

Summary of Technical Approaches to Improve Energy Efficiency in Electric Motor Drive Systems

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Abstract : In present paper a set of technical approaches to improve the energy efficiency in processes controlled by electric motor drive systems EMDS are listed and analyzed. Energy saving becomes fundamental to improve the sustainability and competitiveness of organizations all around the world; increasing costs of electricity had impulse the use of different strategies to reduce the electric power condition. A summary of these techniques is presented and evaluated in the potential for energy saving policies.

Keywords : energy saving, EMDS, induction motor, energy efficiency, sustainability

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