



24000 kw SIEMENS LOW PRESSURE CONDENSING STEAM TURBINE GENERATOR SET

STEAM TURBINE:

Manufacturer: Siemens Axial Exhaust
Type: SST-400 C 3S/V807 AAL
Serial number: 102 399 20
Rating: 24000 kw
Inlet steam: 174 psi/572 °F
Exhaust steam: 1.5" Hga
Maximum inlet steam flow: 257,200 lbs/hr
Steam rate:
 23,714 kw 10.85 lbs/kwh
 16,174 kw 11.25 lbs/kwh
 10,443 kw 11.78 lbs/kwh
Number of stages: 18
Inlet steam size: 2 x 12" class1500
Speed: 3600 rpm
Rotation: CCW from governor end

GENERATOR

Manufacturer: Siemens SGEN6-100A-2P
Serial number: 12010763
Rating: 28,240 KVA
Volts/phase/hz: 13800 v/3/60 hz
PF: 0.85
Type of cooling: air cooled (TEWAC)

CONDENSER:

Manufacturer: SPX
Surface area: 32,931 Sq ft
Cooling water inlet/outlet: 65/85 °F
Cooling water flow: 23,500 gpm
Tube material: 3/4" SB338/2 Titanium, 24BWG, 4,816

SCOPE OF SUPPLY

Steam Turbine complete
Generator
Inlet stop valve
Lube oil system
Gland steam condenser
Condenser
Air ejector
Condensate extraction pump with motor
Turbine control panel
Generator AVR and control panel

HISTORY:

Year manufactured: 2012

Last run: 2014

The turbine generator condenser is complete with all associated equipment.

