Technical specs ARC Roof 8x6

Structure	Main grid	H30D
	Towers	H30V
	Roof structure	Arc Roof
	Stiffening	Guywires + Pressure bars

Dimensions		Description	Size
	A	Overall Width	9,05 m
	B	Overall Depth	6,65 m
	C	Overall Height	4,99 m
	D	Internal Width	8,04 m
	E	Internal Depth	5,14 m
	F	Height clearance	4,72 m
	G	Tower clearance	3,46 m
	H	Cantilever Depth	0,71 m

Loading capacity	Description	Type	Totals
	Maingrid*	UDL	1950kg
		CPL	950kg
		Point load combination	2100kg
	PA wing	CPL per wing	300kg
**Exact figures depends on configuration and loading plan*			

Design standards	ISO-17842-1 (2015)	Safety of amusement rides and amusement devices -- Part 1: Design and manufacture
	EN 13814-1 (2015)	Fairground and amusement park machinery and structures - Safety
	EUROCODE 0 (EN-1990)	Basis of structural design
	EUROCODE 1 (EN-1991)	Actions on structures
	EUROCODE 3 (EN-1993)	Design of steel structures
	EUROCODE 9 (EN-1999)	Design of aluminum structures
All structural components/structures are produced according EN1090 EXC3.		
All structures are supplied with a structural report and manual – a on-site training is mandatory		

Wind management	According ISO-17842-1 (2015)		
	(wind loading valid for area $V_{b,0}$ = 28m/s – terrain category III)		
	Out-Service	0,44kN/m²	26,5 m/s – 95,4km/hr (Max. gust wind speed)
	In-Service	0,20kN/m²	17,9 m/s – 64,4km/hr (Max. gust wind speed)
	Measures	Upon reaching 17,9 m/s side and backwall canopies shall be removed	

Ballast	Total	Varies between 1800kg – 7400kg
	Per tower	Varies between 450 – 1900kg
	Amount of ballast depends on: - Self-weight of the structure (position of the tower) - Interconnected tower bases or free-standing towers - The use of an integrated staging system - Friction coefficient between spindles-padding-sub soil	

Canopy	Top, side and back	
	Standard side and back wall 100% closed - scrims available on request.	
	Color outside grey, inside black – other colors on request	
	Canopy complies to B1 fire retardant standards (ISO 9239-1)	

Staging	Layher scaffolding stage or Easyframe B stage, available as an option.	
	Floor dimensions	variable
	Floor height	max +/-1,4 m
	Floor loading	500kg/m² – 750kg/m²

Soundwing	Available as an option

Side/Backstage area	None

Lifting	None

Logistic	Self-weight structure	800kg
	Transport volume structure	20m³
Exact figures depends on configuration and loading plan		

Assembling	Build up approximately	6 hours (4 persons)
	Dismantling approximately	4 hours (4 persons)
All these numbers varies depending on weather conditions, amount cf persons available and skills cf the crew.		