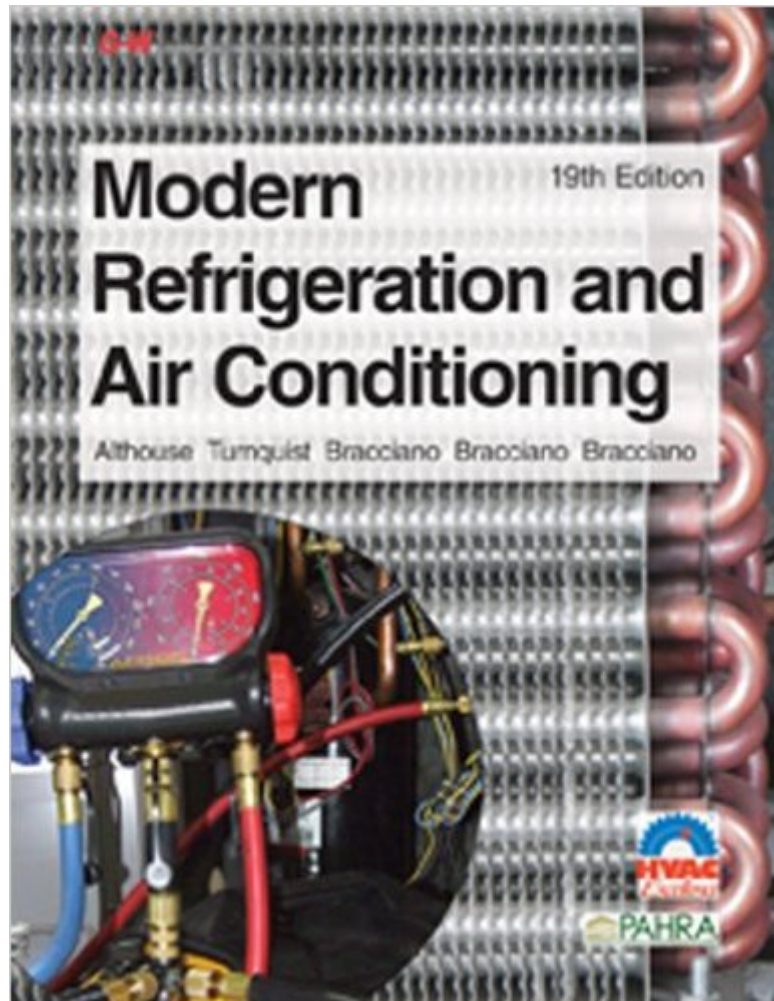


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# Modern Refrigeration And Air Conditioning



## Synopsis

Modern Refrigeration and Air Conditioning provides an excellent blend of theory, skill development, and service information, making it a leader in the refrigeration and air conditioning field. This comprehensive text teaches both fundamental principles and the service techniques needed to diagnose and remedy refrigeration and HVAC problems. In addition, this textbook also provides information on properly designing, sizing, and installing new HVAC-R systems. Modern Refrigeration and Air Conditioning has been extensively updated to improve readability and address recent developments in the HVAC-R field. This new edition includes information about the latest equipment, refrigerants, and environmentally responsible service procedures. An all new layout and revised text make the book easier to read and comprehend. In addition to updated content, the 19th edition of Modern Refrigeration and Air Conditioning has been reorganized to enhance student comprehension. Each section of the text builds on the concepts presented in earlier chapters. Students learn basic concepts early in the book and then apply what they have learned to increasingly complex systems, from the simplest domestic refrigerator to sophisticated commercial refrigeration systems. The teaching effectiveness of the text has been further improved by additional pedagogical tools. Chapter opening outlines give readers an overview of the chapter contents so they can see how key concepts in the chapter are interrelated. A Review of Key Concepts feature appears at the beginning of each chapter to help students relate previously learned concepts to the material presented in that chapter. Throughout the book, care has been taken to promote energy efficiency, from detailing proper system sizing and charging techniques to explaining the integration of solar heating systems. Factors affecting heating and cooling system efficiency are clearly explained in detail. Both students and practicing technicians will benefit from the comprehensive approach of this text, which provides a solid and thorough knowledge of all aspects of refrigeration and air conditioning.

## Book Information

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27.Air Conditioning Systemsâ “ Heating and Cooling Loads  
28.Automotive Air Conditioning  
29.Servicing and Troubleshooting Simplified  
30.Passing Technician Certification Exams  
31.Technical Characteristics

Needed this for my hvac courses it really helps understand alot if you're taking hvac courses this is the book for you it goes in detail every section from the mechanical refrigeration cycle to the electricy to duct sizing to tools piping its very detailed I highly recommend the book in case theres things you miss while taking the courses it goes in great depth of detail

I bought their earlier book and learned refrigeration from and passed my test without going to school. I gave my copy to a younger guy hoping he will do the same as I did...I didn't want to be without a copy, so I bought the newer edition which has some of the newer refrigerants in it.

It contained everything I needed and more for starting the path to taking my class A license in HVAC. A+

Somewhat contradicting in the early chapters, too detailed in some places. Some areas go into great detail and then close with an advisory that the above info is out of date or no longer applicable. I'm about half way through the book and only bought it because it was required for class. Very heavy, large book that I believe, given it's purpose, should be halved into two paperbacks.

Very complete and comprehensive! My book was 40 years old and this book is very updated! I gave this book to my son as a gift. He is a apprentice in the pipefitters union and is using the book for reference!! Thank You . Dennis J Mildon

I'm sort of an advanced beginner, I'm already working in this trade but still going through school. I already have material to study but I read the book on My own and it really helps Me understand things better. If You don't know a thing about HVAC then this book is for You and it will allow You to understand how different systems work from the very basics. I like this book, I'm sure I will come back to it many times at least for a few years.

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