

STANDARD 60Hz LM2500 GENERATOR PACKAGE

Gas Turbine

16 Stage Axial Compressor

- 1st 6 stages have variable station
- Horizontal Split Casing
- 20:1 Compression Ratio
- 150 lb/s Nominal Inlet Mass Flow

Annular Combustor

- 30 Nozzles Gas Fuel, Water Injection for NOx Control

6 Stage Power Turbine

Generator

Continuous Duty 13.8kV, 0.85 PF

2 Pole, 3 Phase Brushless Exciter

WP11 Weather Protected

Voltage Regulator/Neutral Side Protection CT's

NEMA Class F Insulation & B Temperature Rise

Package

24V and 125V DC Batteries

90dBA Near Field Design

Barrier Inlet Air Filters

Electro-Hydraulic Start System

Class I Div 2 Group D Class Electrical System

Digital Control System with a Human Machine Interface (HMI)

Turbine and Generator Lube Oil System with Simplex Shell and Tube Coolers

On/Off-line Water Wash

Georgia
1395 S. Marietta Pkwy
Suite 218
Marietta, Georgia 30067

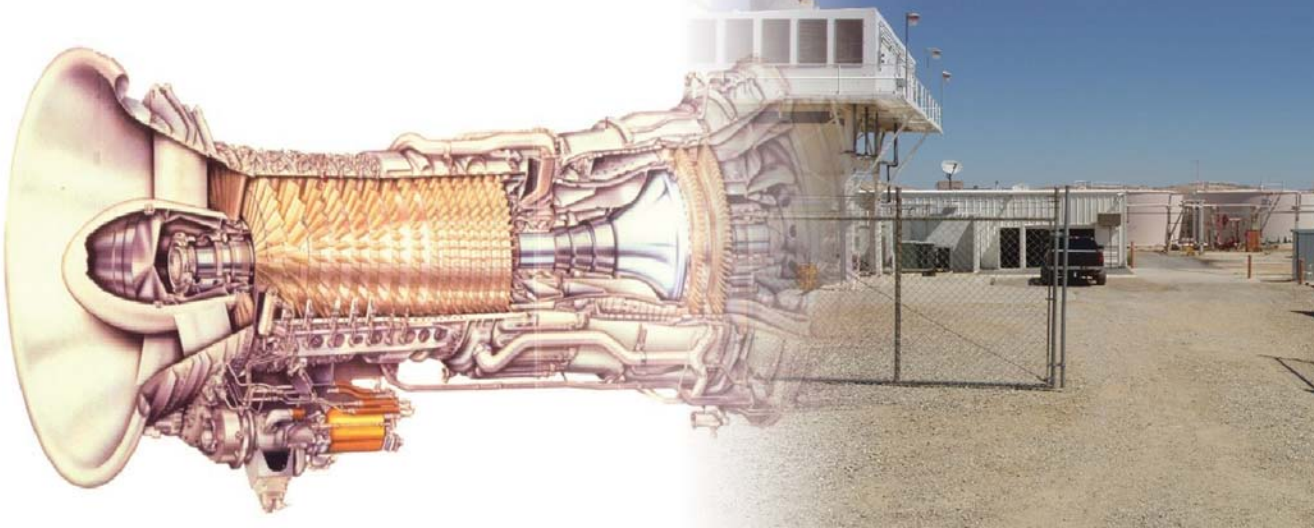
Missouri
2001 Adams Road
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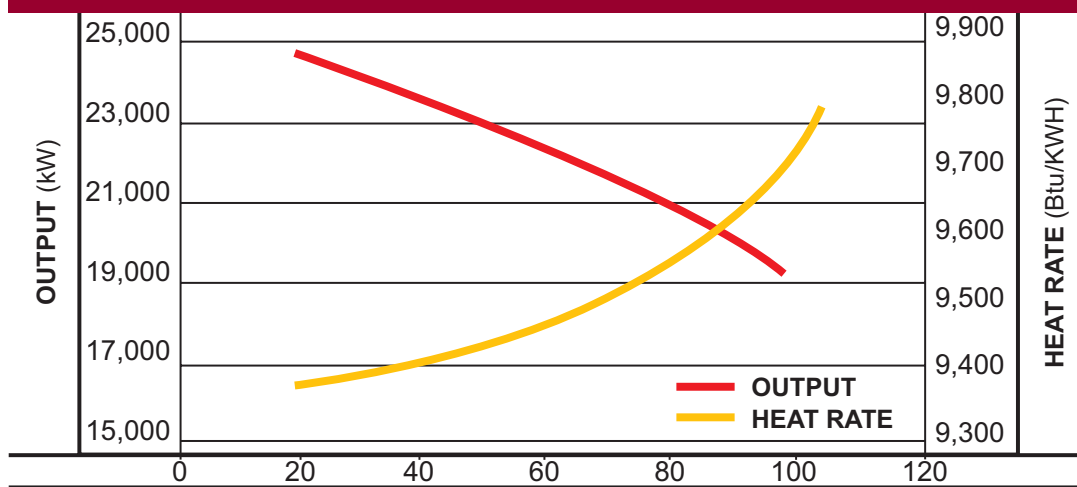
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LM2500 FACT SHEET

LM2500 60Hz Output and Heat Rate



0 ft. 60% RH, 4/6 in H₂O inlet/exhaust loss on natural gas with water injection to 25ppmvd NO_x water inj.

AMBIENT(°F)

Turbine

	LM2500
Power Output (kWe)	18,400
Heat Rate LHV (Btu/kWe-Hr)	9,900
Exhaust Flow (lbs/sec)	143
Exhaust Temperature (°F)	860
Emissions (ppmvd)	NO _x /CO
Gas-DLE	25/25
Gas or Liquid-Water	25/75, 42/55
Gas-Steam	25/74
Power Turbine Speed (rpm)	3,600
No. of Compressor Stages	16
No. of Turbine Stages	6

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