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Collana	IEE power and energy series ; ; 37
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Machine derived contents note: 1: Introduction -- 2: The function of electrical steels-key properties -- 3: History of the development of Electrical Steels -- 4: Manufacturing methods-and the way that these affect key properties -- 5: Coatings and insulation -- 6: Range of materials available-and typical applications for which they are intended or are used -- 7: The effects of punching and core building -- 8: Requirements and implications of high-frequency applications -- 9: Finite element design methods-availability of suitable data -- 10: Material characterisation methods -- 11: Cost and quality issues -- 12: Emerging materials -- 13: Thickness assessment -- 14: Digest of Standards -- 15: Data and curves -- Glossary -- Index
Sommario/riassunto	This book provides the electrical design engineer with an insight into the properties and applications of electrical steels which are used in transformers and rotating machines. An acknowledged international expert in this field, Professor Beckley describes the principles controlling the action of electrical steels, including rotational loss and the influence of compressional stresses in transformers and rotating machines. The coverage of this book includes: manufacturing methods and applications, machine structuring and operation, cost versus quality issues, and physical properties including

