Standby & Prime: 50 Hz

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<th>Model</th>
<th>Standby</th>
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<th>Emission Strategy</th>
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<td>DE715E0</td>
<td>50 Hz</td>
<td>50 Hz</td>
<td>Low BSFC</td>
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<td>715 kVA, 572 ekW</td>
<td>650 kVA, 520 ekW</td>
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**Performance**

- Frequency: 50 Hz, 50 Hz
- Genset Power Rating: 715 kVA, 650 kVA
- Genset power rating with fan @ 0.8 power factor: 572 ekW, 520 ekW

**Fuel Consumption**

- 100% load with fan, L/hr (gal/hr): 144.2 (31.7), 131.4 (28.9)
- 75% load with fan, L/hr (gal/hr): 106.6 (23.5), 97.1 (21.4)
- 50% load with fan, L/hr (gal/hr): 72.2 (15.9), 66.3 (14.6)
- 25% load with fan, L/hr (gal/hr): 40.5 (8.9), 37.5 (8.2)

**Cooling System**

- Radiator air flow restriction (system), kPa (in H₂O): 0.12 (0.48), 0.12 (0.48)
- Radiator air flow, m³/min (cfm): 374 (13207), 374 (13207)
- Engine coolant capacity, L (gal): 20.8 (5.5), 20.8 (5.5)
- Radiator coolant capacity, L (gal): 34 (8.9), 34 (8.9)
- Total coolant capacity, L (gal): 54.8 (14.4), 54.8 (14.4)

**Inlet Air**

- Combustion air inlet flow rate, m³/min (cfm): 37.5 (1325.8), 35.3 (1246.1)
- Max. Allowable Combustion Air Inlet Temp, °C (°F): 51 (124), 49 (119)

**Exhaust System**

- Exhaust stack gas temperature, °C (°F): 568.2 (1054.8), 550.5 (1022.9)
- Exhaust gas flow rate, m³/min (cfm): 110.6 (3906.1), 101.2 (3572.0)
- Exhaust system backpressure (maximum allowable) kPa (in H₂O): 10.0 (40.0), 10.0 (40.0)
- Heat rejection to jacket water, kW (Btu/min): 179 (10181), 165 (9375)
- Heat rejection to exhaust (total) kW (Btu/min): 541 (20791), 487 (27711)
- Heat rejection to aftercooler, kW (Btu/min): 107 (6691), 91 (5192)
- Heat rejection to atmosphere from engine, kW (Btu/min): 89 (5064), 83 (4729)

**Emissions (Nominal)**

- NOx, mg/Nm³ (g/hp-hr): 2889.7 (6.1), 3135.1 (6.2)
- CO, mg/Nm³ (g/hp-hr): 354.8 (0.7), 411.8 (0.8)
- HC, mg/Nm³ (g/hp-hr): 4.3 (0.0), 7.2 (0.0)
- PM, mg/Nm³ (g/hp-hr): 9.4 (0.0), 14.2 (0.0)
APPLICABLE CODES AND STANDARDS:
AS1359, IEC60034-1, ISO3046, ISO8528, NEMA MG1-33, UKCA, CE, EAC.
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 e 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.