



Completeness, characteristics, and cost of 125 m wheel.

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

1 rotation per 20-40 minutes. **Service - up to 1320 pers./hour. (5 mln./ year)**

BASIC COMPLETENESS OF A PANORAMIC WHEEL

1. **Cabins:** 44 spacious panoramic semi-open cabins 2,4X2,6m. designed for 10 pers., each cabin 5 m², and the total capacity of 440 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%.
3. **Metal structures :** Two pyramidal supports supplied with access ladders and sites; 44 trusses of the rotating part; bearing units; loading platform under a roof; galvanized fasteners marked according to GOST or ISO.
4. **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.
5. **Coat-painting** of metal structures – 3-layer painting system.
6. **Installation supervision, adjustment, tests, putting into operation, instructing the staff** of the Ferris wheel.
7. **Operational documentation** in accordance with requirements of **GOST 33807** or **EN 13814**;
8. **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 - 125m, diameter – 120 m, weight – 335 tn, site for supports - 30x37m; volume of foundations ~ 660 m³.
Speed of cabins at the station: 0m/s-0,1m/s-0,3m/s; resource – 35 000 hours (3,500 days)
2. Electrical equipment (all data are preliminary): - gear drives: while fully loaded - not more than 2x35 kW , average per hour – 18 kW, drive power source - V/phase /Hz/A 380/3/50/160; conditioning – up to 2 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.
3. 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.
4. External effects: III wind area; earthquake – up to 8,3 magnitude of the Richter scale.
5. Temperature: from -10 up to +45 Celsius degree, humidity – up to 99%.
6. Number of railroad cars (40 foot containers) for transportation of the wheel - 44 pcs.;

Price, including installation – by request

Optionally (by request):

1. Cooling – €1 875, heating – €375.
2. Replacement of a semi-open cabin with an extreme cabin – €11 250.
3. Glass in the floor – €2500.
4. Lift and a cabin for the disabled– €15 000.
5. Additional entrance – €750.
6. Container for cooling/heating and for protection of electrical equipment - €250.
7. Marine climate protection - 2 layers of zinc-containing primer, and enamel = 3% of the price for the wheel.
8. Reinforcement of structure for IV-VII wind areas+ 3% per each area.
9. Cost of dynamic illumination – from €37,5 to €62,5 per meter.
10. Certificate of conformity (or EN 13814, by 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% proportional to containers sent, 5% - after the start of operation.

Average production time – 18 months (reduction to be discussed), installation – 80 days.