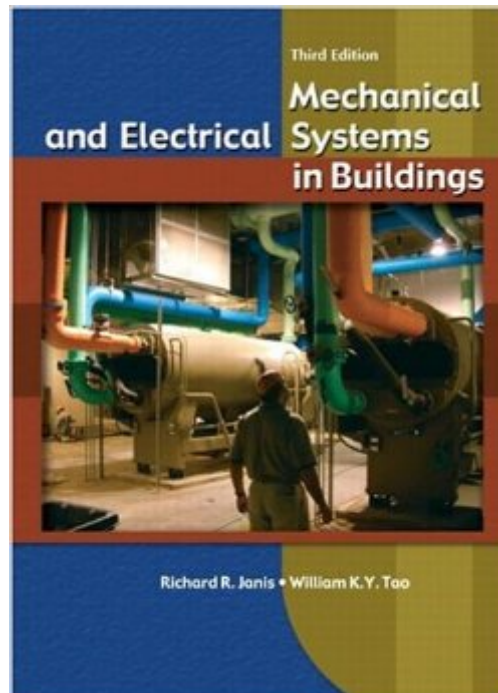


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# Mechanical And Electrical Systems In Buildings (3rd Edition)



## Synopsis

Designed to bridge the ever-widening gap between the realities that confront engineering and construction professionals, this book provides an overview of the principles and applications of all basic mechanical and electrical systems “with a focus on what, why, and basic design data examples. The book places emphasis on the operating principles of equipment and systems “rather than on construction details, identifying systems and providing readers with an explanation of principles.” Topics incorporate new developments in all the major disciplines, and reinforces the relationship of mechanical and electrical systems design in the overall context of the built environment. Includes some key topics such as Sustainable Design, Noise and Vibrations in M/E systems, the latest communications and illumination engineering technologies, Building heating, air conditioning, electrical, illumination, plumbing, and fire protection systems, Valuable data for space planning, cost, and environmental impact of building M/E systems. For design professionals involved in the development, construction, and management of commercial, industrial, and institutional buildings.

## Book Information

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## Customer Reviews

If ur stepping into the building services industry, this book will be a comprehensive packaged info for your reading pleasure. Includes lotsa real-life diagrams, plan routings, concepts and explanation. It's 4am over here in Singapore and I've just finished reading one of the topics, just imagine how attractive the contents this book has! However, the only and regretable drawback is: the units are

empirical which make it very difficult for me for in my country, we use SI metric units.

The content of the book is perfectly fine, however DO NOT use the Kindle version. It is USELESS as a textbook. A psychrometric chart is provided in the book that is necessary for completing some of the problems presented, but the low resolution makes it completely unusable in the digital format. The book is a textbook, but highlighting is not enabled like it is in other Kindle books. There is no "flow," that is, each page appears to be scanned in as-is. You have to zoom in to read the text and pan around on the page. This makes it practically impossible to use charts and diagrams, even if they were at a high enough resolution to see when zoomed in. This next complaint may have to do with the fact that I rented this e-book rather than purchasing it, but it's also unavailable for the Windows 8 Kindle app. (I thought maybe it would behave better on my laptop than on my tablet, not that I was relishing the idea of taking my laptop to class.) I give this a hearty thumbs-down and am ordering the hardcover copy. I thought an e-book would be so convenient instead of carrying a bulky textbook, especially since I plan to bike to class in the spring, but this is a NO-GO!

Very good book. Helps you understand the systems inside (and outside) of buildings in use everyday that most folks don't have a clue about. If you are interested in understanding how your building equipment functions this is a good book for you. Down to earth and well written. Recommend to property management personnel.

This book is helpful and instructive for what its purpose is used for. I would say it is slightly technical and was somewhat hard for me to read, but for the subject I would not complain about being too over my head. I would say this is an excellent book, but a tough read for just one semester. It is being used to supplement another class I am now taking.

I'll give it three stars because there are a lot of interesting charts the authors put in the book from ASHRAE and ANSI and stuff. Be careful when your doing the examples though. I would say at least 20% of them have incorrect numbers, words, or formulas.

This book is terrible. If you are a certified HVAC specialist, it is for you. However, if you are new to this then it is a total waste of money. Explanation is bad, example are nowhere relate to the section discussed. And worst of all, there is no answer keys. You will not have a clue if you are correct or not. Every chapter there are as least half of the review question are calculations, yet in each chapter

there will be probably one page showing how calculation is done. Example one of the simplest thing:  $COP = \text{Cooling Effect} / \text{Power Input}$ . If you look up the index, you cannot find the word "cooling effect", find out whichever chapter they discuss, or show you how to calculate the "cooling effect". You are in luck if you do not have class that uses this book. You have bad luck if you have a "good" teacher that using this book. You are doom if you have a "bad" teacher who using this book, might as well drop it. Waste of time and money.

The book content is good and it reads easy. Very useful and applicable engineering information. The reason for the 3 star is because I can't read it on my surface pro 3 because it's not supported on windows version of kindle.

This is the worst textbook ever published. The content is not addressed in a clear manner, the calculations are poorly discussed, if at all, and not even accurate sometimes. The questions often cover differing chapters than their location and most disturbing is the lack of accuracy!!! The book wasn't even spell-checked, let alone read for consistency and accuracy! It is thoughtless to use this as a textbook ... it's more of a guessing game than information.

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