



10,000 KW Back pressure steam turbine generator set

TURBINE:

11900 kw Dresser-Rand (Turbodyne) multi valve, multi stage backpressure steam turbine, 3600 rpm,
Serial number: 35136
Inlet steam 390 psig, 650 deg f (maximum 400 psig/750 deg f), maximum flow 234,000 lbs/hr
Exhaust: 20 psig
Steam rate: 20 to 21 lbs/kwh, 210,000 lbs/hr at 10,000 kw
Normal rating: 10,000 kw
CW rotation looking from governor end
Woodward UG40 governor
Inlet size: 12" class 600, Exhaust: 30" class 150 bottom
Number of stages: 11
Turning gear

GENERATOR:

EM 14875 kva, 11900 kw, 13800 v, 3 phase, 60 hz. TEWAC, 3600 rpm, 0.8 pf, field volts 125, field amps 12, Brushless exciter, serial number: 178295601

HISTORY:

Unit manufactured 1979
Unit installed: 1987
Unit shutdown 2008
Unit is rotated every week, still installed
Last overhaul: 2007

SCOPE OF SUPPLY:

Steam turbine, trip and throttle valve, lube oil system, gland steam condenser, governor, gauge board mounted on common skid
Generator with brushless exciter on skid
Generator terminal box with 3 x surge arresters, 3x capacitors, 3 x 800:5 neutral side ct's
Neutral ground resister
Manual with drawings
3 x 14400:120 fused pts
MCC (to be verified later)
2 x exhaust safety valves
Exhaust pipe (reduced from 30" x 20") u shape around 15 feet long
Special tool: Generator skid pan
2 x EM voltage regulators
Spare parts include Spare UG-40 governor, bearings and other all available spare parts

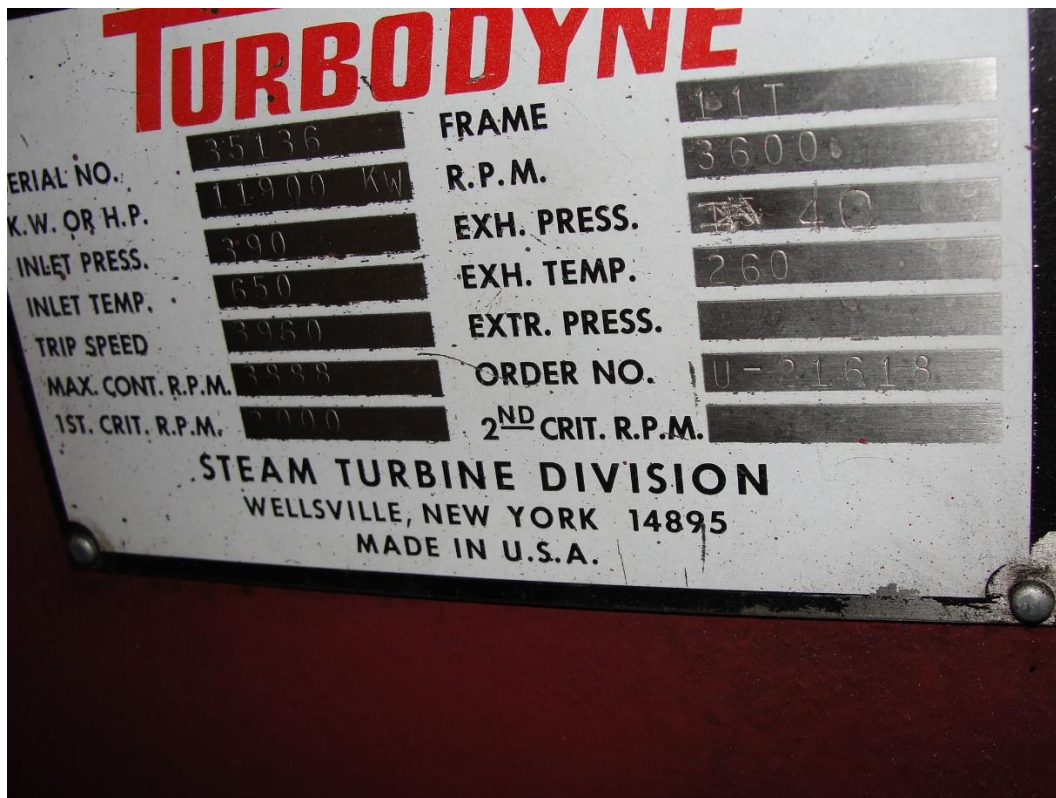
SHIPPING SIZE AND WEIGHT:

Turbine skid: 17' long x 12' 6" Wide x 10' height: 55,000 lbs
Generator skid: 17' Long x 10' wide x 10' height: 110,000 lbs
Parts: One flatbed truck 30,000 lbs.



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