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Descrizione fisica	1 online resource (264 pages)
Collana	Mechanical and aerospace engineering
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Nota di contenuto	Front Cover; Contents; Preface; Acknowledgments; About the Author; Chapter 1: Air Distribution Systems; Chapter 2: Mathematical Modeling Technique; Chapter 3: Airflow Regimes and Thermal Comfort in a Room; Chapter 4: Airflow Regimes and Thermal Pattern in Archeological Monuments; Chapter 5: Airflow in Places of Worship; Chapter 6: Airflow Patterns in Healthcare Facilities; Chapter 7: Examples of Typical Air Conditioning Projects; Chapter 8: Indoor Environmental Quality; Chapter 9: Energy Efficiency in Air-Conditioned Buildings; Appendix A: Nomenclature Appendix B: Climatic Conditions in LuxorAppendix C: Glossary; Back Cover
Sommario/riassunto	This book gives comprehensive guidance on the design, calculations and efficient operation of air distribution in buildings of different sizes and uses. It focuses on large buildings, starting with simple rooms and then moving to more complex configurations. A special concern is for hospitals, theatres, public buildings and sporting facilities. The book analyzes use at various stages during the whole building lifecycle. Air conditioning systems providers have the responsibility to ensure that

appropriate engineering governance arrangements are in place, that energy efficiencies have been achieved, and that these factors are examined along with the specific engineering factors--