



46700 kw DOUBLE AUTOMATIC EXTRACTION CONDENSING STEAM TURBINE GENERATOR SET

STEAM TURBINE:

Manufacturer: Siemens (Westinghouse)
KW: 46,700 kw
Type: SC23-2B9
Inlet steam: 845 psig/790 °F
Exhaust steam: 1.5" Hga
Maximum inlet steam flow: 697,923 lbs/hr
Automatic Extraction steam:
 Pressure Flow
 176 psig 0 –180,520 lbs/hr
 71 psig 0 – 606,927 lbs/hr
Straight condensing steam flow: 300,000 lbs/hr , 35,000 kw
Steam rate at zero extraction: 8.57 lbs/kwh
Number of stages: 10
Speed: 3600 rpm

GENERATOR:

Manufacturer: Brush TEWAC
Serial Number: 316X702
Rating: 54941 KVA
Voltage: 13800 v/3/60 hz
PF: 0.85
Exciter: 155 v, 787 amps
Exciter frame: BXJ 3032
Machine number: 61210A-1E
Speed: 3600 rpm

SCOPE OF SUPPLY

Steam Turbine generator with brushless exciter
Inlet stop valve (2 pcs)
Lube oil system
Control oil system
Gland steam condenser
Condenser
Air ejector
Condensate extraction pump with motor
Generator terminal box and surge arrester and capacitor
Neutral Ground resistor
Extraction NRVS
Sole plates
Generator breaker and control panel
Turbine control panel with Woodward 501D and Protech 3
Any available spare parts
Drawings, manuals, history records.

HISTORY:

NSV Energy LLC
35 Hickory Springs Industrial Drive
Canton GA 30115



Year built: 1989 started up 1990
Still installed

