



500 Kw Back pressure steam turbine generator

Steam Turbine:

Elliott type 2DYRUG, HP: 700, Serial number: A802297

Operating Inlet steam: 170 psig/ 376 deg f Maximum: 250 psig/600 deg F, 20,000 lbs/hr

Operating Exhaust steam: 20 psig Maximum: 60 psig, Speed: 4478 rpm, Maximum: 4762 rpm

Single stage unit, Woodward UG40 governor, CCW from Governor end

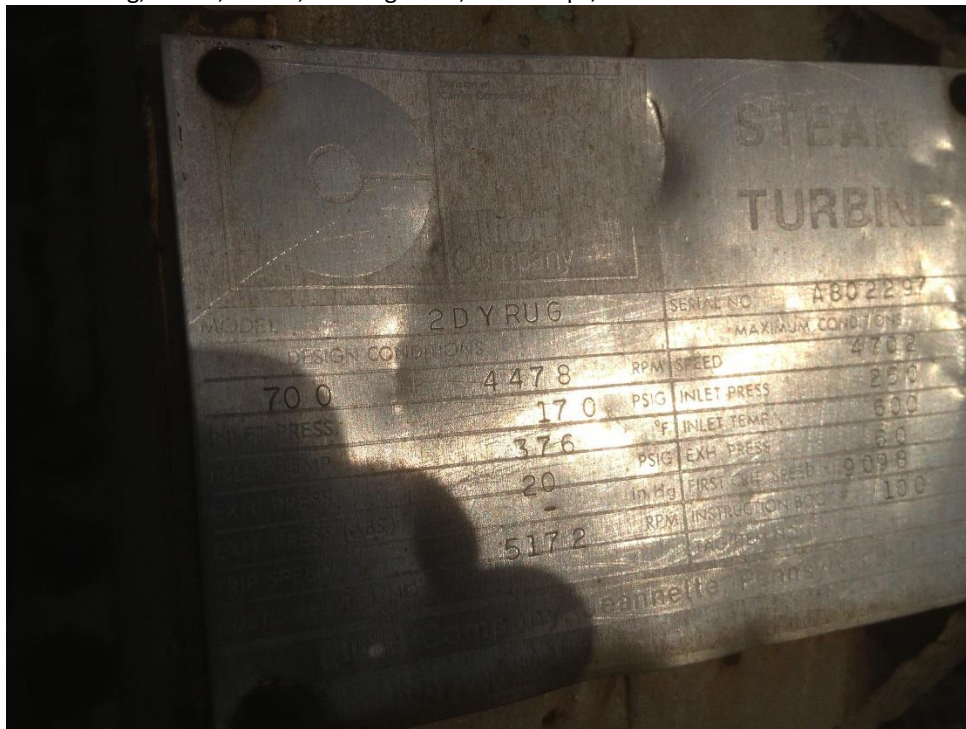
Gear Reducer:

Lufkin 1000 hp, Type G3R4 , Serial number: A8022976 , SF: 1.44, Ratio: 2.487, Speed: 4478/1800 rpm

Generator:

Kato synchronous generator, 1018.75 kva, 815 kw, 1800 rpm, Air cooled, 277/480 v, 3 phases, 60 hz

Two bearing, PF 0.8, 4 wire, 105 deg c rise, 1227 amps, Brushless exciter






KATO REVOLVING FIELD AC GENERATOR

SERIAL NUMBER	CATALOG CODE	MODEL NUMBER	TYPE NUMBER
84342-2	4P6-1600	815-490361121	18602

IMPORTANT: WHEN ORDERING PARTS INCLUDE SERIAL AND TYPE NUMBERS.

ALTERNATOR				EXCITER	
KW CONT.	KW STANDBY	PHASE	HZ	EXC. ARM. "C" NUMBER	EXC. FLD. "C" NUMBER
815		3	60	18006-20	
KVA CONT.	KVA STANDBY	P.F.	RPM	EXC. FLD. AMPS	EXC. FLD. VOLTS
1018.75		.8	1800	5.6	50
VOLTAGE		GEN. FLD. VOLTS			
277/480					
AMPERES		GEN. FLD. AMPS			
1227					
CONT. DUTY TEMP. RISE	STANDBY DUTY TEMP. RISE	DESIGN AMB.	INSUL. CLASS	WIRE	BRUSHLESS
105R °C	°C	40 °C	F	4	

KATO Engineering
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