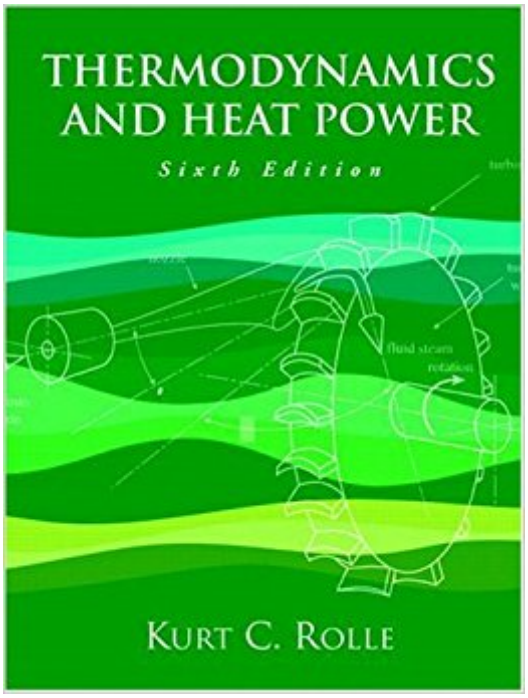
Thermodynamics And Heat Power (6th Edition)



Synopsis

This book presents learners with the fundamental concepts of thermodynamics and their practical application to heat power, heat transfer, and heating and air conditioning. It addresses real-world problems in engineering and design - rather than focusing on abstract mathematics. Chapter topics include the thermodynamic system; work, heat, and reversibility; conservation of mass and the first law of thermodynamics; equations of state and calorimetry; availability and useful work; the internal combustion engine and the Otto and Diesel cycles; gas turbines, jet propulsion, and the Brayton cycle; steam power generation and the Rankine cycle; refrigeration and heat pumps; and much more. For use in engineering technology programs.

Book Information

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Customer Reviews

A new edition of this popular, practical presentation of thermodynamics and its applications...the one specifically designed for mechanical, manufacturing, industrial, and engineering technology programs. Thermodynamics and Heat Power, Fourth Edition provides a complete introduction to convection, conduction, and radiation heat transfer; and examines application of thermodynamic principles to power-producing and consuming mechanical devices such as nozzles, pumps, turbines, gas and steam engines, heat pumps, and refrigeration systems. --This text refers to the Hardcover edition.

Designed specifically for use in engineering technology programs, this popular text presents the

fundamental concepts of thermodynamics and their practical applications to heat power, heat transfer, and heating and air conditioning. The text addresses real-world problems in engineering and design rather than abstract mathematics. New to this edition: Inclusion of optional discussions on using Engineering Equation Solver (EES) as a commercial software tool for solving many of the problems encountered in thermodynamics and heat power Addition of refrigerant blends R-407c and R-502 to the discussion of refrigerants in response to the increased applications of refrigerant blends in mechanical refrigeration Expanded presentation of fuel cells Features of this text: Unique optional Calculus for Clarity sections for students who have a background in differential and integral calculus A consistent system of symbols and units that makes equal use of SI and English units in practice problems, example problems, and thermodynamic and property tables An eight-chapter treatment of heat power/combustion/transfer and HVAC that is one of the most extensive available in a text at this level

Great condition as described

This book might be a little confusing to read but it has all of the essential equations that you need for the Heat Power part of Thermodynamics. There is a wonderful chart in back that lists all of the variables, what they are, and their units. It is a very useful book for reference if nothing else.

The book was in the worst possible condition. The cover was torn and chipped off. In fact there is also a stamp on the book that says "Damaged". Embarrassed to carry it in public. Lacking behind in the semester, so can’t return it.

i havent read the whole book; my review is for the sender..it came on time as i expected..

I was satisfied with the book that I ordered and received it in a timely manner.

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