





C18

572 ekW/ 715 kVA/ 50 Hz/ 1500 rpm/ 400 V/ 0.8 Power Factor

Rating Type: STANDBY

Fuel Strategy: LOW FUEL CONSUMPTION

Heat Rejection		
Heat Rejection to Jacket Water	181 kW	10278 Btu/min
Heat Rejection to Exhaust (Total)	548 kW	31158 Btu/min
Heat Rejection to Aftercooler	109 kW	6196 Btu/min
Heat Rejection to Atmosphere from Engine	90 kW	5120 Btu/min
Heat Rejection to Atmosphere from Generator	31 kW	1769 Btu/min

Alternator <sup>2</sup>	
Motor Starting Capability @ 30% Voltage Dip	2064 skVA
Current	1032 amps
Frame Size	A3355L4
Excitation	SE
Temperature Rise	150 ° C

Emissions (Nominal) <sup>3</sup>		
NOx	2982.3 mg/Nm <sup>3</sup>	6.1 g/hp-hr
CO	347.9 mg/Nm <sup>3</sup>	0.7 g/hp-hr
HC	3.8 mg/Nm <sup>3</sup>	0.0 g/hp-hr
PM	8.7 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.: EM1390-00

Feature Code: C18DEAP

Generator Arrangement: 5027420

Date: 07/27/2017

Source Country: U.K.

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