

The invention relates to the hydraulic power engineering and may be used for electric power production in the individual farms.

The floating hydroelectric station contains, installed parallel to each other onto a frame (2), two pontoons (1) with anchor elements and one or more axial turbines (7) uniformly placed in a row, the shaft of each turbine being joined by a belt transmission (12) with an electric generator (14), fixed on its back. The turbine is joined with the electric generator by a step-up gear (13), is made in the form of multistart screw blades (8) and is mounted in bearing supports with clearance about the body (3), the inner surface of which is made with inlet confuser and outlet diffuser, and the outer one – of conic form. The belt pulley, installed onto the turbine shaft, contains spokes, the number of which is equal to the number of the turbine screw blades, and the sections of the body wall, of the screw blades and of the belt pulley spokes have hydrodynamic profile.

Claims: 4  
Fig.: 14

