



6400 KW BACK PRESSURE STEAM TURBINE GENERATOR SET

STEAM TURBINE:

Manufacturer: GE
Serial Number: 155002
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: 130,650 lbs/hr
Steam rate: 20.1 lbs/kwh (98,267 lbs/hr @ 4890 kw)
Number of stages: 4
Inlet steam size: 8" side
Exhaust steam: 16" UP
Speed: 8524 rpm
Rotation: CW from governor end

GENERATOR:

Manufacture/Type: GE TEWAC, model 5ATI871180A2
Serial Number: 8431091
Frame: 8711
Rating: 7659 kva, 6510 kw, 4160 v, 3 phase, 60 hz
Field: 120 v dc, 132 amps
PF: 0.85
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

