

SUMMERY

The diploma project is executed on 63 pages, contains 26 figures, 2 tables and 3 sheets of graphic part.

The purpose of the work is to build an electromechanical automation system for a boiler pumping station.

During the work, an analytical review of existing types of constructions of boiler installations and circulating pump control systems was conducted. On the basis of the initial data, an asynchronous motor and a power frequency converter were selected. The calculation of the parameters of the asynchronous motor has been carried out and the synthesis of the water pressure control system has been performed, the coefficients of the PID regulator have been calculated. The work of the task system and its reaction into disturbance are investigated.

BOILER, INDUCTION MOTOR, CIRCULAR PUMP, FREQUENCY CONTROL, FREQUENCY TRANSMITTER

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Зм.	Лист	№ докум.	Підп.	Дата	Efficiency of the water pumping process Summery			L.	Page	Pages
Developed		Semenov O.I.						7	63	
Checked		Priymak B.I.						NTUU "Igor Sikorsky Kyiv Politechnic Institute", FEA, AEMS-EP,EP-42 group		
T. control										
N. control										
Approved		Peresada S.M.								