1. Record Nr. UNISA990001091670203316

Autore	WALKER, Alexander
Titolo	Rodolfo Valentino / di Alexander Walker
Pubbl/distr/stampa	Milano : Bompiani, copyr. 1977
Descrizione fisica	128 p. : ill. ; 23 cm
Disciplina	927.92
Soggetti	Valentino, Rodolfo
Collocazione	XIII.2. 551(XVI B 189)
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Trad. di Tullio Dobner

2. Record Nr. UNINA9910466973203321

Autore	Wilson David Gordon <1928-, >
Titolo	The design of high-efficiency turbomachinery and gas turbines / / David Gordon Wilson and Theodosios Korakianitis
Pubbl/distr/stampa	Cambridge, Massachusetts : , : MIT Press, , [2014] [Piscataqay, New Jersey] : , : IEEE Xplore, , [2014]
Edizione	[Second edition, with a new preface.]
Descrizione fisica	1 PDF (xxix, 593 pages) : illustrations
Altri autori (Persone)	KorakianitisTheodosios
Disciplina	621.43/3
Soggetti	Gas-turbines - Design and construction Turbomachines - Design and construction Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.

Sommario/riassunto

This comprehensive textbook is unique in its design-focused approach to turbomachinery and gas turbines. It offers students and practicing engineers methods for configuring these machines to perform with the highest possible efficiency. Examples and problems are based on the actual design of turbomachinery and turbines. After an introductory chapter that outlines the goals of the book and provides definitions of terms and parts, the book offers a brief review of the basic principles of thermodynamics and efficiency definitions. The rest of the book is devoted to the analysis and design of real turbomachinery configurations and gas turbines, based on a consistent application of thermodynamic theory and a more empirical treatment of fluid dynamics that relies on the extensive use of design charts. Topics include turbine power cycles, diffusion and diffusers, the analysis and design of three-dimensional free-stream flow, and combustion systems and combustion calculations. The second edition updates every chapter, adding material on subjects that include flow correlations, energy transfer in turbomachines, and three-dimensional design. A solutions manual is available for instructors. This new MIT Press edition makes a popular text available again, with corrections and some updates, to a wide audience of students, professors, and professionals.