

G3306B TA

Gas Petroleum Engine 135 ekW Generator Unit

FEATURES

EMCP 4.4

The EMCP 4 controllers feature the reliability and durability you have come to expect from your Cat® equipment. EMCP 4 is a scalable control platform designed to ensure reliable generator set operation, providing extensive information about power output and engine operation. Automatic and manual generator set paralleling is available with the EMCP 4.4.

Gas Train

The uniquely designed gas train is equipped with a rugged gas coalescing filter that not only filters dry particulates but catches incoming liquids. Two pressure regulators protect the engine while maintaining a constant and stable flow and pressure. Two pressure relief valves for added safety. A liquid level switch that will shutdown the unit in the case of high accumulation of liquids in the coalescing filter. An automatic drain valve that allows for a constant yet controlled drain of liquids in the coalescer.

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.



Trailer

The unit is mounted on a rugged 15' X 83" trailer. The unit is height compliant and will not need special road permitting.

Exhaust System

Specifically designed for the engine model, the exhaust system lowers emissions to fall beneath regulatory limits. The muffler was chosen to lower sound level while creating the least amount of back pressure.

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	203 bhp	Compression Ratio	8.0:1	Specific Output	19.3 bhp/L
Stroke	6 in	Number of Cylinders	6	Weight (Dry)	2450 lb
Bore	4.8 in	Cylinder Arrangement	In-Line	Engine Speed	1,800 rpm
Displacement	10.5 L	Aspiration	Turbocharged-Aftercooled	Oil Change Interval	750 hr

GENERATOR

Make	Cat	Power	135 ekW	Voltage Regulation	< 1/2%
Model	SR4B	Voltage	480 V	Frequency	60 Hz

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135 kW Generator Unit

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ELECTRICAL DISTRIBUTION

CIRCUIT BREAKER

Voltage	600VAC/250VDC
Poles	3
Amps	250 A

DISTRIBUTION

Load Shed	Available
Paralleling	Capable
Location	Rear

FUEL CONSUMPTION

NATURAL GAS (905 LHV)

100% Load	1831 SCFH
75% Load	1420 SCFH
50% Load	1060 SCFH

PROPANE (WITH PROPANE START OPTION)

100% Load	19.5 gal/hr
75% Load	15.1 gal/hr
50% Load	11.3 gal/hr

EXHAUST DATA

Pipe Diameter	4.0 in
Exit Direction	Upward
Max Temp. (Engine OUT)	1068° F
Exhaust Outlet Height	111 in*

EMISSIONS (CATALYST OUT)

NO2	0.5 g/bhp-hr
CO	2.0 g/bhp-hr
THC	1.05 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	35 psi
Maximum	160 psi

PRESSURE RELIEF VALVES

PRV #1	150 psi
PRV #2	50 psi

ELECTRONICS

Ignition System	ADEM A4
Governor Type	ADEM A4
Controller	EMCP 4.4
Battery Voltage	24V
Number of Batteries	2

DIMENSIONS

Length	225 in*
Height	111 in*
Width	105 in*
Weight	8100 lb

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.
*Trailer dimensions included.

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:

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