

Annotation

Graduation project was carried out on the electric crane hoist IF-AD. K system, it includes the following sections: special part vital activity security and economic part.

The special part deals with characteristics and technology of lifting mechanism, to make demands to the drive, perform calculations, and power has been chosen and prozvodilsya calculation engine, and a diagram was constructed. Also, the frequency converter has been selected, and the block diagram was constructed using MathLab program considered transient IF-AD.

In the security section vital addressed fire safety, and event, emergency preventive measures, as well as calculations of water supply for fire safety.

In the economic part of the considered economic materials, start-up costs, use costs and economic indicators were defined.