

C32

1000 ekW/ 1250 kVA/ 50 Hz/ 1500 rpm/ 400 V/ 0.8 Power Factor

Rating Type: STANDBY

Fuel Strategy: LOW FUEL CONSUMPTION



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1000 ekW/ 1250 kVA  
50 Hz/ 1500 rpm/ 400 V

Image shown may not reflect actual configuration

**Metric English**

Package Performance		
Genset Power Rating with Fan @ 0.8 Power Factor	1000 ekW	
Genset Power Rating	1250 kVA	
Aftercooler (Separate Circuit)	N/A	N/A

Fuel Consumption		
100% Load with Fan	252.3 L/hr	66.7 gal/hr
75% Load with Fan	185.5 L/hr	49.0 gal/hr
50% Load with Fan	128.4 L/hr	33.9 gal/hr
25% Load with Fan	75.0 L/hr	19.8 gal/hr

Cooling System <sup>1</sup>		
Engine Coolant Capacity	N/A	N/A

Inlet Air		
Combustion Air Inlet Flow Rate	74.2 m <sup>3</sup> /min	2619.0 cfm
Max. Allowable Combustion Air Inlet Temp	53 ° C	128 ° F

Exhaust System		
Exhaust Stack Gas Temperature	464.6 ° C	868.3 ° F
Exhaust Gas Flow Rate	192.9 m <sup>3</sup> /min	6812.8 cfm
Exhaust System Backpressure (Maximum Allowable)	6.7 kPa	27.0 in. water



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Heat Rejection		
Heat Rejection to Jacket Water	340 kW	19353 Btu/min
Heat Rejection to Exhaust (Total)	871 kW	49555 Btu/min
Heat Rejection to Aftercooler	241 kW	13691 Btu/min
Heat Rejection to Atmosphere from Engine	139 kW	7891 Btu/min
Heat Rejection to Atmosphere from Generator	52 kW	2929 Btu/min

Alternator <sup>2</sup>	
Motor Starting Capability @ 30% Voltage Dip	2883 skVA
Current	1804 amps
Frame Size	1424
Excitation	IE
Temperature Rise	150 ° C

Emissions (Nominal) <sup>3</sup>		
NOx	2928.1 mg/Nm <sup>3</sup>	5.8 g/hp-hr
CO	229.6 mg/Nm <sup>3</sup>	0.5 g/hp-hr
HC	5.7 mg/Nm <sup>3</sup>	0.0 g/hp-hr
PM	11.9 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.: EM0679-00

Feature Code: C32DR44

Generator Arrangement: 4326122

Date: 07/19/2017

Source Country: U.S.

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