



6360 KW EXTRACTION CONDENSING STEAM TURBINE GENERATOR SET

STEAM TURBINE:

Manufacturer: Shin Nippon
Serial number: 22288
Type: Extraction Condensing C5-R9-ER
Rating: 6360 kw
Inlet steam: 600 psig/653 °F
Maximum inlet steam flow: 93,000 lbs/hr
Extraction steam:
 Auto Extraction 50 psig 0 – 50,000 lbs/hr
Exhaust steam: 3" HgA
 Maximum Exhaust steam flow: 43,700 lbs/hr
Steam rate at zero extraction
 3,900 kw 11.2 lbs/kwh
Number of stages: 7
Inlet steam size: 8" side
Extraction steam 10" 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, extraction NRV
Lube oil system
Gland steam condenser
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

