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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 executed of sections, contains a vertical 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 this blade is formed of the 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. Summary of the invention consists in, that in different levels of the vertical or horizontal shaft length there are supported as a cantilever or without them in two arched or flat blades with a radial angle between them of 180° . The section blades don't coincide in the horizontal or vertical plane. The flexible sails are provided with loads rigid installed on the free vertical or horizontal side along its total length.

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