



15000 KW BACK PRESSURE STEAM TURBINE GENERATOR SET

STEAM TURBINE:

Manufacturer: General Electric
Type: Back pressure
Rating: 15000 kw
Inlet steam: 425 psig/740 °F
Maximum inlet steam flow: 250,000 lbs/hr
Exhaust steam: 15 psig
Number of stages: 10
Inlet steam size: 12" side
Extraction steam
Exhaust steam: down
Speed: 3600 rpm
Rotation: CCW from governor end

GENERATOR:

Manufacture/Type: General Electric /TEWAC
Rating: 24500 kva, 13800 v, 3 phase, 60 hz
Amps: 1025
Field: 250 v dc, 203 amps
PF: 0.8
Exciter: Basler static
Speed: 3600 RPM

SCOPE OF SUPPLY

Steam Turbine complete
Generator with exciter
Inlet stop valve
Lube oil system
Gland steam condenser
Sole plates for turbine and generator
Basler 50 kw static exciter with PPT (built 2004)

HISTORY:

Year manufactured: 1982
Last major overhaul: 2008
Year shutdown 2017

Originally this unit 15 psig extraction condensing unit modified to 15 psig back pressure unit.

