

1300 KW COGENERATION POWER PLANT

GAS TURBINE:

Kawasaki Model MIA-13D

Iso rating: 1500 kw

Speed: 22000 rpm

Serial No. KHI-5420020

Fuel: Natural gas LHV 9940 kcal/Nm³, density 0.8353 kg/Nm³

Fuel consumption: 505 Nm³/h, 0.117 kg/sec (17.71 MMBTU/h, 6,512,258 SCFH)

Gear reducer 22000/1800 rpm

NO_x < 25 ppm

CO < 50 ppm

GENERATOR:

Newage model HVSI 824C2

Rating: 1875 kva, 12470 v-13800 v, 3 phase, 60 hz

Speed 1800 rpm, air cooled

HRSG:

Nebraska type S11414

Steam flow: 10,500 PPH

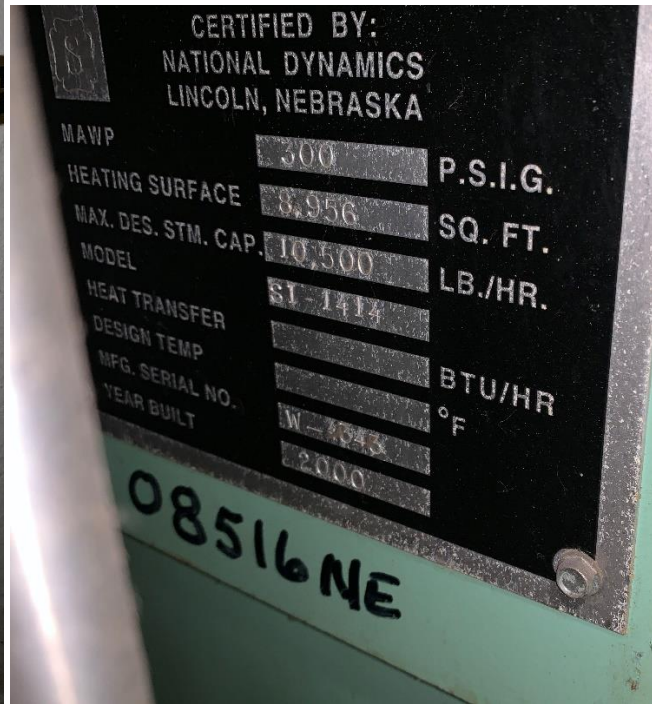
Steam design pressure 300 psig, operating pressure 250 psig/

Gas compressor 50 psig to 300 psig

History: Built 2001 shutdown 2003, Total hours 16,228 ,Total starts 89, Hours after engine change 5,746, starts 29.

Complete indoor enclosed unit with Donaldson Inlet air system, by pas stack, exhaust stack, fuel gas with gas compressor system, turbine control system, generator control system, Hydraulic start system. HRSG with economizer, water purifier with boiler feed water pump., generator breaker, NGR.





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