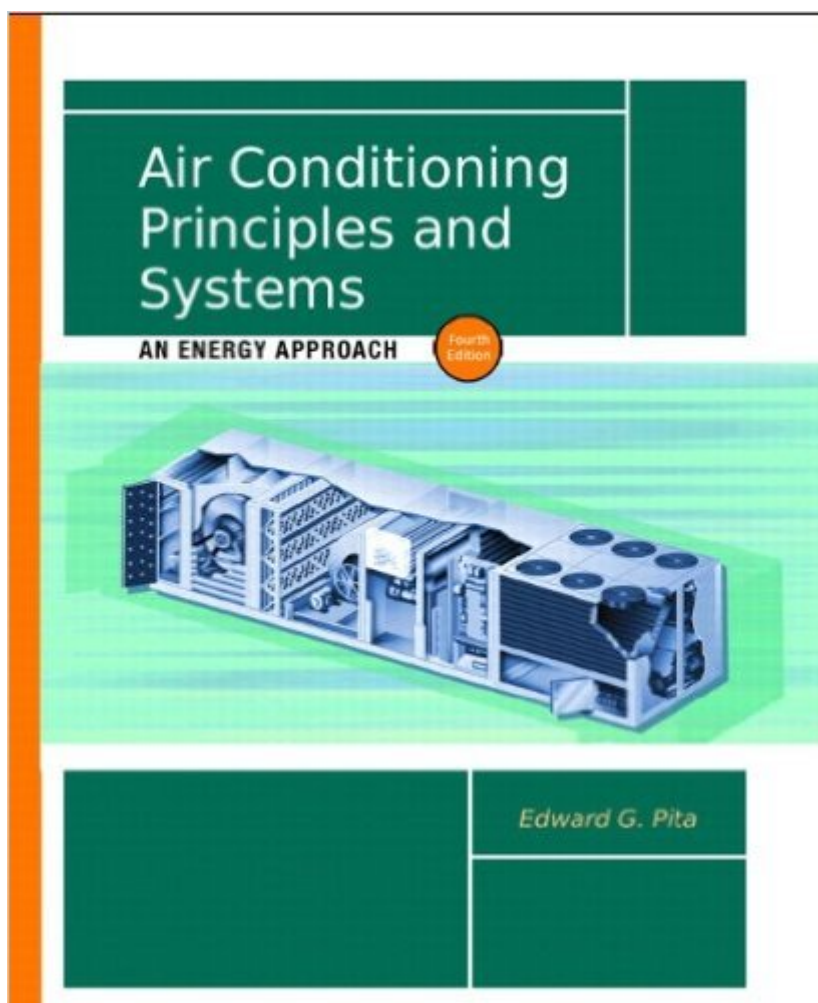


The book was found

# Air Conditioning Principles And Systems: An Energy Approach (4th Edition)



## Synopsis

Using a minimum of mathematics, this book explores the fundamental concepts of air conditioning and their application to systemsâ€”explaining all concepts in a clear, practical manner, and focusing on problems and examples typically encountered on the job. This book contains the most recent and industry-wide accepted information on load calculations, design data, equipment information, and use of the Internet. Specific chapter topics cover the scope and uses of air conditioning; physical principles; heating loads; furnaces and boilers; hydronic piping systems and terminal units; cooling load calculations; psychrometrics; fluid flow in piping and ducts; piping, valves, ducts, and insulation; fans and air distribution devices; centrifugal pumps, expansion tanks, and venting; air conditioning systems and equipment; refrigeration systems and equipment; automatic controls; energy utilization and conservation; instrumentation, testing, and balancing; and planning and designing the HVAC system; and solar heating and cooling systems. For consulting engineers, mechanical contractors, HVAC engineers, designers, project managers, and facilities managers.

## Book Information

Hardcover: 524 pages

Publisher: Pearson; 4 edition (July 8, 2001)

Language: English

ISBN-10: 0130928720

ISBN-13: 978-0130928726

Product Dimensions: 7.5 x 1.2 x 9.3 inches

Shipping Weight: 2.2 pounds (View shipping rates and policies)

Average Customer Review: 4.5 out of 5 starsÂ Â  See all reviewsÂ  (17 customer reviews)

Best Sellers Rank: #519,234 in Books (See Top 100 in Books) #56 inÂ Books > Crafts, Hobbies & Home > Home Improvement & Design > Energy Efficiency #181 inÂ Books > Crafts, Hobbies & Home > Home Improvement & Design > How-to & Home Improvements > Heating, Ventilation & Air Conditioning #815 inÂ Books > Textbooks > Engineering > Mechanical Engineering

## Customer Reviews

This was a required textbook for an Intro to HVAC class I took while in college (architectural engineering major) and bought it, sold it, and then re-purchased this when I had to go back to something for my job. It was very well written with good examples and simplified (but not overly) theories. Would definitely recommend for anyone needing to reference/learn simple HVAC principals.

It tells you what you need to know, with the minimum of technical jargon. They did a particularly nice job of simplifying the idea of entropy without being way off base. This book is for people who want a solid understanding of what goes into designing systems. It is not a "how to" book, nor does it have lots of color pictures of controls, condensers, etc. It is exactly what it says on the cover: An energy oriented approach. I really like the book.

The text is pretty good. Straight forward, not too theoretical. But as a text for class, it would be really good if the problems at the end of each chapter had solutions or final answers. That's pretty typical of text books, every other question has an answer, so you can get an idea if you're doing things correctly. Without answers, it's somewhat like the blind leading the blind. I rented this text. The binding is shot. Pages are literally falling out. I don't know if that is from significant use from previous renters, or just poor quality by the publishers. Possibly both?

This book is the hallmark for an environmental technician studying the physics behind refrigeration and heating. I bought this for my major in college. The concepts may be hard to understand at times, but steady studying will help you understand the general underlying ideas.

Packs a lot of info into a small package. Good starting point for learning more systems in depth. The HVAC ocean is deep and wide, but with this you have a map.

This book is very good for students that look for direct explanations without the deceiving academic jargon. Fast delivery and very good packaging.

The product was shipped in a timely manor and was received as described. The context is written in a way that can actually be understood and provides clear descriptions and explanations.

I like this book. I believe this book must be written by the auther who has profound knowledge on HVAC. Easy. And most of contents are connected to real world and phenomenons around us.

[Download to continue reading...](#)

Air Conditioning Principles and Systems: An Energy Approach (4th Edition) ASHRAE Pocket Guide for Air Conditioning, Heating, Ventilation, Refrigeration, 8th edition - IP (Ashrae Pocket Guide for Air Conditioning, Heating, Ventilation and Refrigeration (Inch Pound)) Modern Refrigeration and Air

Conditioning (Modern Refrigeration and Air Conditioning) 2012 ASHRAE Handbook -- HVAC Systems and Equipment (I-P) - (includes CD in I-P and SI editions) (Ashrae Handbook Heating, Ventilating, and Air Conditioning Systems and Equipment Inch-Pound) Audel HVAC Fundamentals, Volume 3: Air Conditioning, Heat Pumps and Distribution Systems Medium/Heavy Truck Test: Heating, Ventilation and Air Conditioning (Hvac) Systems (Test T7) (Delmar Learning's Ase Test Prep Series) Trucking Air Imports & Exports Freight Forwarding Style: WHAT IT TAKES TO PROVIDE TRUCKING FOR THE FREIGHT FORWARDER INDUSTRY FOR AIR EXPORT AND AIR IMPORTS Renewable Energy Made Easy: Free Energy from Solar, Wind, Hydropower, and Other Alternative Energy Sources Automotive Heating and Air Conditioning (6th Edition) (Professional Technician) Introduction to Hydro Energy Systems: Basics, Technology and Operation (Green Energy and Technology) Heating, Ventilating and Air Conditioning Analysis and Design Modern Refrigeration and Air Conditioning Electricity for Refrigeration, Heating, and Air Conditioning Refrigeration and Air Conditioning Technology Refrigeration and Air Conditioning Technology (Available Titles CourseMate) Basic Refrigeration and Air Conditioning Modern Refrigeration and Air Conditioning Workbook ASE Test Preparation - A7 Heating and Air Conditioning (Delmar Learning's Ase Test Prep Series) Student DVD Set for Whitman/Johnson/Tomczyk/Silberstein's Refrigeration and Air Conditioning Technology Handbook of Air Conditioning and Refrigeration

[Dmca](#)