

SUMMARY

The diploma project consists of an explanatory note on page 91, 40 figures, 9 tables and graphical part on 3 pages.

The purpose of the work is to develop and study the electric drive of a mine cell lifting unit using frequency control.

On the basis of the analysis of the operating modes of the installation, the most promising system «frequency converter - induction motor» is chosen from possible electric drives. The calculation and selection of electromechanical system elements are performed, the research of static and dynamic modes of operation is performed.

MINE LIFTING PLANT, INDUCTION MOTOR, SINGLE-DECKED CAGE, FREQUENCY CONTROL, FREQUENCY CONVERTER

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