

Abstract

The theme of the graduation project is the project of reconstruction of CHP-2 JSC "Astana-Energy". The new surfaces of the economizer of the boiler in the form of finned tubes, which give an element economy of metal and fuel, are considered.

The diploma project includes 3 main sections.

In the first part of the thermal calculation of the boiler BKZ-420-140 of the selected main and auxiliary equipment in CHP.

On the topic of safety was made the analysis of the production and was delivered to the air conditioning in the administrative office.

Determination of the main technical and economic indicators of production and payback period of the project are made in the economic part.