

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 in ³)
Compression Ratio	16.1:1
Aspiration	Turbocharged Air-to-Air Aftercooled
Fuel Injection System	EUI
Governor	Electronic ADEM™ A4

Model	Standby 50 Hz kVA (ekW)	Emission Strategy
DE660 GC	660.0 (528.0)	Low BSFC

PACKAGE PERFORMANCE

Performance	Standby
	50 Hz
Genset power rating	660.0
Genset power rating with fan @ 0.8 power factor	528.0
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)	130.3 (34.4)
75% load with fan, L/hr (gal/hr)	99.0 (26.2)
50% load with fan, L/hr (gal/hr)	68.0 (18.0)
Cooling System¹	
Radiator air flow, m ³ /min (cfm)	477 (16845)
Radiator air flow restriction (system), kPa (in. water)	0.125 (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, m ³ /min (kg/hr)	35.33 (2493)
Exhaust System	
Exhaust stack gas temperature, °C (°F)	539.1 (1002)
Exhaust gas flow rate, m ³ /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)

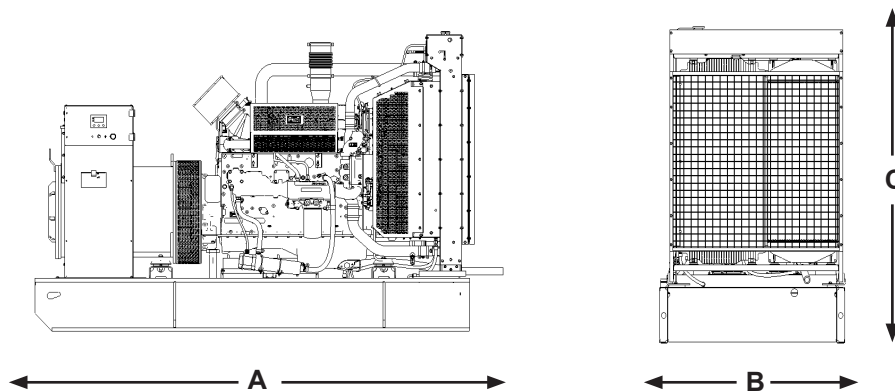
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Electric Power



Alternator ²	50 Hz		
Voltages	380V	415V	400V
Motor starting capability @ 30% Voltage Dip, skVA	1466	1970	1627
Current, amps	918.20	952.63	1002.77
Temperature Rise, °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, NFPA37, NFPA70, NFPA99, NFPA110, IEC 60034-1, ISO 3046, ISO 8528, 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.

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 Generator temperature rise is based on a 27°C ambient per NEMA MG1-32.

LET'S DO THE WORK.™

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