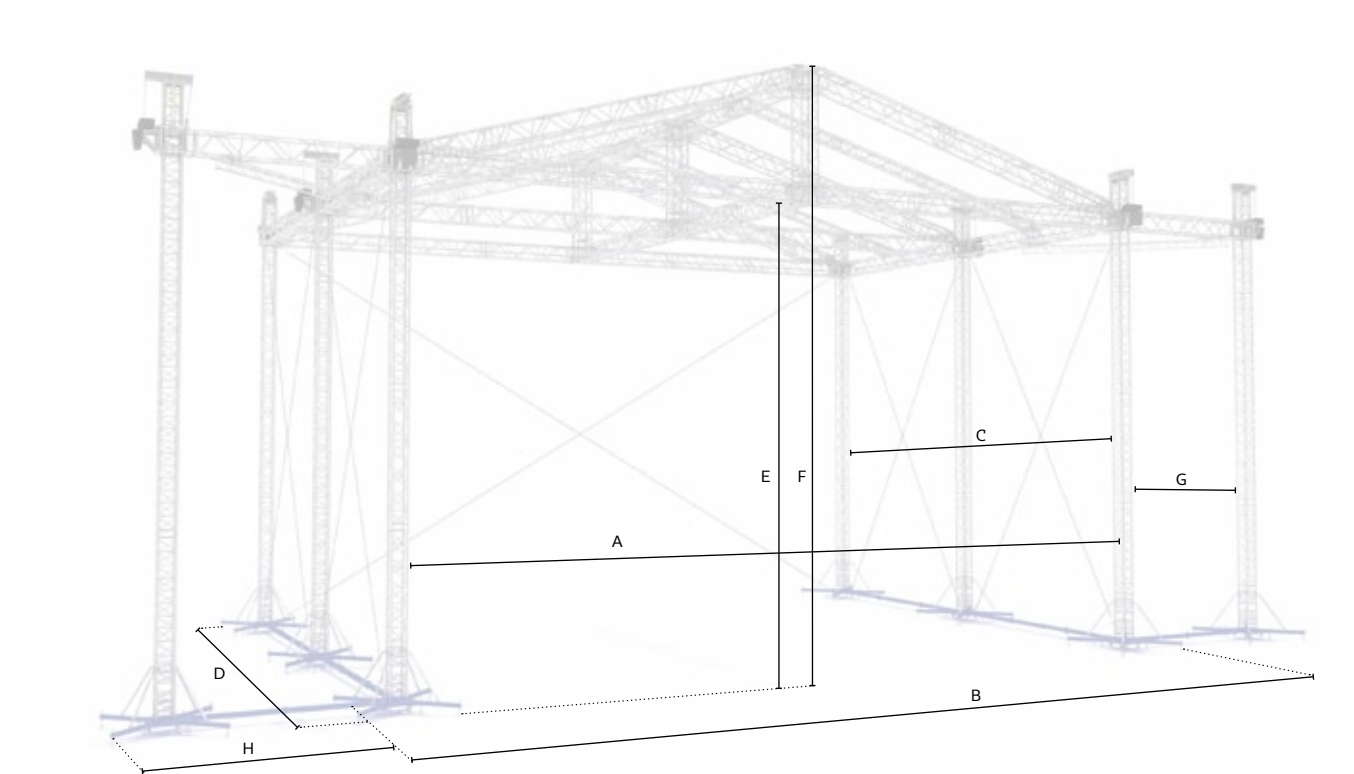


MR3 saddle roofs

- MR3 Saddle Roof structure for temporary events
- MT2 self-climbing towers up to 12.5 m high (41.01 ft) with M520 main grid
- Various standard sizes and optional front cantilever available
- Fast connection for quick, simple and secure assembly
- Supplied complete with internal wind bracing wires & connection accessories
- Full structural calculation report & build manual available
- PVC roof colour and side wall options
- Integrated tower base / stage components available
- PA wing options available on request

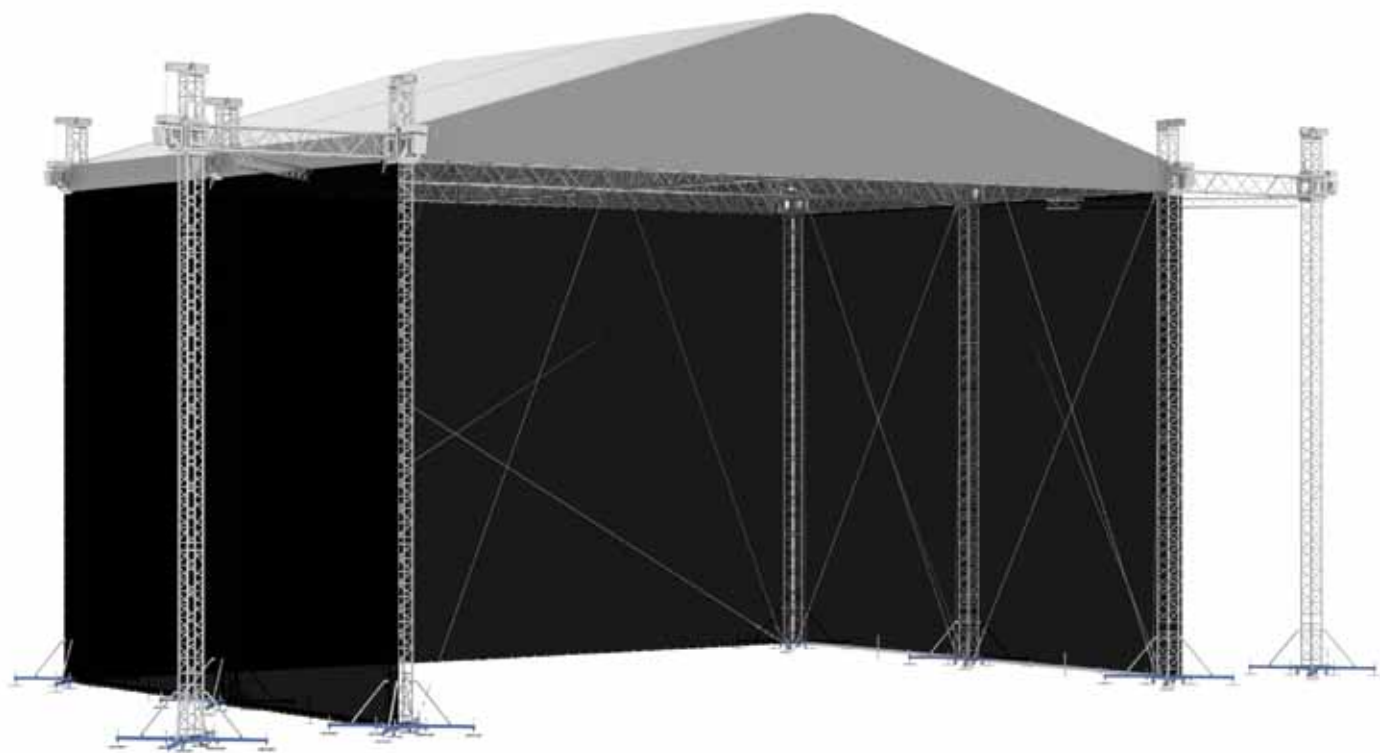


Technical specifications

		Stage size ›	20x14 m (65.62x45.93 ft)	18x14 m (59.06x45.93 ft)	
Dimensions	A	Internal width	20.53 m (67.34 ft)	18.53 m (60.79 ft)	
	B	Overall external width	23.15 m (75.95 ft)	21.15 m (69.39 ft)	
	C	Internal depth	14.80 m (48.56 ft)	14.80 m (48.56 ft)	
	D	Overall external depth	16.65 m (54.63 ft)	16.65 m (54.63 ft)	
	E	Clearance	11.50 m (37.73 ft)	11.50 m (37.73 ft)	
	F	Overall height	15.02 m (49.28 ft)	15.02 m (49.28 ft)	
	G	PA wing - internal width	4.31 m (14.14 ft)	4.31 m (14.14 ft)	
	H	PA wing - overall external width	4.71 m (15.45 ft)	4.71 m (15.45 ft)	

Loading capacity

		Stage size ›	20x14 m (65.62x45.93 ft)	18x14 m (59.06x45.93 ft)	
Loading capacity	Main grid	Uniformly distributed (UDL)	7420 kg (16344 lbs)	7791 kg (17161 lbs)	
		Point loads	7500 kg (16520 lbs)	7875 kg (17346 lbs)	
	PA wing	Central Point load (CPL)	1500 kg (3304 lbs)	1500 kg (3304 lbs)	
	* See structural report for exact load positioning				



Operational Specifications

Design standards	<p>DIN EN 13814 (2005)</p> <p>DIN 1055-4</p> <p>DIN 4113</p> <p>DIN 18800</p> <p>• All of our structures are produced under EN 1090 EXC2 as standard and include the necessary guy wires, instruction manual and engineering report</p>	<p>Fairground and amusement park machinery and structures</p> <p>Actions on structures / wind</p> <p>Design of aluminium structures</p> <p>Design of steel structures</p>
Wind management	<p>In service</p> <p>17.8m/s - 64km/h - 40mph (Max. gust wind speed)</p> <p>* Calculations based on 100% closed side canopies</p> <p>* Side canopies to be removed above this wind speed if not considered</p> <p>Out of service</p> <p>27.5m/s - 100km/h - 62mph (Max. gust wind speed)</p> <p>Training recommended</p>	
Ballast	<p>Can vary from 3900kg / 8590lbs up to 10400kg / 22907lbs per tower and depends on:</p> <ul style="list-style-type: none"> • If tower bases are interconnected or free standing • Layout of canopies • Self-weight of load or interconnected stage is considered (Might be deducted from ballast under certain conditions) • Friction material used between screw jacks, padding and sub soil 	
Canopy & sidewalls	<p>B1 fire retardant canopy on request, keder profiles optional</p> <p>Silvergrey; other colors or inside black on request</p> <p>B1 fire retardant side nets in compliance with latest Eurocodes</p>	
Customized	Customisation (i.e. truss configuration, alternative dimensions, roof adjustability) upon request	

Transportation data

	Stage size >	20x14 m	(65.62x45.93 ft)	18x14 m	(59.06x45.93 ft)	
Self-weight	* Exact self-weight depends on configuration	7300 kg	(16079 lbs)	6980 kg	(15374 lbs)	
Transport volume	* Packed in carton boxes and bubble foil	80 m³	(2825 ft³)	70 m³	(2472 ft³)	