

Annotation

The diploma project includes the topic « Modernization of the electric drive of the ventilation unit VDC-47».

In accordance with this condition, the valve control unit has been checked for power supply and electromotor selection. The main issues discussed were the automation of production processes, safety, security, economic efficiency and urban production.

The Matlab software mimics the electric drive image model.

In the section «Safety of Life Style», written about potential for environmental and operational schemes is analyzed and the capacity of the device is estimated for energy consumption and electric shock.

The section of economics considers general government expenditures, operation, exposition and economic efficiency of the project.