



5000 KW BACK PRESSURE STEAM TURBINE GENERATOR SET

STEAM TURBINE:

Manufacturer: Shin Nippon
Serial Number: 22288
Type: Back pressure
Rating: 5000 kw
Inlet steam: 600 psig/653 °F 300 psig/644 °F
Exhaust steam 20 psig 20 psig
Maximum inlet steam flow: 93,000 lbs/hr 46,000 lbs/hr
KW Rating 5,200 kw 2,343 kw
Steam rate: 17.8 lbs/kwh 19.63 lbs/kwh
Number of stages: 5
Inlet steam size: 8" side
Exhaust steam: 63" X 19" UP
Speed: 7490 rpm
Rotation: CW from governor end

GENERATOR:

Manufacture/Type: Hyundai Ideal/SAB /TEWAC
Frame: 21320-40
Rating: 7950 kva, 13800 v, 3 phase, 60 hz
Amps: 333
Field: 120 v dc, 132 amps
PF: 0.8
Exciter: PMG , brushless type
Speed: 1800 RPM

SCOPE OF SUPPLY

Steam Turbine complete
Gear reducer
Generator with terminal box and exciter
Inlet stop valve
Lube oil system
Gland steam condenser
Turbine control panel
Generator control panel
Spare rotor
Special tools and spare parts

HISTORY:

Year manufactured: 2011
Year shutdown 2016

Unit run approximately 1000 hours

NSV Energy LLC
35 Hickory Springs Industrial Drive
Canton GA 30115

