



## The Induction Machine Handbook (Electric Power Engineering Series)

By Ion Boldea, Syed A. Nasar



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Often called the workhorse of industry, the advent of power electronics and advances in digital control are transforming the induction motor into the racehorse of industrial motion control. Now, the classic texts on induction machines are nearly three decades old, while more recent books on electric motors lack the necessary depth and detail on induction machines.

The Induction Machine Handbook fills industry's long-standing need for a comprehensive treatise embracing the many intricate facets of induction machine analysis and design. Moving gradually from simple to complex and from standard to new knowledge, it includes an extended presentation of windings parameters as influenced by frequency and saturation, offers a complete account of standard and new testing methods, and devotes several chapters to the design of variable-speed induction motors.

With a coherence and consistency not attainable in contributed works, this handbook draws on the authors' long experience in the field and takes full advantage of its rich literature. The presentation of all types of induction machines complete with many numerical examples, digital simulations, and design sample cases make the Induction Machine Handbook a comprehensive, up-to-date resource ideal for both for practicing and student engineers.

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