

The invention relates to windmills, in particular to a helical turbine, the axis of rotation of which coincides with the wind direction.

The helical turbine include an axle, onto which there are rigidly fixed, in helical line with constant pitch, blades, having in the normal section a wing profile.

For reduction of the air deceleration in turbines of great length, the blades may be fixed with different pitch of the helical line, for example with its increase towards the exit from the turbine.

The result consists in increasing the wind utilization factor.