

Annotation

This project work is done on the theme " Modernization of electric centrifugal pump ."

The paper discusses the mechanism and operation of the centrifugal pump principle. Given the characteristics of the pump, select the drive with asynchronous motor double power and electric control system are set out .

In the " Safety" made an analysis of dangerous and harmful factors of the water industry , the issues of provision of electric and is targeted ground . Attention is paid to the protection of industrial noise and vibration , ensuring climate and fire safety.

In the economic part of the submitted business plan based on a comparative analysis of the two drive options pump. A also calculated how much finance is required for the implementation of the project and an extra cost .