

Section 4.0 Expected Performance

Las Morochas (1)
LM2500

Site Elevation 3 Feet
Design Temperature 85 F
Relative Humidity 75%

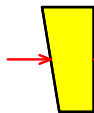
Simple Cycle

ID GTPRO 127

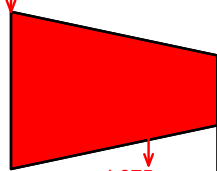
	LM2500 PE	
	Gas Fuel	Liquid Fuel
Gross Power KW	20563	20641
Net Power KW	20241	20268
Aux & Losses KW	321.6	373.6
LHV Gross Heat Rate (BTU/kWh)	9546	9608
LHV Net Heat Rate (BTU/kWh)	9698	9785
LHV Gross Electric Eff %	35.74	35.52
LHV Net Electric Eff %	35.18	34.87
LHV Fuel (kBTU/h)	196303	198319
HHV Fuel (kBTU/h)	217329	211237
Fuel Chemical HHV/LHV Ratio	1.107	1.065
Fuel Gas (KPPH)	9.865	0
Fuel Gas (MMSCFD)	5.06	0.00
Liquid Fuel (KPPH)	0	10.84
Liquid Fuel (GPM)	0.00	25.06

Liquid Fuel GPD	0	15609.6
Liquid Fuel GP (5) Day	0	78048

14.69 p
85 T
75 %RH
505.6 m
3 ft elev.



14.55 p
85 T
505.6 m



4.975 m

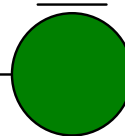
Natural gas 9.865 m
LHV 196303 kBTU/h

77 T

1X GE LM2500PE



20563 kW



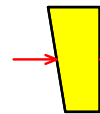
510.5 m

14.88 p
999 T
510.5 M

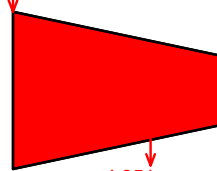
Net Power 20241 kW
LHV Heat Rate 9698 BTU/kWh

73.39 %N2
13.38 %O2
3.244 %CO2
9.097 %H2O
0.8825 %Ar

14.69 p
85 T
75 %RH
505.5 m
3 ft elev.



14.55 p
85 T
505.5 m



4.351 m

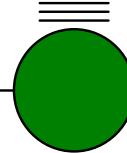
No.2 Distillate 10.84 m
LHV 198319 kBTU/h

77 T

1X GE LM2500PE



20641 kW



512 m

14.88 p
1018 T
512 M

Net Power 20268 kW
LHV Heat Rate 9785 BTU/kWh

74.26 %N₂
13.62 %O₂
4.409 %CO₂
6.81 %H₂O
0.8943 %Ar
0.0095 %SO₂