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Titolo	Variable speed pumping [e-book] : a guide to successful applications / Europump and Hydraulic Institute
Pubbl/distr/stampa	Oxford, UK ; New York : Elsevier, c2004
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Descrizione fisica	xi, 172 p. : ill. (some col.) ; 26 cm
Altri autori (Enti)	European Association for Pump Manufacturers Hydraulic Institute (U.S.)author
Disciplina	621.69
Soggetti	Pumping machinery Variable speed drives Electronic books.
Lingua di pubblicazione	Inglese
Formato	Risorsa elettronica
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references
Nota di contenuto	Introduction; Pumping system hydraulic characteristics; System and process requirements; Pumps; concepts for estimating pumping energy costs; Motors; Variable speed drives; Control principle for variable speed pumping; Selection process - new systems; Selection process - retrofitting to existing equipment; Benefits, drawbacks and operational issues; Financial justification Case studies; Appendices
Sommario/riassunto	Prepared by industry experts from the pump, motor and drive industries under the auspices of Europump and the Hydraulic Institute, this reference book provides a comprehensive guide to variable speed pumping. It includes technical descriptions of pumping systems and their components, and guides the reader through the evaluation of different speed control options. Case studies help illustrate the life cycle cost savings and process improvements that appropriate variable speed pumping can deliver. Authoritative, global reference to Variable Speed Pumping, by Europump and the Hydraulic Institute Combines the technical knowledge of pump, motor and control systems in one guide Brings together all the concepts, metrics and step-by-step decision-making support you need to help you decide which VSD strategies are most appropriate Will help you design and specify

pumping applications that minimise life-cycle costs
