Cat® C4.4
Diesel Generator Sets

Image shown may not reflect actual configuration

Engine Model	Cat® C4.4 In-line 4, 4-cycle Diesel
Bore x Stroke	105 mm x 127 mm (4.13 in x 5.0 in)
Displacement	4.4 L (268.5 in³)
Compression Ratio	16.7:1
Aspiration	Turbocharged
Fuel Injection System	Common Rail
Governor	Electronic

Model	Standby	Prime	Emissions Strategy
D60-4LC	60 ekW, 75kVA	55 ekW, 68.8 kVA	U.S. EPA Certified for Stationary Emergency Application (Tier 3 Nonroad Equivalent Emission Standards)

PACKAGE PERFORMANCE

Performance	Standby	Prime
Frequency	60 Hz	60 Hz
Genset power rating, ekW (3-Phase / 1-Phase)	60 / 60	55 / 55
Genset power rating, kVA (3-Phase / 1-Phase)	75 / 60	68.8 / 55
Performance number	P4506A	P4506C
Fuel Consumption		
100% load with fan, L/hr (gal/hr)	18.9 (5.0)	18.1 (4.8)
75% load with fan, L/hr (gal/hr)	16.1 (4.2)	15.2 (4.3)
50% load with fan, L/hr (gal/hr)	12.3 (3.3)	11.6 (3.1)
Cooling System[1]		
Radiator air flow restriction (system), kPa (in water)	0.12 (0.48)	0.12 (0.48)
Engine coolant capacity, L (gal)	7 (1.8)	7 (1.8)
Radiator coolant capacity, L (gal)	9.5 (2.5)	9.5 (2.5)
Total coolant capacity, L (gal)	16.5 (4.4)	16.5 (4.4)
Inlet Air		
Combustion air inlet flow rate, m³/min (CFM)	6.17 (218)	6.02 (212)
Max. allowable combustion air inlet temp, °C (°F)	50 (122)	50 (122)
Exhaust System		
Exhaust stack gas temperature, °C (°F)	522 (972)	501 (933)
Exhaust gas flow rate, m³/min (CFM)	14.48 (511)	13.9 (491)
Exhaust system backpressure (maximum allowable), kPa (in. water)	15 (60.2)	15 (60.2)
Heat Rejection		
Heat rejection to coolant, kW (BTU/min)	47.1 (2672)	43.7 (2485)
Heat rejection to exhaust (total), kW (BTU/min)	66.9 (3805)	62 (3525)
Heat rejection to atmosphere from engine, kW (BTU/min)	11.9 (676)	11.2 (636)

Alternator[3]											
Duty Cycle		Standby					Prime				
Phase		3-Phase				1-Phase	3-Phase				1-Phase
Voltages, V		208/120	240/120	480/277	600/347	240/120	208/120	240/120	480/277	600/347	240/120
Current, Amps		208	180	90	72	250	191	165	83	66	229
Frame: LC1524P Excitation: AREP	Temperature Rise @ 40°C				125					125	
	Motor Starting Capability @ 30% Voltage Dip, skVA				182					182	
Frame: LC3124D Excitation: REP	Temperature Rise @ 40°C				80					80	
	Motor Starting Capability @ 30% Voltage Dip, skVA				258					258	
Frame: LC1514P Excitation: SE	Temperature Rise @ 40°C			125					125		
	Motor Starting Capability @ 30% Voltage Dip, skVA			157					157		
Frame: LC3114D Excitation: SE	Temperature Rise @ 40°C	80	80	80			80	80	80		
	Motor Starting Capability @ 30% Voltage Dip, skVA	168	168	215			168	168	215		
Frame: LC3114F Excitation: SE	Temperature Rise @ 40°C	80	80				80	80			
	Motor Starting Capability @ 30% Voltage Dip, skVA	219	219				219	219			
Frame: LCB3114D Excitation: SE	Temperature Rise @ 40°C					80					80
	Motor Starting Capability @ 30% Voltage Dip, skVA					182					182

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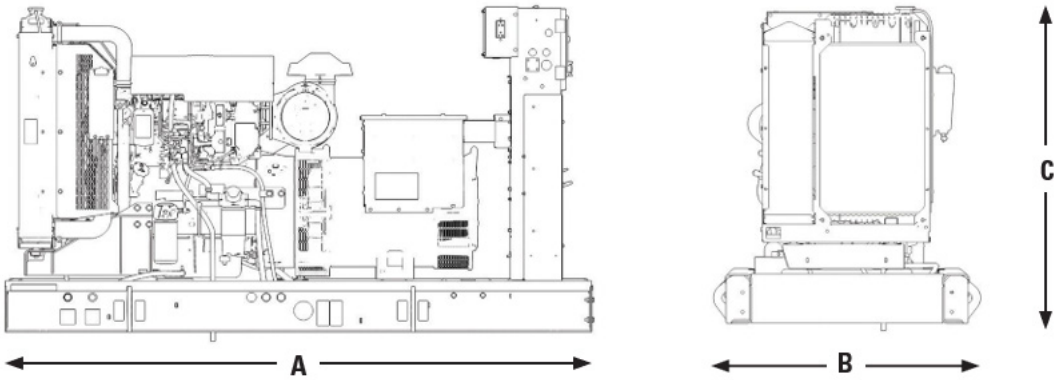
Electric Power

WEIGHTS & DIMENSIONS



Length "A" mm (in)	Width "B" mm (in)	Height "C" mm (in)	Dry Weight kg (lb)
1972 (77.6)	1000 (39.4)	1175 (46.3)	1017 (2244)

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

APPLICABLE CODES AND STANDARDS:

CSA C22.2 No 100-04, UL142, UL489, UL869, cUL/UL2200, NFPA 37, NFPA 70, NFPA 99,NFPA 110, IBC, IEC60034-1, ISO 3046, ISO 8528, NEMA MG 1-33.

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 ekW 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 at ISO 3046 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] 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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