



Completeness, characteristics, and cost of 100 m wheel.

Advantages: European quality; spacious cabins; uneven loading of cabins up to 50% does not cause wheel slippage;

Session: 1 rotation per 20 minutes. **Service - up to 1080 pers./hour.**

BASIC COMPLETENESS OF A PANORAMIC WHEEL

1. **Cabins:** 36 spacious panoramic semi-open cabins Ø 2,4X2,6m. designed for 10 pers., each cabin 5 m², and the total capacity of 360 pers., supplied with mechanical locks and 5 mm thick polycarbonate glass.
2. **Transmission :** gear drives supplied with a gear (pinion) engagement to a wheel arc, the system **eliminates slipping of the gear drive with a drive arc** in the rain and uneven loading up to 50%.
1. **Metal structures :** Two pyramidal supports supplied with access ladders and sites; 36 trusses of the rotating part; bearing units; loading platform under a roof; galvanized fasteners marked according to GOST or ISO.
2. **Electrical equipment :** Control boxes and operator consoles; cable set, sensors - in accordance with the "Low voltage equipment" section of GOST 33807 or EN 13814. Pavilion for a control panel and an operator.
3. **Coat-painting** of metal structures – 2-layer painting system.
4. **Installation supervision, adjustment, tests, putting into operation, instructing the staff** of the Ferris wheel.
5. **Operational documentation** in accordance with requirements of GOST 33807 or EN 13814;
6. **A set of spare parts and tools** for the first year of operation of the Ferris wheel; spare parts supply and technical support for at least 10 years.

MAIN TECHNICAL CHARACTERISTICS (APPROXIMATE)

1. **Dimensions :** height - 100m, diameter – 97 m, weight – 337 tn, site for supports - 28x35m; volume of foundations ~ 300 m³.
Speed of cabins at the station: 0 m/c-0,26 m/s; resource – 35 000 hours (3 500 days)
1. Electrical equipment (all data are preliminary): - gear drives: while fully loaded - not more than 2x25 kW , average per hour –14 kW, drive power source - V/phase /Hz/A 380/3/50/135; conditioning – up to 1 kW per cabin, cabin power source V/phase /Hz/A 220/1/50(60)/6 per cabin.; dynamic illumination - up to 30 kW, power supply source V/phase /Hz/A 220/1/50/200.
2. Back up electricity supply for evacuation of passengers: is produced by the 20 kW power generator (to be purchased by buyer), which is required in case of power outage.
3. External effects: Ill wind area; earthquake – up to 8,3 magnitude of the Richter scale.
4. Temperature: from -10 up to +45 Celsius degree, humidity – up to 99%.
5. Number of 40-feet containers for transporting a wheel - 32;

Price, including installation – by request

Optionally (by request):

1. **Extreme cabin - € 10 000.**
2. **Glass in the floor – € 3 000**
3. **Lift and cabin for the disabled – €12 000**
4. **Additional entrance – € 10 000**
5. **Container for cooling/heating and protection of electrical equipment – € 8 000**
6. **Cost of the dynamic illumination - from €37,5 to €62,5 per meter.**
7. **Certificate of conformity EN 13814 upon request.**

A buyer's responsibility: transportation, storage (3-4%), foundations and site (3%), electric power supply, ticket sales systems, security system, service rooms , permissions.

Payment: 15% prepayment, 80% - proportionally to containers sent, 5% - after start of operation.

Average production time – 15 months (reduction to be discussed), installation – 60 days .