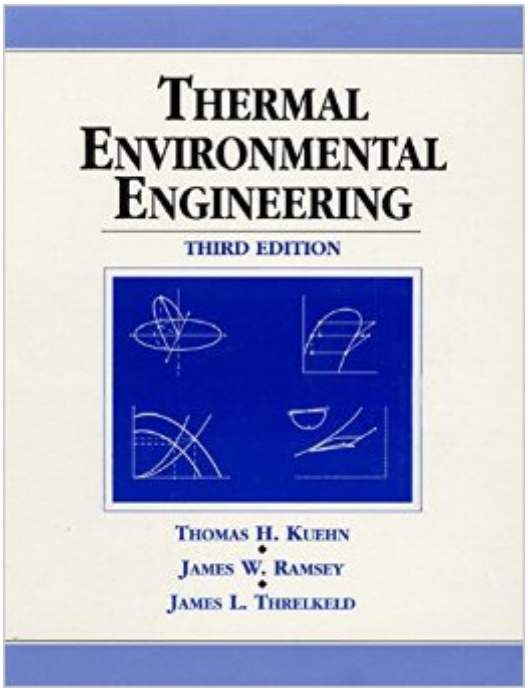
Thermal Environmental Engineering (3rd Edition)



Synopsis

The latest edition of the classic book grounded in the fundamentals. It introduces heating, ventilation, and air conditioning starting with basic principles of engineering leading to the latest HVAC design practice. Its engineering approach emphasizes fundamentals and realistic applications. Acknowledging numerous approaches to all engineering problems, the book presents alternate approaches and describes why some approaches work best in specific applications and what compromises are made using each of them. Provides carefully worked examples with step-by-step solutions listing assumptions, reference equations, and supporting material. Incorporates a careful use of easy-to-follow units and conversion factors providing basic mass and energy balances. The third edition of Thermal Environmental Engineering has been updated to reflect current approaches as well as new chapters on energy estimation, air handling system design, and piping system design. Discusses new replacement refrigerants as well as environmental issues. Presents single and multiple zone psychronetric systems; moisture transport in building structures; and the latest topics on indoor air quality and human comfort. An essential reference book for professional mechanical engineers.

Book Information

Paperback: 740 pages
Publisher: Pearson; 3 edition (February 7, 1998)
Language: English
ISBN-10: 0139172203
ISBN-13: 978-0139172205
Product Dimensions: 7.8 x 1.6 x 9.9 inches
Shipping Weight: 3.2 pounds (View shipping rates and policies)
Average Customer Review: 3.5 out of 5 starsÂ Â See all reviewsÂ (8 customer reviews)
Best Sellers Rank: #710,025 in Books (See Top 100 in Books) #195 inÂ Books > Crafts, Hobbies & Home > Home Improvement & Design > How-to & Home Improvements > Heating, Ventilation & Air Conditioning #311 inÂ Books > Textbooks > Engineering > Environmental Engineering #1047 inÂ Books > Textbooks > Engineering > Mechanical Engineering

Customer Reviews

Loved the hard cover. Classmates had purchased the soft cover book mostly and they were falling apart by the end of the semester. The books that is. But yes also the students.

For a practicing HVAC and refrigeration engineer, this is the best book I have seen that can be used as a reference. It covers almost the every conceivable topic. This is book also is a good starting point for practical design using standard industry practice.

The index is put in between the appendices of various tables and charts, if that tells you anything. To complete many problems you have to reference other textbooks and tables. It’s a waste of space.

Almost a new book and delivered before time,thanks.