

Annotation

The thesis provides for the development of an electric elevator drive type PP-0611. In this diploma project, technical requirements for electric drives of elevators were considered. An asynchronous electric drive that receives power from frequency converters, i.e. using an asynchronous electric drive, is accepted as an electric drive. Features of operation of electric drives of elevators and mine doors, schemes of part of control of opening and closing of doors are shown. As an electric drive, a frequency Converter is selected, taking into account the power of the electric motor.

The control cabinet was reviewed and analyzed. The model of the electric drive of the elevator.

In a special part, the issues of energy saving by electric drive devices, non-volatile shackles of the electric drive are considered. The characteristics of transients are established.

In the section life safety, the working conditions, safety measures for the operation of technical devices, the calculation of artificial lighting and aspiration systems in the working room of the elevator system management institution were considered.

In this diploma project, the following technical and economic bases of elevator design are considered: - capital expenditures for elevator design; - capital expenditures for elevator design. At the same time, the calculation of economic efficiency from the introduction of new technology, its payback period.