

Annotation

The research paper provides a rationale for regulating the speed of automation of working bodies of the passenger elevator . The analysis and rationale for the selection of the asynchronous motor with frequency regulation . Produced engine choice 4MTKF (H) 200L6 and the inverter ATV61HD22M3X. A motorized passenger elevator control system and studies the dynamic mode of operation in MATLAB software environment .

Investigated and analyzed transients under different operating systems. In the «economic part» conducted a feasibility study for the final work.

In the section «Safety» covers the development and calculation of the main events in the operation of the passenger elevator. We consider safety when operating a passenger elevator and calculates the protective earth.