

Annotation

The diploma project is dedicated to the development of a multi-conveyor electric. The project provides a brief description of the belt conveyor system and a description of a multi-conveyor electric.

The mathematical model of the frequency converter and the conveyor belt is made up model. With this program charts displayed angular velocity and transients. The features of dynamic modes of production and the basic requirements to the developed electric drive. In view of these results, the separate single-engine and multi-engined electric and draw up a model of the two systems.

The life safety section examines compliance with safety measures when using the drive belt, the conditions of occupational safety before working on technological protection measures, grounding calculations.

The economic part is considered capital costs, electric energy costs, salaries, depreciation, economic efficiency and payback time.