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Titolo	Air conditioning system design // Roger Legg, retired, previously senior lecturer at London South Bank University
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ISBN	9780081020913 (e-book) 9780081011232 (pbk.)
Descrizione fisica	1 online resource (xviii, 422 pages) : illustrations (some color)
Collana	Gale eBooks
Disciplina	697.93
Soggetti	Air conditioning Chilled beams (Air conditioning) Air ducts
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	1. Properties of Humid Air -- 2. Air Conditioning Processes -- 3. Indoor Design Conditions -- 4. Outdoor Design Conditions -- 5. Room Heat Gains, Air Diffusion, and Flow Rates -- 6. All-Air Systems -- 7. Unitary Systems -- 8. Chilled Beams and Radiant Ceiling Systems -- 9. Refrigeration and Heat Pump Systems -- 10. Humidifiers and Cooling Towers -- 11. Exhaust Air Heat Recovery -- 12. Air Filters -- 13. Fluid Flow: General Principles -- 14. Ducted Air Systems -- 15. Fans -- 16. Balancing Fluid Flow Systems -- 17. Control Dampers and Valves -- 18. Energy Consumption -- 19. Commissioning, Operation, and Maintenance -- Appendix -- Index.
Sommario/riassunto	Air Conditioning System Design summarizes essential theory and then explains how the latest air conditioning technology operates. Load calculations, energy efficiency, and selection of technology are all explained in the context of air conditioning as a system, helping the reader fully consider the implications of design decisions. Whether users need to figure out how to apply their mechanical engineering degree to an air conditioning design task or simply want to find out

more about air conditioning technology for a research project, this book provides a perfect guide.
