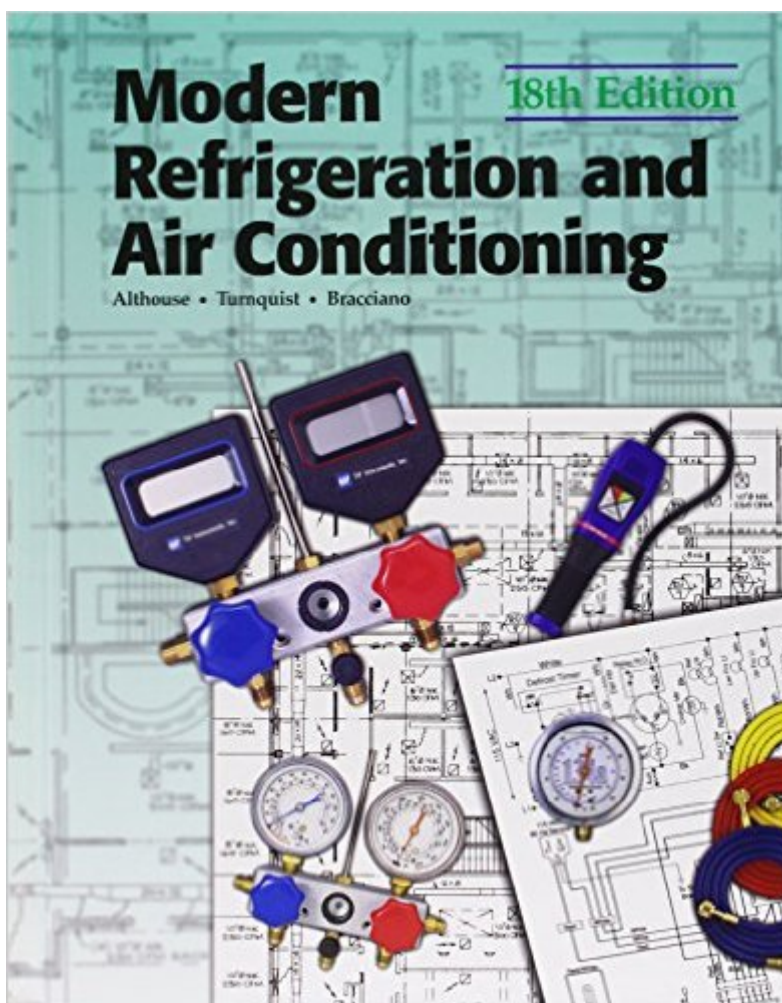


The book was found

# Modern Refrigeration And Air Conditioning (Modern Refridgeration And Air Conditioning)



## Synopsis

Modern Refrigeration and Air Conditioning provides an excellent blend of theory with job-qualifying skills, 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. Modern Refrigeration and Air Conditioning contains the information needed to prepare the technician for success in today's world. Includes information about EPA rules and regulations covering refrigerant recovery, recycling, and reclaiming. 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

Series: Modern Refrigeration and Air Conditioning

Hardcover: 1211 pages

Publisher: Goodheart-Willcox Co; 18th edition (August 1, 2003)

Language: English

ISBN-10: 1590702808

ISBN-13: 978-1590702802

Product Dimensions: 11.2 x 8.7 x 1.8 inches

Shipping Weight: 6.9 pounds

Average Customer Review: 4.3 out of 5 stars [See all reviews](#) (58 customer reviews)

Best Sellers Rank: #34,344 in Books (See Top 100 in Books) #5 in [Books > Crafts, Hobbies & Home > Home Improvement & Design > How-to & Home Improvements > Heating, Ventilation & Air Conditioning](#) #23 in [Books > Crafts, Hobbies & Home > Home Improvement & Design > How-to & Home Improvements > Electrical](#) #31 in [Books > Textbooks > Engineering > Mechanical Engineering](#)

## Customer Reviews

Another editThis time the issue is that the authors do not understand the important difference between conductivity and conductance. Conductivity ( $k$ ), an intensive property, is the energy transfer rate for a unit thickness of a material, and is given in tables everywhere. Conductance ( $C$ ), an extensive property, is the energy transfer rate for (your) specific thickness of material. They use the wrong term in the definition, intermix the terminology, and use the same symbol ( $K$ ) for both concepts. Thank goodness electrical engineers don't do the same thing with resistivity/resistance! In their defense I have come across numerous people in the HVACR industry who do not understand

this basic concept, but these guys are supposed to be experts! In addition they incorrectly worked out their three material example, which is obvious by their inability to reconcile the units in the last few steps. The correct answers are 0.29 for K and 3.46 for R. In the next example they introduce air films, and give reasonable values ( $6=$ exterior 15 mph winter wind,  $1.65=$ horizontal interior still air) for them although they don't mention they are conductances. They improperly introduce U as resistance to heat flow (it's actually a measure of total conductance) but they finally use the correct formula. lowered to 1 star from initial four stars, and about to pitch the book into the garbage. end of additional edit Edit: As I continue to go through this book I am flabbergasted at the number of math errors. On page 567 they casually claim 20 tons is 55.2 kW. The first issue is that they are comparing energy with power. The SI unit for thermal energy is the kilocalorie. The second issue is that 20 tons = 70.3 kW using the normal ton conversion.

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

Modern Refrigeration and Air Conditioning (Modern Refridgeration and Air Conditioning) 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 Workbook Modern Diesel Technology: Heating, Ventilation, Air Conditioning & Refrigeration 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 Student DVD Set for Whitman/Johnson/Tomczyk/Silberstein's Refrigeration and Air Conditioning Technology Handbook of Air Conditioning and Refrigeration Professional Truck Technician Training Series: Heating, Ventilation, Air-Conditioning and Refrigeration Computer Based Training (CBT) Commercial Refrigeration: For Air Conditioning Technicians Doolin's trouble shooters bible: Air conditioning, refrigeration, heat pumps, heating 2014 ASHRAE Handbook -- Refrigeration (I-P) (Ashrae Handbook Refrigeration Systems/Applications Inch-Pound System) Trucking Air Imports & Exports Freight Forwarding Style: WHAT IT TAKES TO PROVIDE TRUCKING FOR THE FREIGHT FORWARDER INDUSTRY FOR AIR EXPORT AND AIR IMPORTS 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) Heating, Ventilating and Air Conditioning Analysis and Design Air Conditioning Principles and Systems: An Energy Approach (4th Edition) Automotive Heating and Air Conditioning (6th Edition) (Professional Technician)

[Dmca](#)