



## **FOR IMMEDIATE SALE**

### **ONE (1) NEW 4500 KW NEW CONDENSING STEAM TURBINE GENERATOR SET**

**Stock No.** CTG~STC-0247

#### **TURBINE:**

New Elliott 4500 kw multi stage condensing steam turbine, Type 2DYR5, 5254 rpm, inlet steam 575 psig, 745 deg f, exhaust 3.5" hga, CCW rotation looking from governor end, 6" class 600 inlet size, 36" class 150" up exhaust. Steam rate 11.44 lbs/hr, Steam flow 51,500 lbs/hr Turbine Maximum capability 4783 kw

#### **GEAR REDUCER:**

Elliott Single reduction gear reducer input rpm 5254 rpm output rpm: 1800

#### **GENERATOR:**

TD Power systems 5295 KVA, 4500 kw, 0.85 pf, 4160 v, TEWAC, brushless exciter

#### **CONDENSER:**

Graham surface condenser, 7571 sq. ft, 63,000 lbs/hr steam condensed,

#### **GENERATOR CIRCUIT BREAKER:**

Indoor Free standing NEMA-1 cabinet, built ANSI, IEEE standards. Cable entry and exit at top.

Consists of following:

Generator Circuit breaker consists of

- GE type VB1
- 1200 amps, 4160 v, 3 phase, 250 MVA, 125 v dc trip and close
- 3 x 1200:5 CTS bus side
- 2 x 4200:120 V fused pts on bus side
- 2 x 4200:120 V fused pts on generator side
- Lockout relay
- Breaker control switch
- Red/green light
- Two section each 36" wide cabinets

#### **SCOPE OF SUPPLY:**

- Steam turbine, gear reducer, trip and throttle valve, mounted on common skid Condenser, air ejector
- Local turbine gauge board.
- Lube oil system with lube oil tank, ac and dc lube oil pump, lube oil filter, lube oil cooler Valtek governor actuator
- Steam turbine Blankets
- Lube oil piping supply and return from lube oil tank to turbine and generator Gland steam condenser and piping

- Drain piping near Turbine Generator terminal box
- Generator Surge protection with surge arrester and capacitor engineering drawings and manuals, foundation design data Neutral Ground resistor
- Coupling with guard
- Turbine generator control panel Generator circuit breaker Battery charger
- Battery and rack



**WARRANTY:** As Is / Where Is

**FOB:** Your Truck/Warehouse

**PRICE:** Call CTG

CTG Power Systems International, LLC (CTG) is the seller of this equipment and will facilitate all aspects of the equipment transaction. CTG's Terms and Conditions governing unused surplus equipment will apply. Additional services such as dismantling, shipping, engineering and installation are available through CTG and will be performed under a separate contract. A Letter of Intent (LOI) to Purchase coupled with verification of the availability of funds is required. Buyer will be required to render a deposit of up to 25% of the total purchase price to secure the option to purchase and financial closing shall take place within 30 days of inspection and execution of Purchase Sale Agreement, whichever event occurs earlier.

**For more information and firm proposal, please contact CTG:**

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