

1. Record Nr.	UNINA9910135763303321
Titolo	ANSI/IEEE Std 995-1987 : IEEE Recommended Practice for Efficiency Determination of Alternating-Current Adjustable-Speed Drives : Part I - Load Commutated Inverter Synchronous Motor Drives // Institute of Electrical and Electronics Engineers
Pubbl/distr/stampa	Piscataway, NJ : , : IEEE, , 1988
ISBN	0-7381-4271-9
Descrizione fisica	1 online resource (30 pages)
Disciplina	621.3815322
Soggetti	Electric inverters Electric motors - Testing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	This recommended practice proposes a method for determining the efficiency of large, adjustable-speed AC motor-drive systems consisting of a load commutated inverter and a synchronous machine, in which a DC-linked converter is connected between the line and the load. This recommended practice is directed primarily to high-capacity systems (exceeding 1000 hp) and drive systems, which normally include equipments such as transformers, reactors, thyristor power converters, and synchronous machines. The method recommends that the existing test standards for the system equipments be used as reference, supplemented by test and calculations include herein to account for operating characteristics of the adjustable-speed drive systems.