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THE PRINCIPLE OF OPERATION OF TRANSFORMERS

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ABSTRACT

In this article highlights of the principle of operation of transformers and the most common electrical devices in industry. The choice of a power transformer for operation in enterprises is based on the selection of power, as well as in accordance with the requirements for power reliability. To ensure uninterrupted power supply, in some cases, it is necessary to install several transformers. An alternating current is applied to the primary winding, which forms an alternating magnetic flux in the magnetic circuit. This is due to its closure on the magnetic circuit and the formation of coupling between the windings, inducing EMF.

KEYWORDS: *Power Transformers, Magnetic Induction, Efficiency, Operating Principle, Classification, Parameter.*

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