

The invention relates to the wind-power engineering and may be used in the wind-electric plants for block functioning with the electric generator, forming ecologically pure wind-electric plants, as well as for actuation of the pumping and compressor plants, saw-mills, mills etc.

The windmill (variant 1) contains a vertical axle and at least two helical, arched in cross-section blades joined with it. Each blade is assembled of horizontally placed bands, the great sides of which are overlapped and the small ones are rigidly fixed onto lateral generators. The latter ones are joined with the vertical axle by tiered up radial traverses of aerodynamic profile.

In the windmill (variant 2) on the convex side along each blade in its central line is fixed a dissector, executed in the form of a rod bent according to the blade surface form and it is fixed onto it so that between it and the blade surface is formed an interstice.

The result consists in the possibility of uniform distribution of the wind loads, especially at extreme wind loads.

Claims: 5

Fig.: 4