

Unused 81 MW Gas Turbine Geneset (GE, YOM 2011, 50 Hz)



Gas turbine

Make:	GE
Year:	2011
Model:	PG6111
Serial number:	875070
Output:	81000 KW
Inlet pressure:	1.47 MPa
Exhaust pressure:	12.25kPa

Design ambient temperature:	50 °C
Inlet temperature:	1431 °C

Exhaust temperature:	589 °C
Turbine speed:	5231 rpm
Heat rate(Btu/kWh):	9760
Heat rate:(kJ/kWh);	10300
Pressure ratio:	15.6:1
Mass flow(kg/sec):	203
Efficiency:	35%

Generator

Make: GE
Year: 2011
Volt: 11000 V
Electric output rate: 77000 KW

Stator mass: approximately 79ton
Rotor mass: approximately 28ton
Rotor complete mass: approximately 145ton























