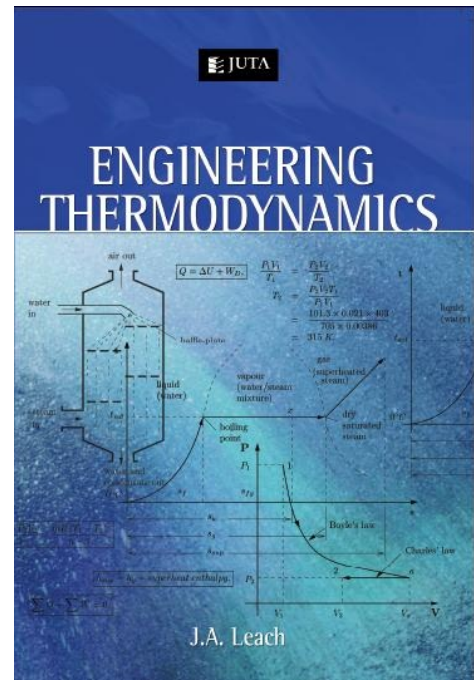


# Engineering Thermodynamics

**Edition:** 1st Edition  
**Publication date:** 2007  
**Author/Editors:** Leach, JA  
**ISBN:** 9780702172595  
**Format:** Soft Cover  
**Number of Pages:** 176  
**Retail price:** R377.00 (incl. VAT, excl. delivery.)  
**Website Link:** [juta.co.za/pdf/22845/](http://juta.co.za/pdf/22845/)



## About this Publication:

Engineering Thermodynamics deals with the application of these laws to power-generating plants, such as coal-fire power stations. It is an important and rewarding subject that has serious implications for our future industrial development.

### Key Features

- Outcomes-based format with short chapters so that the desired outcomes can be easily followed
- Ample worked examples followed by self-assessment exercises with answers that are provided at the back of the book
- Important terms summarised in a glossary for easy reference

**Contents Include:**

Chapter 1. Thermodynamics 1  
Chapter 2. Flow processes and reversibility  
Chapter 3. Heating of gases  
Chapter 4. Steam 3  
Chapter 5. Throttling of steam  
Chapter 6. Boilers  
Chapter 7. Steam plant  
Chapter 8. Condensers and air pumps  
Chapter 9. Combustion of fuels  
Chapter 10. Heat transfer  
Glossary  
Appendix A. Properties of water and steam  
A.1 Steam tables  
A.2 Superheated steam  
A.3 Saturated water and steam

Appendix B. Answers to self-assessment exercises

**Of Interest and Benefit to:**

Thermodynamics II students at universities of technology and FET colleges.