



LM2500 POWER PLANTS

34 MW
SIMPLE CYCLE OUTPUT

>38%
SIMPLE CYCLE EFFICIENCY*



CAPABILITY

Ideal for combined cycle, onshore and offshore power generation, mechanical drive, and cogeneration



VERSATILITY

Accommodates a wide variety of fuels, including coke-oven gas, naphtha, propane, diesel, ethanol, and LNG



SUSTAINABILITY

Multiple technology options available to lower NO_x and other emissions concerns

With more than 2,400 units sold and more than 79 million operating hours, GE's LM2500 is the top-selling gas turbine globally. Ideal for CHP applications between 20 to 40 MW, the LM2500's greater than 85 percent efficiency helps reduce operating costs, plant emissions, and reliance on the local grid. A lightweight and compact modular design complements the universal packaging, which improves accessibility for maintenance. The LM2500 delivers power with reliability greater than 99 percent and availability greater than 98 percent.

gepower.com

		LM2500-DLE	LM2500-DLE	LM2500-DA DLE
SC Plant Performance	SC Net Output (MW)	33.1	33.6	33.6
	SC Heat Rate Ratio (Btu/kWh, LHV)	9,501	8,948	8,897
	SC Heat Rate Ratio (Btu/kWh, HHV)	10,804	9,483	9,381
	SC Plant Efficiency (% LHV)	39.9%	43.0%	43.4%
LC Plant Performance	CC Net Output (MW)	53.2	45.9	47.3
	CC Heat Rate Ratio (Btu/kWh, LHV)	8,465	8,789	8,719
	CC Heat Rate Ratio (Btu/kWh, HHV)	9,811	9,045	8,965
	CC Plant Efficiency (% LHV)	54.0%	54.2%	54.4%
	Plant Turn-down – Minimum Load (%)	34.0%	35.0%	35.0%
	Plant Water (MG/Week)	30	30	30
	Startup Time (20% Hot, Minimum)	30	30	30
2x1 Plant Performance	CC Heat Output (MW)	88.9	89.4	89.1
	CC Heat Rate Ratio (Btu/kWh, LHV)	6,411	6,271	6,235
	CC Heat Rate Ratio (Btu/kWh, HHV)	6,785	6,622	6,560
	CC Plant Efficiency (% LHV)	61.1%	64.4%	64.9%
	Plant Turn-down – Minimum Load (%)	17.0%	17.0%	18.0%
2x1 Plant Performance	Plant Water (MG/Week)	60	60	60
	Startup Time (20% Hot, Minimum)	30	30	30

*Based on ratings of combined cycle at 99 percent and 98 percent availability. Actual performance will vary with plant specific conditions and fuel.

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GE-A-3000178-1-12 (09/16)

Ge Lm2500 Plus Technical Manual

R Bogdan



Ge Lm2500 Plus Technical Manual:

Modern Marine Engineer's Manual Everett C. Hunt, Gus Bourneuf, 1999 This book is designed to serve as a textbook for students and a reference for today's engineering officers port engineers superintendent engineers and other maritime professionals Steam turbine propulsion systems are included but the coverage has been reduced in recognition of the popularity of main propulsion diesel engines covered in volume 2 and the anticipated increasing applications of aeroderivative gas turbines Reciprocating steam engines have been eliminated Pumps pumping systems and heat exchangers are given extensive coverage Computer applications for machinery and system management are presented including an entire chapter on maintenance management Relevant material on international and national laws classification society requirements and standards such as ISO 9000 series and the ISM code are included in the text The characteristics of fuels are presented along with a discussion of fuel testing and analysis and a section on bunkering A chapter on safety and management discusses shipboard engineering operations shipyard repair planning and economics and safety management Each chapter includes review questions and references for additional study **ASME Technical Papers**, 1998 **The North Sea Field Development Guide**, 1997 Discussions of Technical Papers and Memorandums of Panel Discussions Presented at the International Symposium on Marine Engineering, 1973 Technical Papers Presented at the International Symposium on Marine Engineering, 1973 **Paper**, 2000 **Unique 3-in-1 Research & Development Directory**, 1989 *Chilton's Food Engineering*, 1991-07 **Fast Ferry International**, 1995 Offshore Ferry Services of England & Scotland Peter C. Smith, 2012-03-30 The United Kingdom comprises thousands of islands and for many centuries transport between the main islands and the outlying communities has required reliable shipping routes both long and short haul for commerce trade and travel Ferries have become an essential means of transport for many outlying populations and down the years routes have continually changed and been adapted to meet the requirements of the period This remains so today with established ferry routes in a constant state of flux with the dire economic circumstances of the present imposing their own financial restraints upon routes and timetables This volume presents a snapshot of the major Offshore Ferry routes as they currently stand with details of the routes the ships and the amenities added to which are the outline histories of companies and links This volume encapsulates all these strands and should prove a useful aide to all travellers *Turbomachinery International*, 2003 Vols for 1977 include a section Turbomachinery world news called v 1 **Marine Gas Turbines** John B. Woodward, 1975 *MotorBoating*, 1987-12 **MER: Marine Engineers Review**, 1994 **SP's Military Yearbook**, 2006 **Marine Engineering/log**, 1980 Shipbuilding & Marine Engineering International, 1977 **Geothermal Development in the Pacific Rim**, 1996 Diesel Engineering & Gas Turbines, 1978 **ANCILLARY EQUIPMENT AND ELECTRICAL EQUIPMENT - Volume I**, 2010-12-03 Ancillary Equipment and Electrical Equipment is a component of Encyclopedia of Water Sciences Engineering and Technology Resources in the global Encyclopedia of Life Support Systems

EOLSS which is an integrated compendium of twenty one Encyclopedias The volume presents state of the art subject matter of various aspects of Ancillary Equipment And Electrical Equipment such as Seawater Supply Pump Cooling Water Recirculation Pump Brine Recirculation Pump Brine Blowdown Pump Brine Heater Condensate Pump Minor Pumps For Desalination Plants The Installation Criteria And The Layout Hydraulic Aspects In Design And Operation Of Axial Flow Pumps Description Of Surface Vortices With Regard To Common Design Criteria Of Intake Chambers Vacuum Creating Equipment Filtering Equipment Chemical Dosing Stations On Load Sponge Ball Cleaning System Power Supply Systems And Electrical Equipment For Desalination Plants Composite Materials For Pressure Vessels And Pipes Thermal Stresses In Vessels Piping And Components Pressure Vessels And Piping Systems Reliability Risk And Safety Assessment Pressure Vessels And Shell Structures Pipeline Operations Steel And Pipe Mill Technology Pipeline Structural Integrity Pipeline System Automation And Control Pump And Compressor Operation Environmental Conservation Practices For Pipelines This volume is aimed at the following five major target audiences University and College Students Educators Professional Practitioners Research Personnel and Policy and Decision Makers

Whispering the Secrets of Language: An Psychological Quest through **Ge Lm2500 Plus Technical Manual**

In a digitally-driven world wherever monitors reign supreme and instant interaction drowns out the subtleties of language, the profound secrets and psychological subtleties hidden within phrases often go unheard. Yet, nestled within the pages of **Ge Lm2500 Plus Technical Manual** a fascinating fictional treasure sporting with raw thoughts, lies an extraordinary journey waiting to be undertaken. Published by a skilled wordsmith, that charming opus attracts visitors on an introspective trip, lightly unraveling the veiled truths and profound influence resonating within ab muscles fabric of each and every word. Within the mental depths of this touching review, we can embark upon a honest exploration of the book is primary themes, dissect its captivating writing type, and succumb to the strong resonance it evokes strong within the recesses of readers hearts.

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