

Optional Equipment

Generator

- Excitation: [] Permanent Magnet Excited (PM)
- Oversize and premium generators
- Anti Condensation heater

Starting/Charging

- Battery charger – UL Listed 10 amp
- Jacket water heater
- Battery heater
- Lube oil sump heater

General

- UL 2200 Listed
- CSA Certified
- Enclosures: sound attenuated, weather protective
- Automatic transfer switches (ATS)
- Suitable for Use as Service Equipment (SUSE)

DG60-2

57 ekW/ 71.3 kVA/ 60 Hz/ 1800 rpm/ 480V, 208V/ 0.8 Power Factor



Rating Type: STANDBY

Emissions: U.S. EPA Certified for Stationary Emergency Application



DG60-2

57ekW / 71.3kVA

60 Hz/ 1800 rpm/ 480V, 208V

Image shown may not reflect actual configuration

Package Performance

Fuel	Natural Gas	LP Vapor
Generator Set Power Rating with Fan @ 0.8 Power Factor	57 ekW	57 ekW
Generator Set Power Rating	71.3 kVA	71.3 kVA

Fuel Consumption with Natural Gas

100% Load With Fan	21.9 m ³ /hr	774 ft ³ /hr
75% Load With Fan	19.9 m ³ /hr	703 ft ³ /hr
50% Load With Fan	15.7 m ³ /hr	555 ft ³ /hr

Fuel Consumption with LP Vapor

100% Load With Fan	8.7 m ³ /hr	309 ft ³ /hr
75% Load With Fan	7.7 m ³ /hr	273 ft ³ /hr
50% Load With Fan	6.1 m ³ /hr	215 ft ³ /hr

Cooling System¹

Engine Coolant Capacity	7.8 L	2.1 gal
Radiator Coolant Capacity	8.8 L	2.3 gal
Engine Coolant Capacity with Radiator/Exp Tank	16.6 L	4.4 gal
Air Flow Restriction (System)	0.12 kPa	0.48 in. water

Inlet Air

Combustion Air Inlet Flow Rate	4.9 m ³ /min	173 cfm
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Exhaust System		
Exhaust Stack Gas Temperature	715°C	1319°F
Exhaust Gas Flow Rate	15.8 m ³ /min	553 cfm
Exhaust System Backpressure (maximum allowable)	10.2 kPa	40.9 in. water

Heat Rejection	480V	208V
Heat Rejection to Coolant (total)	54.9 kW, 3120 Btu/min	
Heat Rejection to Atmosphere from Generator	5.7 kW, 324 Btu/min	4.8 kW, 273 Btu/min

Alternator ²	480V	208V
Motor Starting Capability @ 30% Voltage Dip	157 skVA	168 skVA
Frame	LC1514P	LC3114D
Temperature Rise	130°C, 234°F	105°C, 221°F
Excitation	Self Excited	

Lube System		
Sump Refill with Filter	4.7 L	1.24 gal

Emissions (Nominal) ³	
NO _x + HC	13.4 g/kW-hr
CO	519 g/kW-hr

¹ For ambient and altitude capabilities consult your Cat dealer. Air flow restriction (system) is added to the existing restriction from the factory.

² Generator temperature rise is based on a 40°C (104°F) ambient per NEMA MG1-32.

³ The nominal emissions data shown is subject to environment, instrumentation, measurement, facility and engine to engine variations.

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DEFINITIONS AND CONDITIONS

Applicable Codes and Standards:

CSA C22.2 No 100-04, UL 489, UL 869, UL 2200, NFPA 37, NFPA 70, NFPA 99, NFPA 110, IBC, IEC60034-1, ISO3046, ISO8528, NEMA MG 1-22, NEMA MG 1-33.

STANDBY: Output available with varying load for the duration of the interruption of the normal source power. Average power output is 70% of the standby power rating. Typical operation is 200 hours per year, with maximum expected usage of 500 hours per year.

Ratings are based on SAE J1349 standard conditions. These ratings also apply at ISO3046 standard conditions.

Fuel Rates are based on heat values of 1015 BTU/SCF for Natural Gas and 2500 BTU/SFC for Propane Vapor @77°F (25°C) and 328 ft (100m) above sea level.

Additional ratings may be available for specific customer requirements, contact your Cat representative for details.

Genset Ratings are based on ambient temperature of 77°F and elevation of 1200 ft above sea level.

For higher temperatures and elevations the following derate specifications are to be used:

Altitude: Derate 3.0% per every 1000ft (305 m.) above 1200ft (365 m.)

Temperature: Derate 1.0% per 10°F (5.55°C) temperature above 77°F (25°C)

Feature Code: 57LGE03
Generator Arrangement: 467-6051
Date: 12/03/2018
Source Country: U.S.

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The International System of Units (SI) is used in this publication.

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