



Engine Information:

Model:	General Motor GM 3.0L	Bore:	4.0 in. (102 mm)
Type:	4 Cycle, 4 Cylinder Inline	Stroke:	3.6 in. (91 mm)
Aspiration:	Natural	Displacement:	181 cu. in. (2.9 liters)
Compression Ratio:	10.5:1		
Emission Control Device:	Naturally Aspirated		

PERFORMANCE DATA	Natural Gas		Propane	
	Standby	Prime	Standby	Prime
Genset Rating (kw) @ 60 Hz	29	26	30	26
BHP @ 1800 RPM (60 Hz)	45.6	41.1	47.1	41.1
Fuel Consumption (SCFH)	421	392	142.8	128.7
Air to Fuel Ratio	17.1:1	17.2:1	15.8:1	15.8:1
Exhaust Gas Flow (CFM)	230	207	217	189
Exhaust Gas Temperature (°F)	1148	1034	1171	1065
EXHAUST EMISSION DATA				
HC (Total Unburned Hydrocarbons)	1.2	1.3	1.0	1.0
NOx (Oxides of Nitrogen as NO2)	7.5	5.8	6.9	5.8
CO (Carbon Monoxide)	5.0	8.0	9.0	8.0
PM10 (Particular Matter)	Negligible	Negligible	Negligible	Negligible
All values are Grams per HP-Hour				

TEST CONDITIONS

Data was recorded during steady-state rated engine speed (± 25 RPM) with full load ($\pm 2\%$). Pressures, temperatures, and emission rates were stabilized.

Fuel Specification:

Natural Gas: Dry processed natural gas with 905 BTU per standard cubic foot LHV
 Propane: Meets the requirements for Commercial Grade Propane under the ASTM D1835 Standard Specification for Liquefied Gases

Fuel Temperature: 60 ± 9 °F at Flow Transmitter

Fuel Pressure: 14.73 PSIA ± 0.5 PSIA at Flow Transmitter

Intake Air Temperature: 77 ± 9 °F at inlet

Barometric Pressure: 29.92 in. Hg ± 1 in. Hg

All emission data is a calculated average of engines tested under the conditions shown above. These data are subjected to instrumentation and engine-to-engine variability. Field emission test data are not guaranteed to these levels. Actual field test results may vary due to test site conditions, installation, fuel specification, test procedures and instrumentation. Engine operation with excessive air intake or exhaust restriction beyond published maximum limits, or with improper maintenance, may result in elevated emission levels.