

WHEELS • WHEELS • WHEELS  
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Special Projects



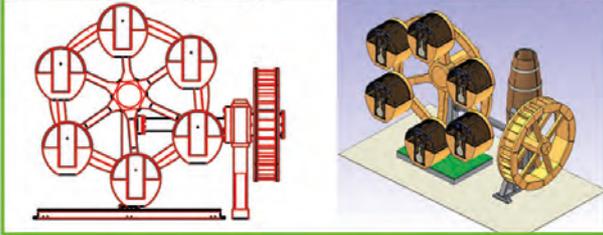
**Kiddie Wheels**

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**Medium Wheels**

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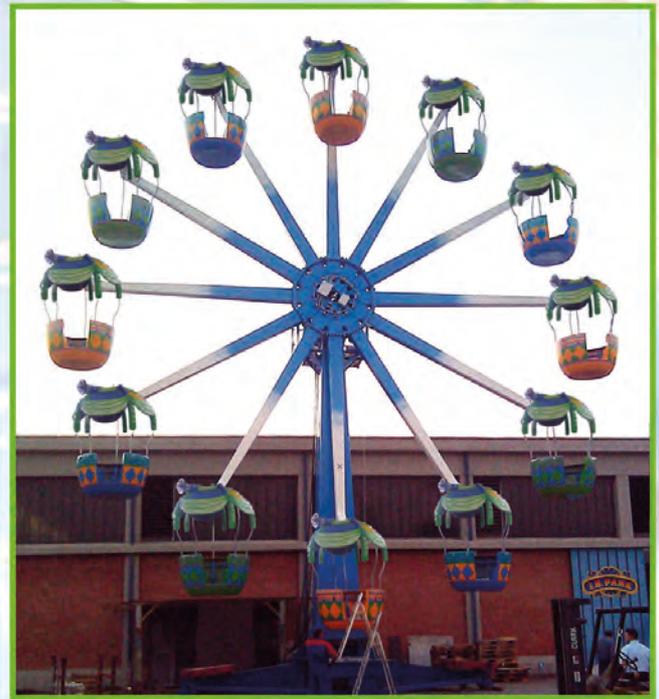
**Giant Wheels**

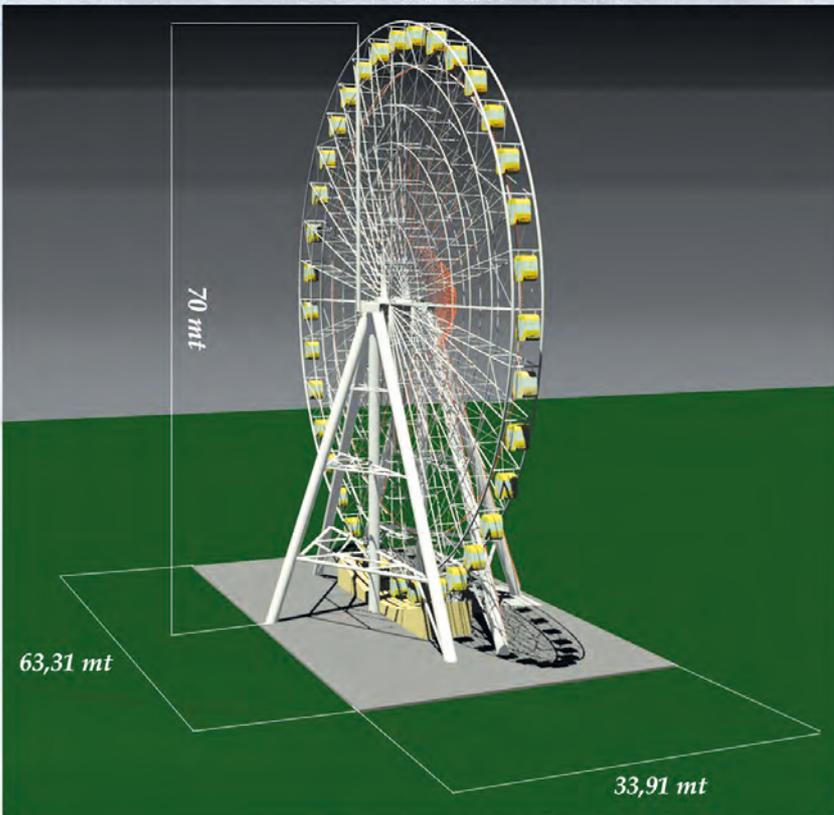


## Kiddie Wheels



## Medium Wheels 16 mt.





The wheel is 95 m diameter and incorporates 50 gondolas each able to seat 4 or 6 people depending from the gondola type.

The structure must be affixed via a bolted connection to a permanent reinforced concrete foundation.

Normally the ride occupies an overall footprint of 60m x 40m. This dimensions could vary depending from the location site.

IEP will provide full imposed loading data to allow suitable foundations to be designed and built locally. Ride is complete with operator panel with wind speed indication.

The ride allows a maximum theoretical hourly capacity of more than 1000 p/h.

Wheel and supports are constructed from mild steel and all structural steel will be finished using a zinc content epoxy primer and two coats of epoxy topcoat in colour to be specified by the customer.

Gondolas are mild steel frame construction with coachwork in sheet aluminium and are glazed with clear plexiglas. Gondolas finished in 2 pack polyurethane coating in colour to be specified by customer.

Gondolas incorporate fixed seating from GRP and a vinyl floor covering. Access to the gondola is via an aluminium framed double door which can only be opened from the exterior.

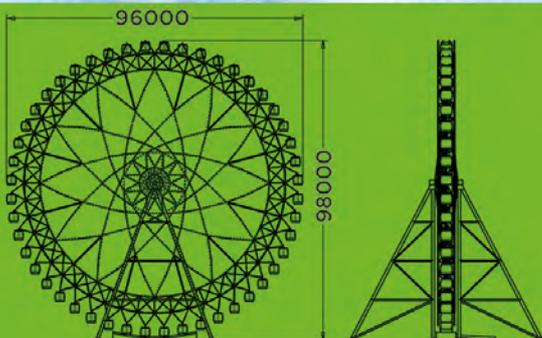
## Giant Wheels

Each gondola has fluorescent lighting to the interior and 8 pcs yellow light fitting (4 on right and 4 on left) to the exterior.

The wheel itself has decorative illumination by way of cabochon lighting in colours to be confirmed, schedule is as follows:

- Front outrigger support
- Front Diagonal support
- Wheel rim outermost braces
- Wheel rim outermost braces
- Wheel spoke type A
- Wheel spoke type B
- Wheel central hub

The total number of lighting points is approx. 8500 for a total power of approx. 85 KW



### Operational limits

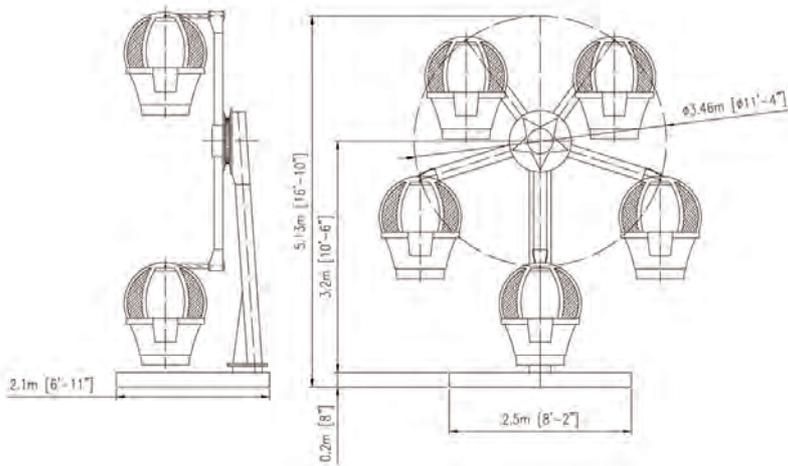
Gondola loading - 5 x 80KG, 400KG maximum

Maximum operating wind speed  
0,18 kN / sqm - 60 km/h (16,9 m/s)

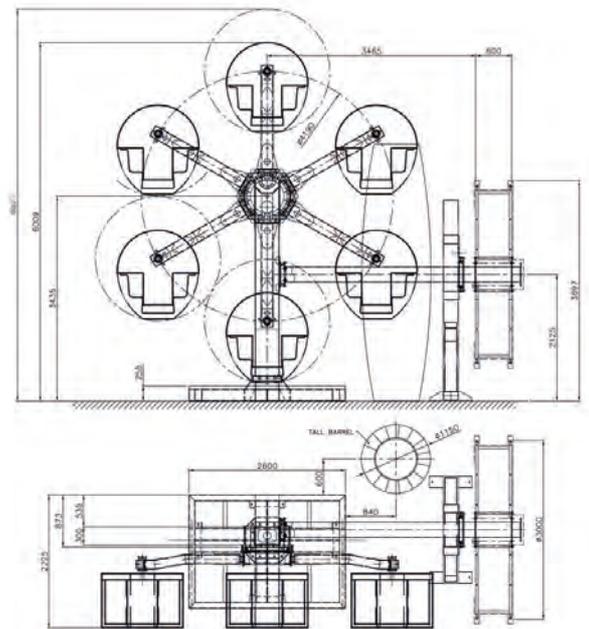
Maximum wind pressure considered in structural calculations  
2,92 kN / sqm = 240 km/h (66 m/s)



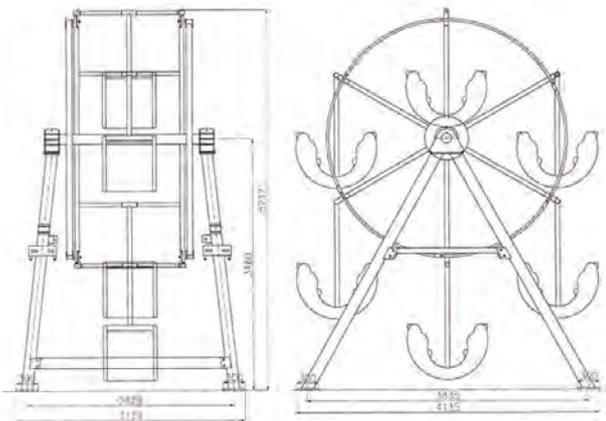
Special Projects



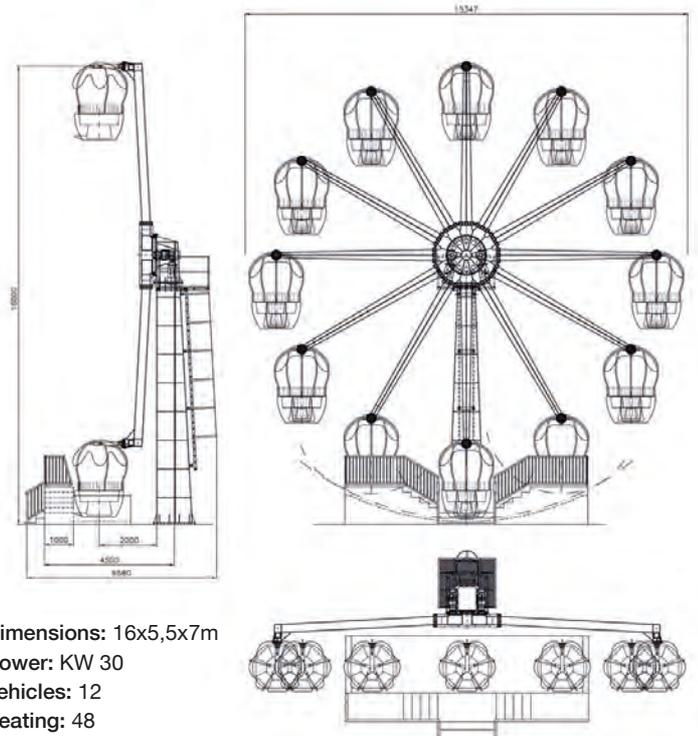
**Dimensions base:** 2,5x2,1m  
**Power:** KW 2,5  
**Light:** KW 3  
**Vehicles:** 5  
**Seating:** 20  
**Total weight (empty):** 2200kg  
**Total weight (loaded):** 3600kg  
**Operation:** Automatic and manual with adjustable speed



**Dimensions base:** 2,6x2,3m  
**Power:** KW 9  
**Light:** KW 1,5  
**Vehicles:** 6  
**Seating:** 24  
**Total weight:** 5700kg  
**Maximum Speed:** Rpm 5  
**Operation:** Automatic and manual with adjustable speed



**Capacity:** 3 children or 1 adult and 2 children  
**Vehicles:** 6  
**Voltage:** 230/400/415 V  
**Frequency:** 50/60 Hz  
**Motive power:** 10,5 KW



**Dimensions:** 16x5,5x7m  
**Power:** KW 30  
**Vehicles:** 12  
**Seating:** 48  
**Total weight:** 17800kg  
**Maximum Speed:** Rpm 2  
**Direction of travel:** Clockwise  
**Operation:** Automatic/Manual



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