

Cat® D60 GC

Diesel Generator Sets



Standby : 60 Hz



Image shown might not reflect actual configuration.

Engine Model	Cat® C4.4 In-line 4, 4-cycle diesel
Bore x Stroke	105 mm x 127 mm (4.1 in x 5.0 in)
Displacement	4.4 L (269 in ³)
Compression Ratio	16.7:1
Aspiration	Turbocharged
Fuel Injection System	Common Rail

Model	Standby	Emission Strategy
D60 GC	60 ekW	EPA TIER III

PACKAGE PERFORMANCE

Performance	Standby	
	3-Phase	1-Phase
Frequency	60 Hz	60 Hz
Genset Power Rating	75 kVA	60 kVA
Genset power rating with fan, 3p@ 0.8 & 1p@1.0 power factor	60 ekW	60 ekW
Performance Number	P4506A	P3468A
Fuel Consumption		
100% load with fan, L/hr (gal/hr)	16.3 (4.3)	15.9 (4.2)
75% load with fan, L/hr (gal/hr)	12.4 (3.3)	12.0 (3.2)
50% load with fan, L/hr (gal/hr)	9.0 (2.4)	8.7 (2.3)
Cooling System¹		
Radiator air flow restriction (system), kPa (in. Water)	0.12 (0.48)	
Engine coolant capacity, L (gal)	7.0 (1.8)	9.5 (2.5)
Radiator coolant capacity, L (gal)	9.5 (2.5)	7.0 (1.8)
Total coolant capacity, L (gal)	16.5 (4.3)	16.5 (4.3)
Inlet Air		
Combustion air inlet flow rate, m ³ /min (cfm)	6.17 (218)	6.2 (218)
Max. Allowable Combustion Air Inlet Temp, °C (°F)	45 (113)	
Exhaust System		
Exhaust stack gas temperature, °C (°F)	644 (1191)	644 (1191)
Exhaust gas flow rate, m ³ /min (cfm)	14.5 (512)	14.5 (512)
Exhaust system backpressure (maximum allowable) kPa (in. water)	15.0 (60.2)	15.0 (60.2)
Heat Rejection		
Heat rejection to exhaust (total) kW (Btu/min)	66.9 (3805)	66.9 (3805)
Heat rejection to atmosphere from engine, kW (Btu/min)	11.9 (677)	11.9 (677)
Emissions (Nominal)²		
NOx + HC, g/kW-hr	4.33	4.33
CO, g/kW-hr	1.15	1.15
PM, g/kW-hr	0.18	0.18

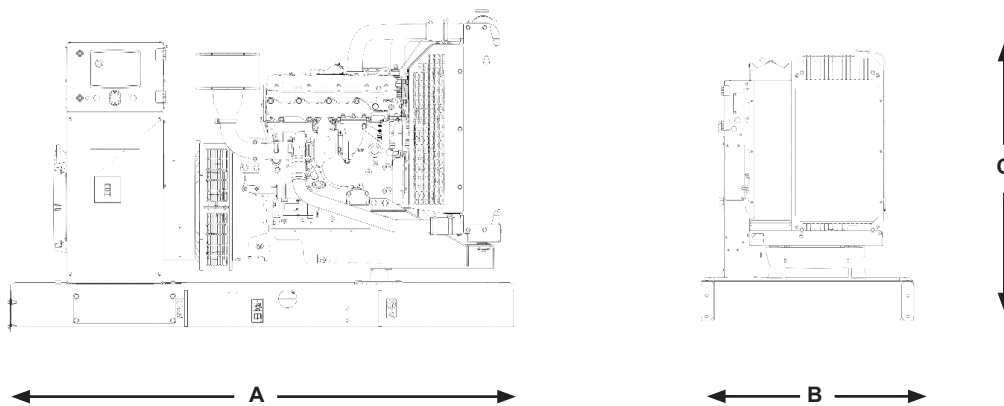
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Electric Power



Alternator ³				
Voltages	480V	208V	600V	240V
Motor starting capability @ 30% Voltage Dip, skVA	133	111	276	182
Current Amps	90	208	72	250
Frame Size	M1775L4	M2233L4	M2233L4	M2235L4
Excitation	SE	SE	AREP	SE
Temperature Rise, °C	130	105	105	105

WEIGHTS & DIMENSIONS



Dim "A" mm (in)	Dim "B" mm (in)	Dim "C" mm (in)	Dry Weight kg (lb)
1962 (77.2)	1100 (43.3)	1220 (48.0)	932 (2054)

Note: General configuration not to be used for installation. See general dimension drawings for detail.

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.

PRIME: Output available with varying load for an unlimited time. Average power output is 70% of the prime power rating. Typical peak demand is 100% of prime rated kW with 10% overload capability for emergency use for a maximum of 1 hour in 12. Overload operation cannot exceed 25 hours per year.

RATINGS: Ratings are based on SAE J1349 standard conditions. These ratings also apply to ISO3046 standard conditions.

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 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.

³ 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.

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LEHE2661-03 (06/22)

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