

TM2500

Product Specifications



Specifications

- POWER RANGE: 31-34 MW
- VOLTAGE: 13.8 KV
- RELIABILITY: 99%
- EFFICIENCY: 37%
- TURBINE SPEED: 3,600 rpm
- SMALL FOOTPRINT: 27.7 m x 8.2 m (91 ft x 27 ft)

TM2500 Efficiency and Heat Rates

Model	Output (MW)	Heat Rate Btu/kWh, LHV	Heat Rate kJ/kW-hr, LHV	Efficiency, LHV
GE Energy AeroDerivative (50Hz)				
TM2500	30.7	9,832	10,374	34.7%
GE Energy AeroDerivative (60Hz)				
TM2500	34.9	9,341	9,856	36.5%

NOTE: The performance data shown above is at standard ISO (International Organization for Standardization) conditions. The ISO has defined the following standard conditions for comparing gas turbine engines Ambient air: 59°F/15°C, 60% RH; Barometric pressure (14.696 psia / 101.4 kPa); Sea level altitude

ASSUMPTIONS: Expected inlet/exhaust losses, ISO conditions, Air-cooled generator, with brushless excitation @ 0.90 PF (60 Hz @13.8 kV, 50 Hz @ 11.5 kV) Gas fuel, 100% CH4 @ 80F, Water injection to 25 ppm NOX @ 15% O2

The TM2500* is packaged on a two-trailer system with a top-mounted air inlet and exhaust assemblies. Both the inlet filter assembly and the exhaust duct are mounted directly on top of the main trailer assembly, making the TM2500 easily transportable by ship, air or road even to the most remote locations around the globe.

