

Natural Gas Generator Specification Sheet

Manufactures by Simpower LTD Mapleridge B.C. Canada

Simpower Modal # SP850N:SFGLD480

Rating: Continuous Duty

Power Factor 0.8

Kilowatt/KVA 830 K.W. / 975 KVA

D/C Voltage 24 Volts

Overload 10%

Fuel: Natural Gas

R.P.M. 1800

Ambient Temperature 25 C (77 F)

Phase 3

Elevation: 35 M (114.8FT.)

A/C Voltage 277/480

Frequency: 60 Hz.

GENERATOR

Simpower Model: SG1130M / Marathon Model 575RSL-4044

Rated 975 K.W. at 105 Deg. rise, 480V

Class H Insulation (Superior to Class F) per NEMA MG1 22.4 and CSA

Features; - PMG

- Thermistors embedded in the stator windings for alternator overtemp.
- Alternator Space Heater .

ENGINE:

Guascor SFGLD 480

- Block Heaters - Heavy Skid. - Isolator Mounts - Lube Oil Level Control with Low Level Alarm. - Lube Oil Makeup Tank. - Remote Oil Pump for Prelube.

COOLING SYSTEM

- Two Cores , one for main Engine cooling and one for the Intercooler.
- Two Side Mounted Fill / Expansion Tanks with low level Alarms.
- Three Phase Motor Cooling Fan.
- 50 /50 Antifreeze Rated 37' C Protection.

FUEL:

Supply Pressure of Main Fuel Gas 3.5 to 5 PSI.

NOX SYSTEM:

750 USG Aqua Ammonia Tank with 2" fill and Gage.
Muffler / SCR Emissions Control System Critical Grade , Pump, pipe Etc.
Rated Continuous Operation 365 day Year by Washington State Air Pollution Authority.

BATTERIES:

Four (4) 8D – 1100 (210 amp) batteries.
Four (4) High Strength Polyethylene Batteries Boxes w/ Lid.
Remote Continuous Charger.

CIRCUIT BREAKER:

1400 Amp 100% Rated Breaker w/ 1400 amp trip Mounted Inside Enclosure.

ENCLOSURE:

Sound Attenuated Enclosure, Sound Attenuated to approximately 78 db. in a Field Condition.
Three Access Doors, Two for Generator area, And One for Radiator / Ammonia Tank Room.
Three Inch Insulated Walls, Doors, and Ceilings w/ 22 Ga. Perf Lining.