

Standby: 60Hz



Image shown might not reflect actual configuration

| | |
|-----------------------|---|
| Engine Model | Cat [®] C7.1 In-line 6, 4-cycle diesel |
| Bore x Stroke | 105 mm x 135 mm (4.1 in x 5.3 in) |
| Displacement | 7.01 L (428 in ³) |
| Compression Ratio | 16.7:1 |
| Aspiration | Turbocharged Air-to-Air-Aftercooled |
| Fuel Injection System | Electronic, Common Rail |
| Governor | Electronic |

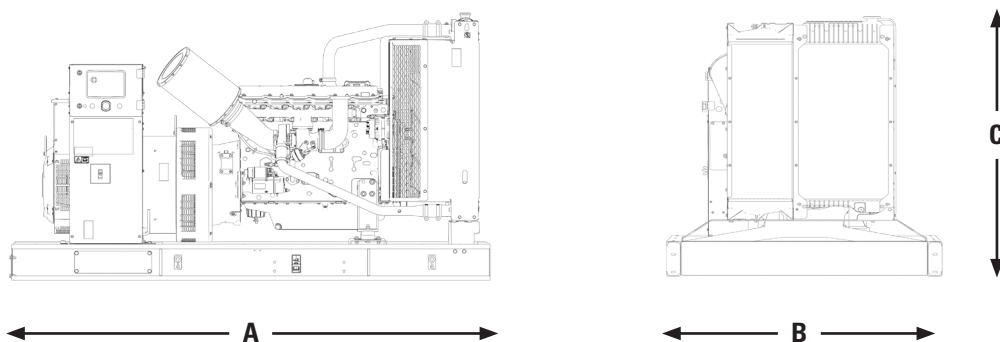
| Model | Standby | Emission Strategy |
|---------|---------|-------------------|
| D150 GC | 150 ekW | EPA TIER III |

PACKAGE PERFORMANCE

| Performance | Standby |
|---|--------------|
| Frequency | 60 Hz |
| Genset Power Rating | 187.5 kVA |
| Genset power rating with fan @ 0.8 power factor | 150 ekW |
| Performance Number | P4390A-00 |
| Fuel Consumption | |
| 100% load with fan, L/hr (gal/hr) | 43.0 (11.3) |
| 75% load with fan, L/hr (gal/hr) | 34.9 (9.2) |
| 50% load with fan, L/hr (gal/hr) | 25.0 (6.6) |
| Cooling System ¹ | |
| Radiator air flow restriction (system), kPa (in. Water) | 0.12 (0.48) |
| Engine coolant capacity, L (gal) | 9.5 (2.5) |
| Radiator coolant capacity, L (gal) | 11.5 (3.0) |
| Total coolant capacity, L (gal) | 21 (5.5) |
| Inlet Air | |
| Combustion air inlet flow rate, m ³ /min (cfm) | 15.3 (540.3) |
| Max. Allowable Combustion Air Inlet Temp, °C (°F) | 51 (124) |
| Exhaust System | |
| Exhaust stack gas temperature, °C (°F) | 441 (825) |
| Exhaust gas flow rate, m ³ /min (cfm) | 31.2 (1102) |
| Exhaust system backpressure (maximum allowable) kPa (in. water) | 15.0 (60.2) |
| Heat Rejection | |
| Heat rejection to exhaust (total) kW (Btu/min) | 132.0 (7496) |
| Heat rejection to aftercooler, kW (Btu/min) | 38.0 (2138) |
| Heat rejection to atmosphere from engine, kW (Btu/min) | 29.0 (1649) |

| Emissions (Nominal) ² | Standby | | |
|---|---------|---------|---------|
| NOx + HC, g/kW-hr | 4.0 | | |
| CO, g/kW-hr | 1.0 | | |
| PM, g/kW-hr | 0.2 | | |
| Alternator ³ | | | |
| Voltages | 480V | 208V | 600V |
| Motor starting capability @ 30% Voltage Dip, skVA | 257 | 280 | 625 |
| Current Amps | 226 | 520 | 180 |
| Frame Size | M2256L4 | M2294L4 | M2275L4 |
| Excitation | SE | SE | AREP |
| Temperature Rise °C | 130 | 105 | 130 |

WEIGHTS & DIMENSIONS



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

| Dim "A" mm (in) | Dim "B" mm (in) | Dim "C" mm (in) | Dry Weight kg (lb) |
|-----------------|-----------------|-----------------|--------------------|
| 2634 (103.7) | 1300 (51.2) | 1402 (52.2) | 1562 (3443) |

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 at 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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