



**1230 kw Condensing extraction steam turbine generator set**

**STEAM TURBINE:**

Dresser-Rand (Turbodyne) 1230 KW, frame: SHB7, number of stages: 1 curtis-7 rateau, speed: 5526 rpm  
CCW (view from governor end), casing material cast/fabricated steel. Inlet size: 6" #600 Right side,  
uncontrolled extraction: 10" #150 top, exhaust 12" #150 top., U-23018, serial number: 37014, 9,828 lbs  
Inlet steam: 250 psig/406 deg f 30,000 lbs/hr  
Extraction steam: 20 psig , 0-24,000 lbs/hr  
Exhaust steam: 20" hga , maximum 30,000 lbs/hr  
Steam rate at zero extraction: 1230 kw, 24.39 lbs/kwh

**GEAR REDUCER:**

Turbodyne frame E-5 (12-1/2 x 9-3/4), 1648 hp, SF: 1.1, serial number: 37014, 5526/1800 rpm, 2810 lbs

**GENERATOR:**

Marathon Magna One synchronous model 683FDR8138GG W 838 frame 683, serial number NO-50105-  
4/4 type FDR , encl Drip proof, class F insulation, 1230 KW, 1538 kva, 277/480 v, 3 phase, 60 hz, pf: 0.8  
1849 amps, 105 deg c rise, brushless exciter 2.2 amps, 75 v., 6090 lbs

Governor: woodward 505

Built 1983 dismantled and stored in warehouse

19' L x 7'2" W x 6'4" H 30,600 lbs

