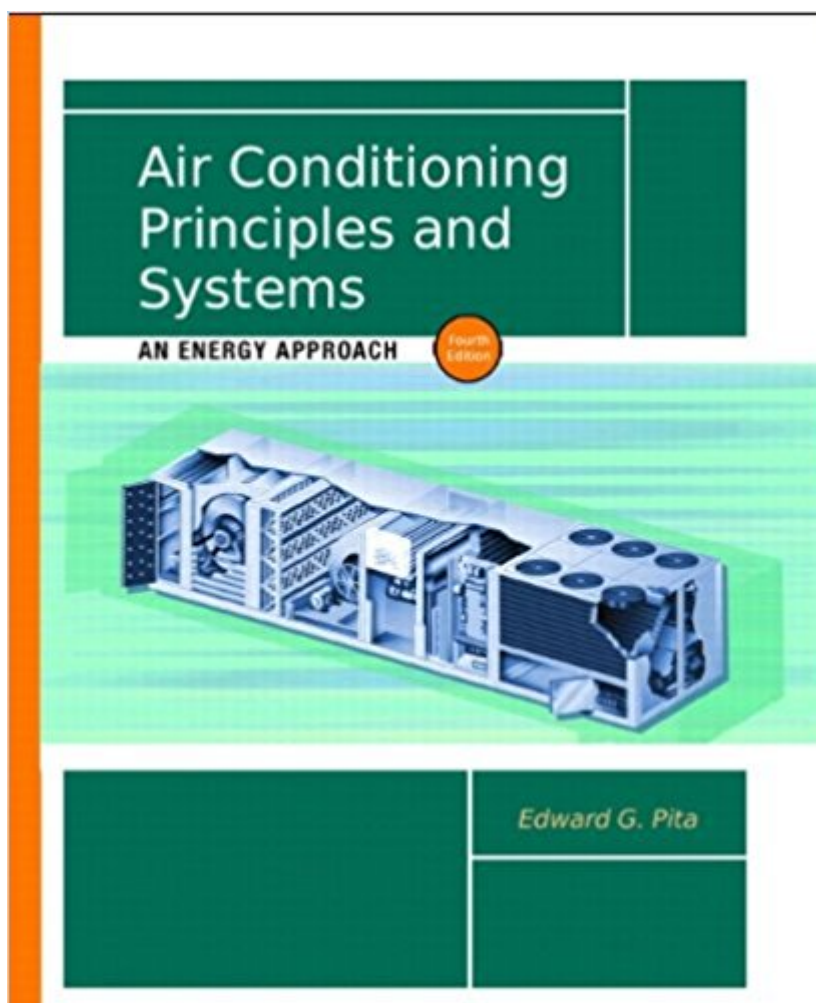


The book was found

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 systems—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

Average Customer Review: 4.1 out of 5 stars 19 customer reviews

Best Sellers Rank: #92,330 in Books (See Top 100 in Books) #9 in Books > Crafts, Hobbies & Home > Home Improvement & Design > Energy Efficiency #25 in Books > Crafts, Hobbies & Home > Home Improvement & Design > How-to & Home Improvements > Heating, Ventilation & Air Conditioning #164 in Books > Crafts, Hobbies & Home > Sustainable Living

Customer Reviews

A classic in its field, *Air Conditioning Principles and Systems* continues to fill the need for a text book on air conditioning systems that combines design principles with real-world applications. Readers will gain insight into the design, operation, and troubleshooting of new and existing air conditioning systems. Moreover, this edition has been updated to reflect recent developments and

issues in the industry, including the increasing use of the Internet in the field. Key features of this edition: New weather data for outside temperature analysis and system design. Expanded information on environmental problems to help readers stay current on issues and regulations. New information about asbestos, including answers about mitigation of harmful effects. Further exploration on scroll compression and how it works in real-world applications.

Edward G. Pita is Professor Emeritus and Adjunct Professor in the Environmental Control Technology Department at New York City Technical College of the City University of New York. He received a B.S. degree from Purdue University, an M.S. degree from Columbia University, and a Ph.D. degree from the University of Maryland, all in mechanical engineering. He is a member of the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) and is a registered professional engineer. In addition to his career as an educator, Dr. Pita was chief mechanical engineer for a large consulting engineering firm responsible for HVAC projects for the United Nations, the State City of the Vatican, the U.S. Capitol, and many other governmental and private clients. He has also worked in applications and systems engineering for the Carrier Corporation and the Worthington Corporation.

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 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.

Excellent - very helpful.

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.

Came to me all falling a part

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.

Great

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

AIR FRYER: TOP 35 Easy And Delicious Recipes In One Cookbook For Everyday Life (Air Fryer Recipe Book, Air Fryer Cooking, Air Fryer Oven, Air Fryer Baking, Air Fryer Book, Air Frying Cookbook) Air Fryer: Air Fryer Cookbook: Air Fryer Recipes: Healthy, Quick, & Easy Air Fryer Recipes for You & Your Family (Air Fryer, Air Fryer Cookbook, Air Fryer Recipes Book 1) AIR FRYER COOKBOOK: 135 AMAZINGLY DELICIOUS QUICK & EASY AIR FRYER RECIPES (air fryer healthy recipes, air fryer paleo, air fryer ultimate, air fryer gluten free, air fryer ketogenic) Air Conditioning Principles and Systems: An Energy Approach (4th Edition) Air Conditioning Principles and Systems: An Energy Approach Modern Refrigeration and Air Conditioning (Modern Refrigeration and Air Conditioning) Heating, Ventilation, and Air Conditioning: A Residential and Light Commercial Text & Lab Book (Heating, Ventilating & Air Conditioning) Air Plants: A Beginners Guide To Understanding Air Plants, Growing Air Plants and Air Plant Care (Air Plants, Ornamental Plants, House Plants) Air Plants: Everything that you need to know about Air Plants in a single book (air plants, air plant care, terrarium, air plant book) Air Fryer Cookbook: 450 Amazingly Healthy & Delicious Air Fryer Recipes. (With Nutrition Facts of Each & Every Recipe) (Air fryer Cookbook, Air fryer Recipes, Air fryer Recipe Book) Air Fryer Cookbook: Healthy & Easy Air Fryer Recipes for Everyone (Air Fryer Recipe Book, Air Fryer Cooking, Best Air Fryer Recipes) Air Conditioning Principles and Systems (3rd Edition) Air Fryer Ultimate Cookbook - 2nd Edition: The Quick & Easy

Guide to Delicious Air Fryer Meals - Air Fryer Recipes - Complete Air Fryer Guide Air Fryer Cookbook: 365 Days of Air Fryer Cookbook - 365 Healthy, Quick and Easy Recipes to Fry, Bake, Grill, and Roast with Air Fryer (Everything Complete Air Fryer Book, Vegan, Paleo, Pot, Meals) BOOK BUNDLE: The complete set of 3 awesome Air Fryer cookbooks: Air Fryer Made Simple, Air Fryer Advanced, Air Fryer Ultimate. Make pro level dishes from the comfort and privacy of Your kitchen! Air Fryer Recipes Cookbook: Delicious 123 Recipes to Fry, Bake, Grill, and Roast with Your Air Fryer(Air Fryer Cookbook, Oil Free Cookbook,Healthy Air Fryer Recipes) Air Fryer Recipes: The Ultimate Air Fryer Recipes Book for Your WHOLE Family - Includes 101+ Delicious & Healthy Recipes That Are Quick & Easy to Make for Your Air Fryer (Air Fryer Series) Air Fryer Cookbook: The Quick & Easy Guide to Delicious Air Fryer Meals - Air Fryer Recipes - Complete Air Fryer Guide Reiki: The Healing Energy of Reiki - Beginner's Guide for Reiki Energy and Spiritual Healing: Reiki: Easy and Simple Energy Healing Techniques Using the ... Energy Healing for Beginners Book 1) Automotive Heating and Air Conditioning (7th Edition) (Automotive Systems Books)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)