

# 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 (4.1 in x 5.0 in)   |
| Displacement          | 4.4 L (269 in³)                     |
| Compression Ratio     | 16.7:1                              |
| Aspiration            | Turbocharged                        |
| Fuel Injection System | Common Rail                         |

| Model | Standby | Prime  | Emissions Strategy |
|-------|---------|--------|--------------------|
| C4.4  | 60 ekW  | 55 ekW | EPA TIER III       |

### PACKAGE PERFORMANCE

| Performance   | Standby     |             | Prime        |             |
|---|-------------|-------------|--------------|-------------|
|   | 3-Phase     | 1-Phase     | 3-Phase      | 1-Phase     |
| Genset power rating   | 75 kVA      | 60 kVA      | 67 kVA       | 55 kVA      |
| Genset power rating with fan @ 0.8 and 1.0 pf                   | 60 ekW      | 60 ekW      | 55 ekW       | 55 ekW      |
| Performance number  | P4506A      | P3468A      | P4506P       | P4506C      |
| <b>Fuel Consumption</b>   |             |             |              |             |
| 100% load with fan, L/hr (gal/hr)                               | 16.3 (4.3)  | 15.9 (4.2)  | 16.3 (4.3)   | 14.2 (3.8)  |
| 75% load with fan, L/hr (gal/hr)                                | 12.4 (3.3)  | 12.0 (3.2)  | 12.4 (3.3)   | 10.9 (2.9)  |
| 50% load with fan, L/hr (gal/hr)                                | 9.0 (2.4)   | 8.7 (2.3)   | 9.0 (2.4)    | 8.0 (2.1)   |
| <b>Cooling System<sup>1</sup></b>                               |             |             |              |             |
| Radiator air flow restriction (system), kPa (in. water)         | 0.12 (0.48) | 0.12 (0.48) | 0.12 (0.48)  | 0.12 (0.48) |
| Engine coolant capacity, L (gal)                                | 7.0 (1.8)   | 9.5 (2.5)   | 7.0 (1.8)    | 9.5 (2.5)   |
| Radiator coolant capacity, L (gal)                              | 9.5 (2.5)   | 7.0 (1.8)   | 9.5 (2.5)    | 7.0 (1.8)   |
| Total coolant capacity, L (gal)                                 | 16.5 (4.3)  | 16.5 (4.3)  | 16.5 (4.3)   | 16.5 (4.3)  |
| <b>Inlet Air</b>  |             |             |              |             |
| Combustion air inlet flow rate, m³/min (CFM)                    | 6.17 (218)  | 6.2 (218)   | 6.02 (212)   | 6.0 (213)   |
| Max. allowable combustion air inlet temp, °C (°F)               | 45 (113)    | 45 (113)    | 45 (113)     | 45 (113)    |
| <b>Exhaust System</b>   |             |             |              |             |
| Exhaust stack gas temperature, °C (°F)                          | 644 (1191)  | 644 (1191)  | 616.0 (1126) | 616 (1140)  |
| Exhaust gas flow rate, m³/min (CFM)                             | 14.5 (512)  | 14.5 (512)  | 14.0 (491)   | 13.9 (491)  |
| Exhaust system backpressure (maximum allowable) kPa (in. water) | 15.0 (60.2) | 15.0 (60.2) | 15.0 (60.2)  | 15.0 (60.2) |
| <b>Heat Rejection</b>   |             |             |              |             |
| Heat rejection to exhaust (total) kW (BTU/min)                  | 66.9 (3805) | 66.9 (3805) | 62.0 (3526)  | 62.0 (3526) |
| Heat rejection to atmosphere from engine, kW (BTU/min)          | 11.9 (677)  | 11.9 (677)  | 11.2 (637)   | 11.2 (636)  |
| <b>Emissions (Nominal)<sup>2</sup></b>                          |             |             |              |             |
| NO <sub>x</sub> + HC, g/kW-hr                                   | 4.33        | 4.33        | 4.33         | 4.33        |
| CO, g/kW-hr   | 1.15        | 1.15        | 1.15         | 1.15        |
| PM, g/kW-hr   | 0.18        | 0.18        | 0.18         | 0.18        |

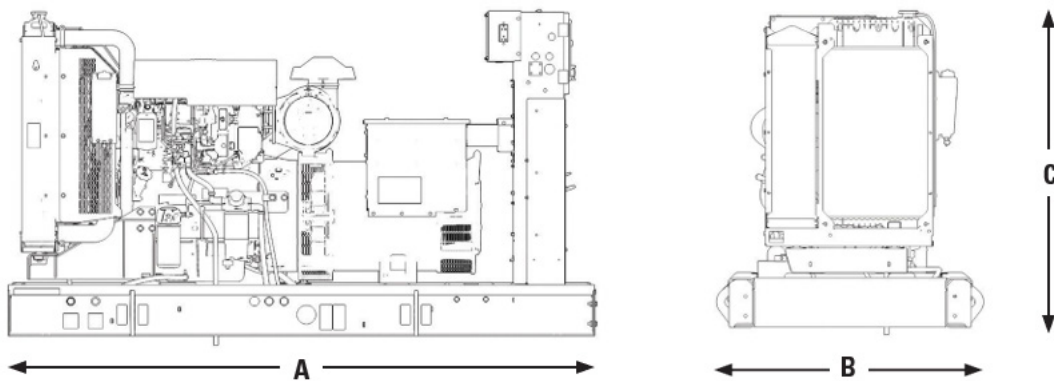
# C4.4 Diesel Generator Sets

## Electric Power



| Alternator <sup>3</sup>                     | Standby      |              |              | Prime        |              |              |
|---|--------------|--------------|--------------|--------------|--------------|--------------|
| Voltages                                    | 208V         | 480V         | 240V         | 208V         | 480V         | 240V         |
| Motor starting capability @ 30% Voltage Dip | 168 skVA     | 157 skVA     | 182 skVA     | 168 skVA     | 157 skVA     | 182 skVA     |
| Frame Size                                  | LC3114D      | LC1514P      | LCB3114D     | LC3114D      | LC1514P      | LCB3114D     |
| Excitation                                  | Self Excited | Self Excited | Self Excited | Self Excited | Self Excited | Self Excited |
| Temperature Rise                            | 105°C        | 130°C        | 105°C        | 105°C        | 125°C        | 80°C         |

## WEIGHTS & DIMENSIONS



| Length "A"<br>mm (in) | Width "B"<br>mm (in) | Height "C"<br>mm (in) | Dry Weight<br>kg (lb) |
|-----------------------|----------------------|-----------------------|-----------------------|
| 1932 (76)             | 1110 (44)            | 1767 (70)             | 1042 (2298)           |

**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, ISO 3046, ISO 8528, 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 at ISO 3046 standard conditions.

### DEFINITIONS AND CONDITIONS

<sup>1</sup> For ambient and altitude capabilities consult your Cat dealer. Air flow restriction (system) is added to existing restriction from factory.

<sup>2</sup> Emissions data measurement procedures are consistent with those described in EPA CFR 40 Part 89, Subpart D & E and ISO 8178-1 for measuring HC, CO, PM, NO<sub>x</sub>. 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.

<sup>3</sup> 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.

[www.cat.com/electricpower](http://www.cat.com/electricpower)

©2026 Caterpillar

All rights reserved.

Materials and specifications are subject to change without notice.

The International System of Units (SI) is used in this publication. CAT, CATERPILLAR, LET'S DO THE WORK, their respective logos, "Caterpillar Corporate Yellow", the "Power Edge" and Cat "Modern Hex" trade dress as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.