Annotation

This graduation project is an automated electric passenger elevator. The main section provides the selection and calculation of electrical equipment for elevator drives, static and dynamic characteristics.

This graduation project has the following sections: special section, life safety and economic section. In a special section: General rules, characteristics, requirements for the electric drive, the engine is selected, the load circuit is calculated and built, the main components of the power part of the electric drive are selected. When considering the drive control system in the MatLab program, a block diagram of a closed system according to the generator-engine system is developed and transients are considered.

Organization and conduct of labor protection in the department of life safety. Selected the same mobile air conditioning, which allows you to effectively cool the office. The economic section defines the feasibility studies, the cost of electrical equipment and the cost of electricity, as well as the economic efficiency of the drive.