

Cat® DE660 GC

Diesel Generator Sets



Standby: 50 Hz



Image shown may not reflect actual configuration.

Engine Model	Cat® C15 In-line 6, 4-cycle Diesel
Bore x Stroke	137 mm x 171 mm (5.4 in x 6.8 in)
Displacement	15.2 L (928 in³)
Compression Ratio	16.1:1
Aspiration	Turbocharged Air-to-Air Aftercooled
Fuel Injection System	EUI
Governor	Electronic ADEM™ A4 - G3 Class* capable

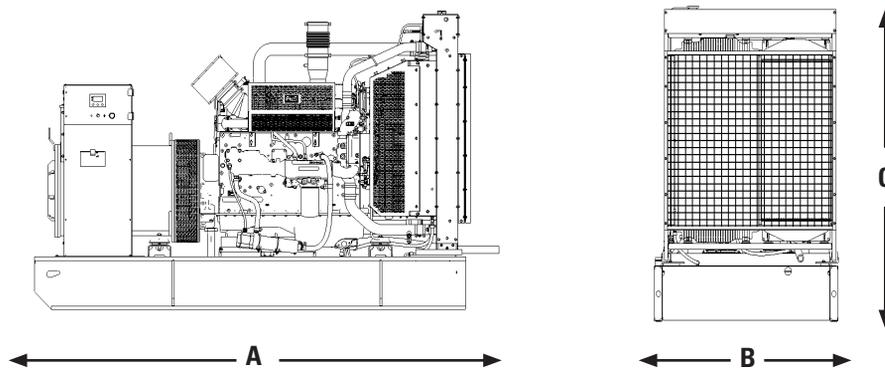
Model	Standby 50 Hz kVA (ekW)	Emission Strategy
DE660 GC	660 (528)	Low BSFC

PACKAGE PERFORMANCE

Performance	Standby
	50 Hz
Genset power rating	660
Genset power rating with fan @ 0.8 PF	528
Emissions	Low BSFC
Performance number	EM5624
Fuel Consumption	
Fuel tank capacity, litres (US gal)	910 (240.4)
100% load with fan, L/hr (gal/hr)	129 (34)
75% load with fan, L/hr (gal/hr)	98 (25.8)
50% load with fan, L/hr (gal/hr)	67.4 (17.8)
Cooling System¹	
Radiator air flow, m³/min (cfm)	477 (16845)
Radiator air flow restriction (system), kPa (in. water)	0.12 (0.5)
Total coolant capacity, L (gal)	48 (12.7)
Inlet Air	
Max. combustion air intake restriction, kPa (in. water)	6.22 (25)
Combustion air inlet flow rate, m³/min (kg/hr)	35.4 (2493)
Exhaust System	
Exhaust stack gas temperature, °C (°F)	539 (1002)
Exhaust gas flow rate, m³/min (CFM)	101.8 (3595)
Exhaust system backpressure (minimum allowable), kPa (in. water)	9 (36)
Exhaust system backpressure (maximum allowable), kPa (in. water)	16.67 (67)
Heat Rejection	
Heat rejection to jacket water, kW (BTU/min)	178 (10123)
Heat rejection to exhaust (total) kW (BTU/min)	488 (27752)
Heat rejection to atmosphere from engine, kW (BTU/min)	39.7 (2258)
Heat rejection to aftercooler, kW (BTU/min)	119 (6767)

Alternator	50 Hz		
	Voltages	380V	415V
Motor starting capability @ 30% Voltage Dip, skVA	1466	1970	1627
Current, amps	918.20	952.63	1002.77
Temperature Rise ² , °C	150		
Frame Size	A3335L41		
Excitation	S.E		

WEIGHTS & DIMENSIONS



Dim "A" mm (in)	Dim "B" mm (in)	Dim "C" mm (in)	Dry Weight kg (lb)
3328 (131.0)	1540 (60.6)	2187 (86.1)	3794 (8364.3)

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

APPLICABLE CODES AND STANDARDS:

AS1359, IEC60034-1, ISO3046, ISO8528, NEMA MG1-33, EAC, CE, UKCA.
 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.

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 Generator temperature rise is based on a 40° C ambient per IEC60034-1.

* Governing Class capability as per ISO-8528-5. Consult your local Cat dealer for configuration and site specific transient performance classification.

LET'S DO THE WORK.™

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