The invention relates to the pump engineering, in particular to the rotors of the centrifugal pumps.

The rotor, according to the invention, consists of two shrouds: drive and driven, joined between them by blades, installed with the angles of inlet  $\beta_1$  and outlet  $\beta_2$  from the rotor. The number of blades Z is determined from the relation:

$$Z = 0.5 \frac{D_1}{\delta} \sin \beta_1,$$

where  $D_1$  – the inlet diameter of the rotor;

 $\delta$  – the blade thickness at the inlet into the rotor.

The angles  $\beta_1$  and  $\beta_2$  are selected within the limits of 16...24° and 22...35°, accordingly, being provided the dependence  $L \cdot Z \ge 2\pi D_1$ , where L is the length of the blade chord.

The result of the invention consists in decreasing the mass and dimensions and in increasing the efficiency of the centrifugal pump.

Claims: 3 Fig.: 4