

Reliability and Study for a Mechanism Aided by Asynchronous Actuator Powered by Asynchronous Diesel Generator

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Abstract

The modern electric facilities are equipped by a great number of different mechanisms and devices actioned by Asynchronous electric Motor (ASM), the power of these motors is equal to the power of the generating devices, where their most complicated working regime is the starting when their power is equal to the power of the generating devices. In this regime we can have an overcharge of the generating devices by the active and reactive power. For this reason, this article is dedicated to the study of the starting methods of asynchronous motors that action the mechanisms and that are powered by Asynchronous Generating Diesel (AGD) with a limited capacity of DRY value and a given couple of resistance.

Keywords

Reliability, Autonomous asynchronous generator, starting of the asynchronous motors, Tention converter.