

**3500 KW Backpressure steam turbine generator set****TURBINE:**

Manufacturer/Type: Dresser-Rand (Turbodyne) back pressure unit
Serial number/frame: 37497/ITS2BT2
Rated output: 3500 KW
Inlet steam: 400 psig/750 deg F, 108,000 lbs/hr
Extraction : Controlled 80 psig , 0 to 50,000 lbs/hr
Exhaust steam: 7 to 40 psig
Number of stages: 5 rateau
Speed: 5722 rpm
Inlet size: 8" Class 400
Exhaust size: 24" down
Rotation: CW (facing Governor end)
KW Steam flows steam conditions
3000 kw 78,300 lbs/hr 280 psi/500 deg F to 25 psig

Gear Reducer: Westech model 11908
5723 rpm to 1800 rpm, Ratio 3.179:1

GENERATOR:

Manufacture/Type: Electric Machinery, TEWAC
Rating: 4824 kva, 4160/2400 v, 0.8 pf
Serial number: 184349301
Exciter: PMG , brushless type
Speed: 1800 RPM

HISTORY:

Unit built 1985 shutdown 2014

SCOPE OF SUPPLY:

Steam turbine, generator, trip and throttle valve, lube oil system with lube oil tank, lube oil cooler, pumps.
Generator terminal box
Gland steam system
Trisen TS-310 governor
Manuals and drawings

Approximate shipping dimension and weights

Turbine gear generator skid 307" L x 122" W x 133" H 74,900 lbs.
Turbine 15,200 lbs.
Gear Reducer 7,500 lbs.
Generator 28,175 lbs.



NSV Energy, LLC

www.nsvenergy.com



sales@nsvenergy.com

908-421-4139