

**6400 KW BACK PRESSURE STEAM TURBINE GENERATOR SET**

**STEAM TURBINE:**

Manufacturer: GE  
Serial Number:  
Type: Back pressure  
Rating: 6510 kw  
Inlet steam: 770 psig/770 °F Max: 860 psig/770°F  
Exhaust steam: 65 psig Max. 68 psig  
Maximum inlet steam flow: lbs/hr  
Steam rate: lbs/kwh  
Number of stages: 4  
Inlet steam size: 8" side  
Exhaust steam: 16" UP  
Speed: 8524 rpm  
Rotation: CCW from governor end

**GENERATOR:**

Manufacture/Type: GE TEWAC  
Serial Number:  
Rating: 8125 kva, 4160 v, 3 phase, 60 hz  
Amps:  
Field: 120 v dc, 132 amps  
PF: 0.8  
Exciter: PMG , brushless type  
Speed: 1800 RPM

**SCOPE OF SUPPLY**

Steam Turbine complete  
Gear reducer 8524 rpm to 1800 rpm  
Generator with terminal box and exciter  
Inlet stop valve  
Lube oil system  
Gland steam condenser  
Turbine control panel with Woodward 505 governor  
Generator control panel

**HISTORY:**

Year manufactured: 1981 started up 1983  
Year shutdown 2018

