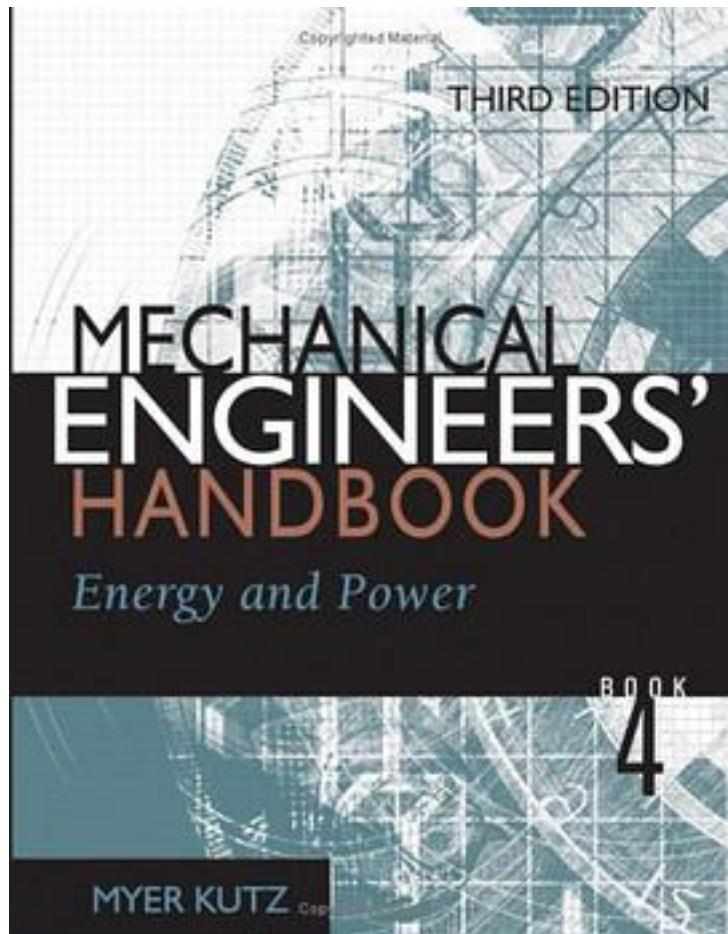


# Mechanical Engineers' Handbook, Energy and Power



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The updated revision of the bestseller--in a more useful format!

Mechanical Engineers' Handbook has a long tradition as a single resource of valuable information related to specialty areas in the diverse industries and job functions in which mechanical engineers work. This Third Edition, the most aggressive revision to date, goes beyond the straight data, formulas, and calculations provided in other handbooks and focuses on authoritative discussions, real-world examples, and insightful analyses while covering more topics than in previous editions.

In addition to chapters on thermophysical properties of fluids, fundamentals of fluid mechanics, thermodynamics, heat transfer, combustion, and furnaces, Book 4: Energy and Power features coverage of both conventional (gaseous and liquid fuels, coal, and nuclear) and alternative (solar, geothermal, and fuel cells) energy sources, plus chapters on power machinery, refrigeration and cryogenics, environmental issues, and thermal systems optimization. Much of the material in this book is new or extensively revised, including coverage of such topics as:

- \* Heat pipes
- \* Wind turbines
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- \* Thermal systems optimization
- \* Combustion
- \* Fans, blowers, compressors, and pumps
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