

The invention relates to wind-power engineering, namely to turbine windmills with vertical axis of rotation and can be used in wind-driven electric plants.

The turbine of windmill with vertical axis of rotation contains a vertical axis (1), on which are horizontally fixed upper and lower disks (2, 3), between which are fixed blades, made identically and symmetrically located relative to the axis (1). The blades are made with a profile, formed by the inner and outer arcs of circles. The radius of the inner arc of circle is equal to the radius of turbine, the center of the inner arc of circle being placed on the outer edge of the adjacent blade, against the direction of rotation of the turbine. The radius of the outer arc of circle is equal to  $R/3$ , its center being placed on the arc of circle with a radius of  $0.75R$  from the center, coinciding with the center of the turbine.

Claims: 1

Fig.: 3

