

1. Record Nr.	UNINA990002674730403321
Autore	Tannenbaum, Robert
Titolo	Leadership and organization : a behavioral science approach / Robert Tannenbaum, Irving R. Weschler, Fred Massarik
Pubbl/distr/stampa	New York, : McGraw-Hill, 1961
Descrizione fisica	XIV, 456 p. ; 24 cm
Collana	McGraw-Hill series in management
Altri autori (Persone)	Weschler, Irving R. Massarik, Fred
Disciplina	303.34
Locazione	ECA
Collocazione	1-8-4-TI 8-9-8
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr.	UNINA9910437912103321
Autore	Drubel Oliver
Titolo	Converter applications and their influence on large electrical machines / / Oliver Drubel
Pubbl/distr/stampa	Berlin ; ; Heidelberg, : Springer-Verlag, 2013
ISBN	3-642-36282-6
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (x, 190 pages) : illustrations (some color)
Collana	Lecture notes in electrical engineering ; ; 232
Disciplina	621.31/3 621.313
Soggetti	Engineering Renewable energy sources
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"ISSN: 1876-1100." "e-ISSN: 1876-1119."
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Typical converter designs for electrical machines -- Calculation-methods for converter fed electrical machines -- Additional losses due to higher voltage harmonics -- Converter caused torque oscillations -- Noise based on electromagnetic sources in case of converter operation -- Converter caused shaft voltages -- Insulation strategies in converter driven machines -- Converter applications in typical examples of energy efficient pump systems and in processes with a strong overload characteristic.
Sommario/riassunto	Converter driven applications are applied in more and more processes. Almost any installed wind-farm, ship drives, steel mills, several boiler feed water pumps, extruder and many other applications operate much more efficient and economic in case of variable speed solutions. The boundary conditions for a motor or generator will change, if it is supplied by a converter. An electrical machine, which is operated by a converter, can no longer be regarded as an independent component, but is embedded in a system consisting of converter and machine. This book gives an overview of existing converter designs for large electrical machines. Methods for the appropriate calculation of machine phenomena, which are implied by converters are derived in the power range above 500kVA. It is shown how due to the converter inherent

higher voltage harmonics and pulse frequencies special phenomena are caused inside the machine which can be the reason for malfunction. It is demonstrated that additional losses create additional temperature increases or voltage peaks. The book describes how torque ripple can occur, which endanger the mechanical shaft system and last but not least shaft voltages are induced, which are sometimes sufficient in amplitude to damage bearings or to disturb sensors of the protection arrangements. .
