Annotation

In the thesis work has been designedautomatic electric drive passenger elevator with load capacity of 1000 kg. Project consists of the following sections: special part, life safety and economic part.

On the special part were carried out calculation and design work.On the work were defined size and weight of cage; was chosen type of engine; was carried out virtual model of elaborated electric drivefrequency changer -asynchronous motorin MATLABenvironment.

On the section "Life Safety" was designed ventilation system shaft and cage.

On the economic part was shown usage efficiency of the system frequency changer -asynchronous motorin electric lift.