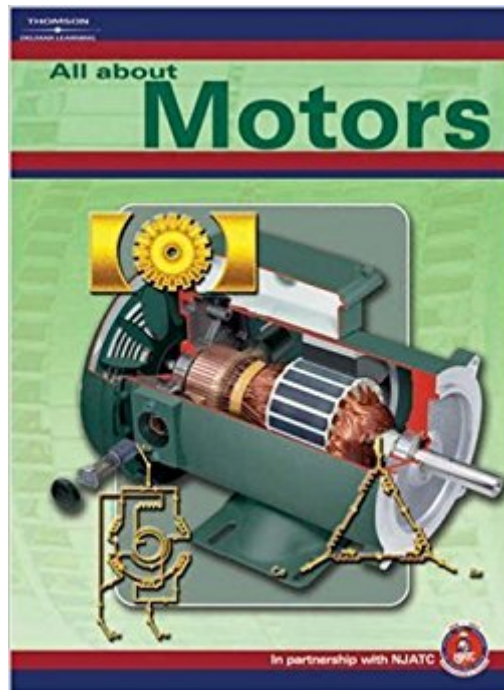




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All About Motors



Synopsis

A practical blend of theory, diagrams, graphs, drawings, and photos combine in this book to assist readers in developing a complete understanding of all types of electric motors, generators, and alternators. All About Motors comprehensively examines such concepts as magnetic and inductive theory, characteristics of various types of motors, and the speed control of AC and DC motors that provide the necessary background for a thorough understanding of rotating equipment. Basic concepts of rotation are skillfully applied to the complex theories of rotor phase angles and their effect on torque so technicians learn effective service and troubleshooting techniques as well as motor operations. The knowledge gained will give students a foundation to develop into journeymen who can be counted on to successfully handle all aspects of the electrical industry.

Book Information

Hardcover: 424 pages

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Average Customer Review: 4.0 out of 5 stars 6 customer reviews

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Customer Reviews

NJATC develops and standardizes training for National Electrical Contractors Association and the International Brotherhood of Electrical Workers, which represents more than 780,000 members working in a wide variety of fields around North America.

I found this book to be very, very poorly written. The writing organization of the book does not quite mirror the contents. For example, following the chapter on alternators, when discussing motor theory (and in several other areas), when they are just about to get into the meat and explain something, they start talking about alternators. Not interested, not germane. Finish the subject at

hand. In fact the style was written so badly, that a) I found myself looking at page numbers to be sure pages weren't missing, and b) I found the entire book to really be regurgative. Every chapter seemed very much like the last chapter, but with little new worthwhile information. The pictures and images were not good. Too small, no markings to specifically point out what the text was referring to. Lastly, the authors kept going on and on about back emf- I got tired of reading about it. Same information over and over and over. Instead, tell me something I don't know about how this actually works, THEN we can discuss back emf (again)....If you are trying to learn about wye, delta, and other motors, how they really work, what their parts are... don't get this book. They should have started every chapter with a mechanical drawing, exploded view, labeling each part- here is the stator, here is the armature. Don't call this a stator here, because in this type of motor it's a 'field winding'... etc, etc. etc. It felt like a book that was expected to have an instructor filling in all the gaps. Again, very, very poorly done.

Excellent supplement to any industrial electronics text book!

thanks

I use this for all of my new maintenance hires and it fill in a lot of voids for them. Of course nothing is better than practical learning and on the job experience, but for the new guys coming up, they have to find out somehow. So if I find one that at least shows up, I try to help him along.

Thank you.

as advertised

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