

G3406 NA

Gas Petroleum Engine 139 ekW Generator Unit

FEATURES

Engine Design

The Cat® G3406 engine is field-proven in thousands of applications worldwide. The robust strength of the diesel design prolongs life and lowers owning and operating costs, and offers a broad operating speed range along with the ability to burn a wide spectrum of gaseous fuels.

Testing

Every engine is full-load tested to ensure proper unit performance.

Oil Supply Tank

The auxiliary engine oil tank supplies the main engine oil tank increasing its capacity and prolonging oil life. The gravity feed system includes an oil level switch that monitors quantity and shuts the engine down in the case of low oil level.

Structural Skid

Engineered with substantial structural integrity while keeping low height and weight. Designed to be portable and to fit standard trailer sizes. Fitted with forklift pockets and tow bars for added convenience.



High Temperature Shutdown

The temperature switch composed of two thermocouples, monitors pre and post catalyst temperatures. Each thermocouple has an adjustable set point that triggers unit shutdown in case excessive temperatures are reached.

Cat Product Link™ (Optional)

Product link gets you accurate, timely and useful information about the location of your unit via cell or satellite.

SPECIFICATIONS

ENGINE

Brake Horse Power	215 bhp
Stroke	6.5 in
Bore	5.4 in
Displacement	14.59 L

Compression Ratio	10.3 :1
Number of Cylinders	6
Cylinder Arrangement	In-Line
Aspiration	Naturally Aspirated

Specific Output	15.8 bhp/L
Weight (Dry)	3000 lb
Engine Speed	1,800 rpm
Oil Change Interval	750 hr

GENERATOR

Make	Marathon
Model	MagnaPlus

Power	139 ekW
Voltage	480 V

Voltage Regulation	< 1/2%
Frequency	60 Hz

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139 kW Generator Unit

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ELECTRICAL DISTRIBUTION

CIRCUIT BREAKER

Voltage	600VAC/250VDC
Poles	3
Amps	400 A

DISTRIBUTION

Load Shed	Available
Paralleling	n/a
Location	Rear

FUEL CONSUMPTION

NATURAL GAS (905 LHV)

100% Load	1877 SCFH
75% Load	1492 SCFH
50% Load	1123 SCFH

PROPANE (WITH PROPANE START OPTION)

100% Load	20.0 gal/hr
75% Load	15.9 gal/hr
50% Load	11.9 gal/hr

EXHAUST DATA

Pipe Diameter	5.0 in
Exit Direction	Upward
Max Temp. (Engine OUT)	1135° F
Exhaust Outlet Height	101 in

EMISSIONS (CATALYST OUT)

NO2	1.0 g/bhp-hr
CO	2.0 g/bhp-hr
THC	0.7 g/bhp-hr

FUEL TRAIN PRESSURE SETTINGS

INLET SIZE

Natural Gas	2 in NPT
Propane	3/8 in NPT

OPTIMAL NATURAL GAS INLET PRESSURE

Minimum	1.5 psi
Maximum	5 psi

PRESSURE RELIEF VALVES

PRV #1	n/a
PRV #2	n/a

ELECTRONICS

Ignition System	Altronic III
Governor Type	Woodward PSG
Controller	EMCP II+
Battery Voltage	24V
Number of Batteries	2

DIMENSIONS

Length	133 in
Height	101 in
Width	54 in

Technical information contained in this document is subject to change without notice.
Data may vary from unit to unit. Unit photo may not depict actual configuration.

LOW LOAD TIME FOR CONTINUOUS APPLICATION

Engine Load	G3300, 3400, 3500		G3600
	NA	TA	TA
Low Idle	1 hr	1 hr	1 hr
20%	8 hr	24 hr	24 hr
40%	24 hr	750 hr	750 hr
60%	100 hr	750+ hr	750+ hr
80%	750+ hr	750+ hr	750+ hr
100%	750+ hr	750+ hr	750+ hr

NOTE: CG-137 falls under the G3400 TA model family.

FOR MORE INFORMATION:

Curtis Nethery

Project Manager - Production Power

(432) 571-4204

curtis.nethery@warrencat.com

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