

Annotation

This diploma project considers development of electric passenger elevator in high-rise residential buildings. The special part consist calculation ob the electric passanger elevator. A simplified tachogram and diagram of loads were built, squirrel-cage motor is selected. Also, replacement of engine parameters of the circuit are defined. Correspondingly, the graphs of the induction motor are built. The virtual model of the actuator, and is considered transient. Modes of closed and open-loop actuator system are defined.

An analysis of working conditions, fire safety conditions and recirculation ground in the part of life security. And also mentioned the physical and psychological burden on people in the workplace.

The diploma project in the economic part has been calculated to determine the enterprise considered and calculated the efficiency of performance.