

The invention relates to pump engineering, in particular to rotors of centrifugal hydraulic pumps. The rotor, according to the invention, comprises blades (1), made with a curved working surface in cross-section and placed with a constant angular pitch α on the exit circle with an outer diameter D_2 of the rotor. The blades (1) are made with variable curvature, included between their inlet (6) and outlet (7) edges, inscribed in an angle θ and placed, respectively, on the inlet circle with an inner diameter D_1 and on the outlet circle with an outer diameter D_2 of the rotor. The blades (1) are placed between the drive hub disk (2) and the curved disk (3). The blades (1) are made along their length with variable thickness.

Claims: 3

Fig.: 7

