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Sommario/riassunto	Boyce provides an up-to-date reference covering all major aspects of design, operation, and maintenance. He includes technical details on sizing, plant layout, fuel selection, types of drives, and performance characteristics of all major components in a co-generation or combined-cycle power plant. Contents: Section 1: Design, theory, and practice An history and overview of centrifugal compressors Aerothermodynamics of compressors Two dimensional design of compressor stages Three dimensional flow in a centrifugal compressor Diffuser design Surge and surge control Off design performance characteristics Mechanical equipment standards An overview of steam turbines An overview of motor drives Appendices (General properties of air; general properties of gases; Equivalent units) Index Summary.