Completeness, characteristics, and cost of 70 m wheel.

Advantages : European quality; spacious cabins;
uneven loading of cabins up to 50% does not cause wheel slippage;
Session: 1 rotation per 15 minutes. Service - up to 670 pers./hour.

BASIC COMPLETENESS OF A WHEEL 70 M HIGH

1. **Cabins:** 28 spacious panoramic semi-open cabins **Ø 2 м.** designed for 4-6 pers., each cabin 3,5 m^2, and the total capacity of 168 pers., supplied with mechanical locks and 3 mm thick polycarbonate glass. **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%.
2. **Metal structures :** Two pyramidal supports supplied with access ladders and sites; 28 trusses of the rotating part; loading platform under a roof; galvanized fasteners marked according to GOST or ISO.
3. **Electrical equipment :** Control boxes and operator consoles; cable set, sensors - in accordance with the "Low voltage equipment" section of GOST 33807 EN 13814.
4. **Coat-painting** of metal structures – 2-layer painting system.
5. **Installation supervision,** adjustment, tests, putting into operation, instructing the staff of the Ferris wheel.
6. **Operational documentation** in accordance with requirements of GOST 33807;
7. **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 - 70m, diameter – 67 m, weight – 157 tn,**
   site for supports - 24x31m; volume of foundations ~ 220 m^3.
   Speed of cabins at the station: 0m/c-0,24m/s; resource – 35 000 hours (3 500 days)
2. Electrical equipment (all data are preliminary): - gear drives: while fully loaded - not more than 18 kW and 14 kW, average per hour –5 kW, drive power source - V/phase /Hz/A 380/3/50/90; 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 220/1/50/180.
3. **Back up electricity supply for evacuation of passengers**: is produced by the 20 kW power.
4. External effects: III wind area; earthquake – up to 8 magnitude of the MSK-64 scale.
5. Temperature: from 10 up to +45 Celsius degree, humidity – up to 99%.
6. Number of 40 foot containers for transportation of the wheel - 17;

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 (1-3%), 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 – 9 months (reduction to be discussed), mounting – 30 days .