

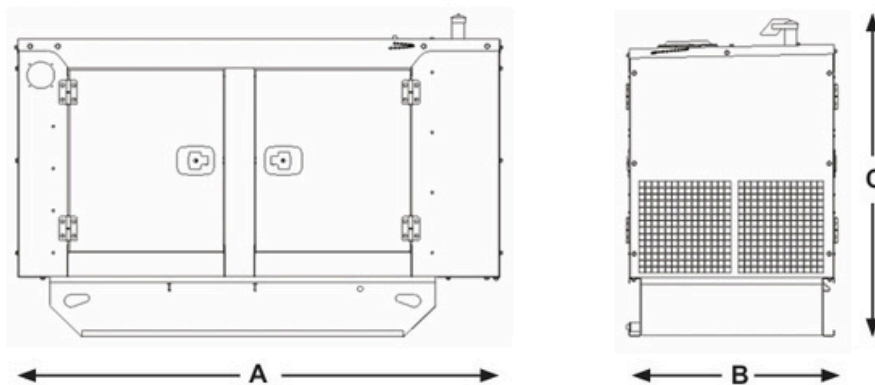
CATERPILLAR GENERATOR SET – C4.4 - 80



Engine Model	Cat® C4.4 Inline 4-stroke Diesel
Bore x Stroke	105.0 mm x 127.0 mm (4.1 in x 5.0 in)
Displacement	4.4 L (268.5 in ³)
Compression Ratio	17.25:1
Aspiration	Turbocharged
Fuel Injection System	Inline
Governor	Mechanical

Model	Standby		Prime (SRR)	Emission Strategy
	50 Hz kVA (ekW)	60 Hz kVA (ekW)	50 Hz kVA (ekW)	
DE88 GC	88 (70.4)	100 (80.0)	79.2 (63.4)	Low BSFC

WEIGHTS & DIMENSIONS



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

Length "A" mm (in)	Width "B" mm (in)	Height "C" mm (in)	Dry Weight* kg (lb)
2275 (89.6)	1099 (43.3)	1465 (57.7)	1245 (2744.8)

PACKAGE PERFORMANCE

Performance	Standby		Prime (SRR)
	50 Hz	60 Hz	50 Hz
Genset power rating	88 kVA	100 kVA	kVA
Genset power rating with fan @ 0.8 power factor	70.4 ekW	80 ekW	3 ekW
Emissions	Low BSFC		
Performance number	P2516B	P2516A	
Fuel Consumption			
Fuel tank capacity, L (gal)	149 (39.4)		
100% load with fan, L/hr (gal/hr)	20.4 (5.4)	23.8 (6.3)	18.0 (4.8)
75% load with fan, L/hr (gal/hr)	15.2 (4.0)	18.0 (4.8)	13.6 (3.6)
50% load with fan, L/hr (gal/hr)	10.5 (2.8)	12.7 (3.4)	9.5 (2.5)
Cooling System¹			
Radiator air flow, m ³ /min (CFM)	121.2 (4280)	140.4 (4958)	121.2 (4280)
Total coolant capacity, L (gal)	13.0 (3.4)		
Inlet Air			
Max. combustion air intake restriction, kPa (in. water)	8.0 (32.1)		
Combustion air inlet flow rate, m ³ /min (CFM)	5.1 (180)	6.5 (230)	4.8 (170)
Exhaust System			
Exhaust stack gas temperature, °C (°F)	580 (1076)	560 (1040)	555 (1031)
Exhaust gas flow rate, m ³ /min (CFM)	13.3 (470)	15.9 (560)	12.5 (441)
Exhaust system backpressure (maximum allowable), kPa (in. water)	10 (3.0)	15 (4.4)	10 (3.0)
Heat Rejection			
Heat rejection to jacket water, kW (BTU/min)	51 (2900)	57 (3242)	46 (2616)
Heat rejection to alternator, kW (BTU/min)	6.7 (381)	7.1 (404)	6.7 (381)
Heat rejection to atmosphere from engine, kW (BTU/min)	14 (797)	15 (854)	13 (739)
Heat rejection to exhaust (total), kW (BTU/min)	59 (3358)	71 (4041)	55 (3127)

Alternator ²	50 Hz (Standby/Prime)			60 Hz (Standby)				
Voltages	380	415	400	480	440	220	380	240
Motor starting capability @ 30% Voltage Dip, skVA	154	183	170	204	172	172	130	154
Current, Amps	134 / 120	122 / 110	127 / 114	120	131	262	149.5	241
Temperature Rise, °C	150/40	150/40	150/40	130/40	130/40	130/40	163/27	150/40
Frame Size	A2137L4							
Excitation	S.E							