

**99-0122**

The invention refers to the installations for conversion of the wind power into the mechanical one, which may be used for electric power production.

The rotor-type windmill is formed of sections, contains a vertical or horizontal shaft, arched or flat blades. The blades, made in the form of a rectangular frame, are fixed to the shaft by means of cantilevers or without them. The rectangular frame of the blade is formed of horizontal straight or arched cross-pieces and straight or arched vertical racks. On each vertical rack or horizontal cross-piece there are articulated flexible sails. Novelty of the invention consists in, that in different levels of the vertical or horizontal shaft length there are fixed as a cantilever or without them two arched or flat blades with a radial angle between them of  $180^\circ$ . The sections are placed densely on the shaft. The section blades don't coincide in the horizontal or vertical plane. The flexible sails are provided with loads installed on the free vertical or horizontal side along its full length.

The result consists in reducing the blades number, building materials consumption and increasing the rotor-type windmill productivity.