

1. Record Nr.	UNINA9911006824603321
Titolo	Air-conditioning system design manual // Walter Grondzik, editor
Pubbl/distr/stampa	Atlanta, GA ; ; American Society of Heating, Refrigerating and Air-Conditioning Engineers ; ; Burlington, MA, : Butterworth-Heinemann, c2007
ISBN	1-62198-808-2 1-4619-2304-2 1-281-98542-2 9786611985424 0-08-055910-7
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (419 p.)
Collana	The ASHRAE professional series
Altri autori (Persone)	GrondzikWalter T
Disciplina	697.9/3 22 697.93
Soggetti	Air conditioning
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Front Cover; Air-Conditioning System Design Manual; Copyright Page; Contents; Preface; Acknowledgements; Chapter 1. Introduction; Chapter 2. The Design Process; Chapter 3. Occupant Comfort and Health; Chapter 4. Load Calculation; Chapter 5. Componen; Chapter 6. All-Air HVAC Systems; Chapter 7. Air-and-Water Systems; Chapter 8. All-Water Systems; Chapter 9. Special HVAC Systems; Chapter 10. HVAC&R Controls; Appendix A. Proposed Mechanical and Electrical Systems for an Office Building with Retail Stores; Appendix B. Design Calculations for a Typical Single-Zone HVAC System Appendix C. Design Calculations for Single-Duct VAV System with Perimeter Radiation Appendix D. All-Water System; Appendix E. Preliminary Comparison of Conventional and Ice Storage Systems for a Four-Story Office Building; Appendix F. Controls; Index;
Sommario/riassunto	"The Air Conditioning Manual" was written to assist entry-level engineers in the design of air-conditioning systems. It is also suable - in conjunction with fundamental HVAC&R resource material - as a senior- or graduate-level text for a university course

