

STANDARD 60Hz LM6000 GENERATOR PACKAGE

Gas Turbine

19 Stage Axial Compressor

- 5 stages low pressure and 14 stages high pressure
- Horizontal Split Casing
- 30:1 Compression Ratio
- 275 lb/s Nominal Inlet Mass Flow

Annular Combustor

- 30 Nozzles Gas Fuel, Water Injection for NOx Control

Turbine Stages

- 2 stage high pressure and 5 stage low pressure Power Turbine

Generator

13.8kV, 0.9PF Continuous Duty

2 Pole, 3 Phase, Brushless Exciter

WPII weather protected

Voltage Regulator/Neutral Side Protection CT's

NEMA Class F Insulation & B Temperature Rise

Integrated Protective Relay Panel

Package

24V and 125V DC Batteries

85dBA Near Field Design

Barrier Inlet Air Filters

10 Minute start capability

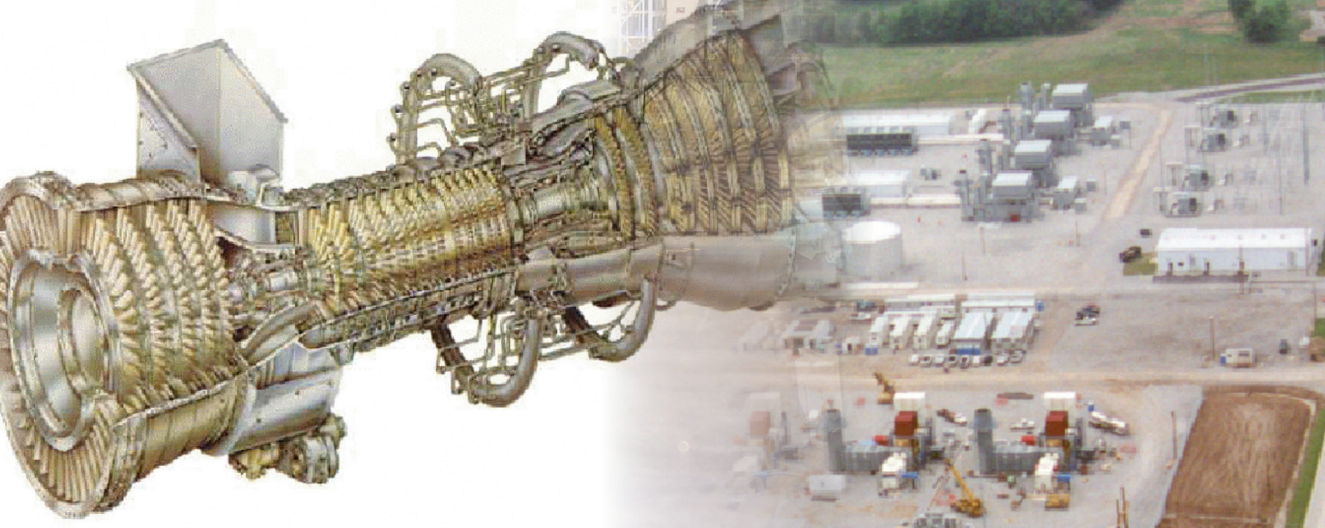
Electro-Hydraulic Start/Shutdown System

Class I Div 2 Group D Class Electrical System

Digital Control System with a Human Machine Interface (HMI)

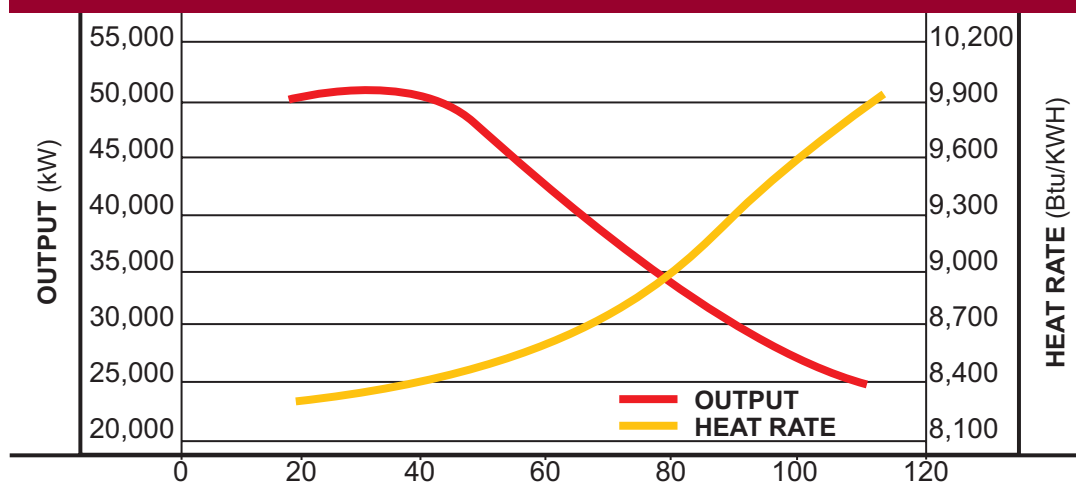
Lube Oil System with Duplex Shell and Tube Coolers

On/Off-line Water Wash



LM6000 FACT SHEET

LM6000 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

	LM6000-PC	Sprint
Power Output (KWe)	43,600	50,000
Heat Rate LHV (Btu/kWe-HR)	8,500	8,400
Exhaust Flow (lbs/sec)	284	295
Exhaust Temperature (°F)	792	826
Emissions (ppmvd)	NO _x /CO	
Gas or Liquid-DLE (15 ppm)	15/50, 65/25	15/50, 65/25
Gas or Liquid-DLE (25 ppm)	25/25, 134/25	25/25, 104/25
Gas or Liquid-Water	25/26, 42/6	25/32, 42/6
Gas-Steam	25/21	25/25
Power Turbine Speed (rpm)	3,600	3,600
No. of Compressor Stages	19	19
No. of Turbine Stages	7	7