1. Record Nr. UNINA9910963412503321

Titolo	Electric power transformer engineering / / edited by James H. Harlow
Pubbl/distr/stampa	Boca Raton, : Taylor & Francis, 2012 Boca Raton : , : CRC Press, , [2012] ©2012
ISBN	1-351-83310-3 1-315-21721-X 1-4398-5636-2
Edizione	[3rd ed.]
Descrizione fisica	1 online resource (677 p.)
Collana	The electrical engineering handbook
Disciplina	621.31/4
Soggetti	Electric transformers
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.
Nota di contenuto	Front Cover; Contents; Preface; Editor; Contributors; Chapter 1 - Theory and Principles; Chapter 2 - Power Transformers; Chapter 3 - Distribution Transformers; Chapter 4 - Phase-Shifting Transformers; Chapter 5 - Rectifier Transformers; Chapter 6 - Dry-Type Transformers; Chapter 7 - Instrument Transformers; Chapter 8 - Step-Voltage Regulators; Chapter 9 - Constant-Voltage Transformers; Chapter 10 - Transformers for Wind Turbine Generators and Photovoltaic Applications; Chapter 11 - Reactors; Chapter 12 - Insulating Media; Chapter 13 - Electrical Bushings Chapter 14 - Tap Changers and Smart Intelligent ControlsChapter 15 - Loading and Thermal Performance; Chapter 16 - Transformer Connections; Chapter 17 - Transformer Testing; Chapter 18 - Load-Tap-Change Control and Transformer Paralleling; Chapter 19 - Power Transformer Protection; Chapter 20 - Causes and Effects of Transformer Sound Levels; Chapter 21 - Transient-Voltage Response of Coils and Windings; Chapter 22 - Transformer Installation and Maintenance; Chapter 23 - Problem and Failure Investigation; Chapter 24 - On-Line Monitoring of Liquid-Immersed Transformers Chapter 25 - U.S. Power Transformer Equipment Standards and ProcessesBack Cover

Sommario/riassunto

Electric Power Transformer Engineering, Third Edition expounds the latest information and developments to engineers who are familiar with basic principles and applications, perhaps including a hands-on working knowledge of power transformers. Targeting all from the merely curious to seasoned professionals and acknowledged experts, its content is structured to enable readers to easily access essential material in order to appreciate the many facets of an electric power transformer.Topically structured in three parts, the book:Illustrates for electrical eng