



**24000 KW NEW SIEMENS CONDENSING STEAM TURBINE GENERATOR SET 50 HZ**

**STEAM TURBINE:**

Manufacturer: Siemens Axial Exhaust  
Type: SST-400  
Rating: 24000 kw  
Inlet steam: 725 psig/750 °F (50 bar/400 °C)  
Maximum inlet steam flow: 209.000 lbs/hr (95 t/h), steam rate 8.7 lbs/kwh  
Exhaust steam: 1.5" HgA (0.10 (bar)  
Speed: 5038 rpm  
Rotation: CW from governor end

**GEAR REDUCER:**

Manufacturer: Flender  
Model number:  
Speed: 5038/1800 rpm Ratio: 3.36:1  
Service Factor: 1.3

**GENERATOR:**

Manufacturer: Siemens TEWAC, brushless exciter  
Rated Power: 24,131 kw  
Voltage: 11,000 v/3 phase, 50 hz  
PF: 0.85  
Speed: 1500 rpm

**AIR COOLED CONDENSER**

Manufacturer: SPG Dry cooling  
Type: Induced draft, W style ACC, 3 cells  
Steam flow: 89.2 TPH

**SCOPE OF SUPPLY**

Steam Turbine, gear reducer skid complete  
Generator with terminal box  
Inlet stop valve  
Lube oil system  
Gland steam condenser  
Air cooled Condenser  
Air ejector  
Turbine and generator control system

**HISTORY:**

Manufactured Year: 2024, ready to ship.