



4000 kw Solar Cogeneration Power plant

Gas Turbine:

Model number: Solar Centaur 50 version 5701
Rating Gas/Oil: 4138/4060 KW (ISO)
Fuel: Natural gas/oil
Emission control: Water injected to 40 ppm NOx
Heat rate: 12,686 btu/kwh site rating 3728 kw natural gas
12,637 btu/kwh site rating 3635 kw liquid fuel
Fuel consumption: 54.30 cfm natural gas 203.9 psig, HHV 986 btu/scf
5.78 gpm liquid fuel , LHV 18,442 btu/lb

Generator:

Model number: KATO A255800000 Continuous rating brushless type, air cooled
Catalogue number: 4P7-3800
Serial number: 99317-02
KW/KVA : 4250 kw/5312.5 kva
Voltage: 4160 v, 3 phase, 60 hz, 0.8 PF
Speed: 1800 rpm

HRSO:

Model number: ERI Unfired S2-1816 with economizer
Operating Pressure: 150 psig
Design pressure: 250 psig
Capacity: 23.900 lbs/hr
Feed water temperature: 228 deg f
Serial number: W-2948

History:

Year Installed 1992, Last overhaul 2013, package hours 163,659 package starts 830 since last over haul and engine change 2013 has only 297 hours, 97 starts.

Scope of supply:

Gas turbine generator skid
Donaldson pulse self-cleaning air inlet filter system
Generator air inlet and exhaust duct
Hrsg with divert damper and bypass stack, economizer, exhaust stack
Lube oil cooler
Neutral ground resistor
Turbine control panel
Gas compressor 50 psig to 225 psig with 150 hp motor

Generator breaker and control panel not included.

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