

**C9**  
**300 ekW/ 375 kVA/ 60 Hz/ 1800 rpm/ 240 V/ 0.8 Power Factor**

Rating Type: **STANDBY**

Fuel Strategy: **LOW FUEL CONSUMPTION**



Image shown may not reflect actual configuration

**C9**

**300 ekW/ 375 kVA**  
**60 Hz/ 1800 rpm/ 240 V**

**Metric**

**English**

**Package Performance**

Genset Power Rating with Fan @ 0.8 Power Factor	300 ekW	
Genset Power Rating	375 kVA	
Aftercooler (Separate Circuit)	N/A	N/A

**Fuel Consumption**

100% Load with Fan	80.4 L/hr	21.2 gal/hr
75% Load with Fan	60.4 L/hr	16.0 gal/hr
50% Load with Fan	42.9 L/hr	11.3 gal/hr
25% Load with Fan	26.6 L/hr	7.0 gal/hr

**Cooling System<sup>1</sup>**

Engine Coolant Capacity	13.9 L	3.7 gal
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**Inlet Air**

Combustion Air Inlet Flow Rate	22.3 m <sup>3</sup> /min	787.6 cfm
Max. Allowable Combustion Air Inlet Temp	48 ° C	118 ° F

**Exhaust System**

Exhaust Stack Gas Temperature	511.1 ° C	952.0 ° F
Exhaust Gas Flow Rate	60.9 m <sup>3</sup> /min	2149.5 cfm
Exhaust System Backpressure (Maximum Allowable)	10.0 kPa	40.0 in. water

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#### Heat Rejection

Heat Rejection to Jacket Water	133 kW	7573 Btu/min
Heat Rejection to Exhaust (Total)	274 kW	15564 Btu/min
Heat Rejection to Aftercooler	74 kW	4214 Btu/min
Heat Rejection to Atmosphere from Engine	31 kW	1742 Btu/min
Heat Rejection to Atmosphere from Generator	22 kW	1245 Btu/min

#### Alternator<sup>2</sup>

Motor Starting Capability @ 30% Voltage Dip	816 skVA
Current	902 amps
Frame Size	LC5034J
Excitation	PM
Temperature Rise	150 ° C

#### Emissions (Nominal)<sup>3</sup>

NOx	2831.3 mg/Nm <sup>3</sup>	6.0 g/hp-hr
CO	429.6 mg/Nm <sup>3</sup>	0.9 g/hp-hr
HC	18.0 mg/Nm <sup>3</sup>	0.0 g/hp-hr
PM	14.6 mg/Nm <sup>3</sup>	0.0 g/hp-hr

## DEFINITIONS AND CONDITIONS

1. For ambient and altitude capabilities consult your Cat dealer. Air flow restriction (system) is added to existing restriction from factory.
2. UL 2200 Listed packages may have oversized generators with a different temperature rise and motor starting characteristics. Generator temperature rise is based on a 40° C ambient per NEMA MG1-32.
3. Emissions data measurement procedures are consistent with those described in EPA CFR 40 Part 89, Subpart D & E and ISO8178-1 for measuring HC, CO, PM, NOx. Data shown is based on steady state operating conditions of 77° F, 28.42 in HG and number 2 diesel fuel with 35° API and LHV of 18,390 btu/lb. The nominal emissions data shown is subject to instrumentation, measurement, facility and engine to engine variations. Emissions data is based on 100% load and thus cannot be used to compare to EPA regulations which use values based on a weighted cycle.

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**Applicable Codes and Standards:**

AS1359, CSA C22.2 No100-04, UL142, UL489, UL869, UL2200,  
NFPA37, NFPA70, NFPA99, NFPA110, IBC, IEC60034-1, ISO3046, ISO8528,  
NEMA MG1-22, NEMA MG1-33, 2006/95/EC, 2006/42/EC, 2004/108/EC.

Note: Codes may not be available in all model configurations. Please consult your local Cat Dealer representative for availability.

**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 fuel oil of 35° API [16° C (60° F)] gravity having an LHV of 42 780 kJ/kg (18,390 Btu/lb) when used at 29° C (85° F) and weighing 838.9 g/liter (7.001 lbs/U.S. gal.). Additional ratings may be available for specific customer requirements, contact your Cat representative for details. For information regarding Low Sulfur fuel and Biodiesel capability, please consult your Cat dealer.

[www.Cat-ElectricPower.com](http://www.Cat-ElectricPower.com)

Performance No.: EM0882-00

Feature Code: C09DE4R

Generator Arrangement: 4710798

Date: 03/05/2016

Source Country: CHINA

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