

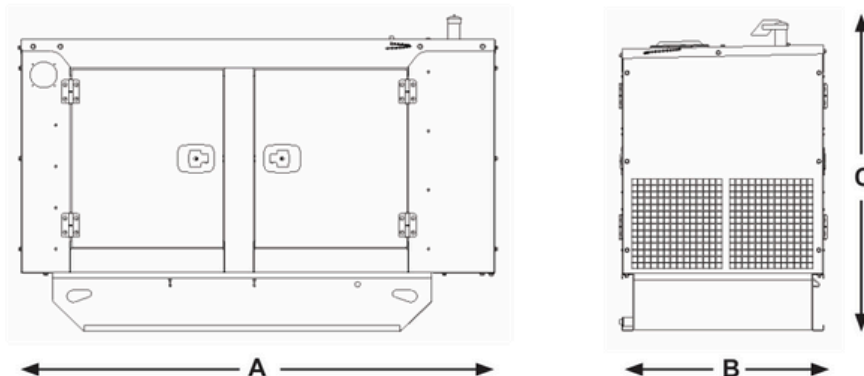
# CATERPILLAR GENERATOR SET – C4.4 - 100



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 <sup>3</sup> )
Compression Ratio	18.23:1
Aspiration	Turbocharged Air To Air Charge Cooled
Fuel Injection System	Inline
Governor	Mechanical

Model	Standby		Prime (SRR)	Emission Strategy
	50 Hz kVA (ekW)	60 Hz kVA (ekW)	50 Hz kVA (ekW)	
DE110 GC	110 (88)	125 (100)	99 (79.2)	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 <sup>#</sup> kg (lb)
2745 (108.5)	999 (39.3)	1476 (58.1)	1330 (2932.1)

<sup>#</sup>Weight includes standard generator, Enclosure and Integral Tank base

## PACKAGE PERFORMANCE

Performance	Standby		Prime (SRR)
	50 Hz	60 Hz	50 Hz
Genset power rating	110 kVA	125 kVA	99 kVA
Genset power rating with fan @ 0.8 power factor	88 ekW	100 ekW	79.2 ekW
Emissions	Low BSFC		
Performance number	P2634B	P2634A	-
<b>Fuel Consumption</b>			
Fuel tank capacity, L (gal)	166 (43.8)		
100% load with fan, L/hr (gal/hr)	24.4 (6.4)	29.2 (7.7)	22.0 (5.8)
75% load with fan, L/hr (gal/hr)	18.4 (4.8)	21.9 (5.8)	16.6 (4.3)
50% load with fan, L/hr (gal/hr)	12.8 (3.4)	15.4 (4.1)	11.5 (3.0)
<b>Cooling System<sup>1</sup></b>			
Radiator air flow, m <sup>3</sup> /min (CFM)	187.8 (6632)	244.2 (8624)	187.8 (6632)
Total coolant capacity, L (gal)	17.5 (4.6)		
<b>Inlet Air</b>			
Max. combustion air intake restriction, kPa (in. water)	8.0 (32.1)		
Combustion air inlet flow rate, m <sup>3</sup> /min (CFM)	6.3 (221)	7.8 (275)	5.7 (202)
<b>Exhaust System</b>			
Exhaust stack gas temperature, °C (°F)	543 (1009)	574 (1065)	537 (998)
Exhaust gas flow rate, m <sup>3</sup> /min (CFM)	16.3 (576)	20.4 (720)	14.7 (519)
Exhaust system backpressure (maximum allowable), kPa (in. water)	18.0 (5.3)	15.0 (4.4)	18.0 (5.3)
<b>Heat Rejection</b>			
Heat rejection to jacket water, kW (BTU/min)	50.7 (2883)	64.0 (3640)	68.0 (3867)
Heat rejection to alternator, kW (BTU/min)	7.8 (444)	8.3 (472)	7.8 (443)
Heat rejection to atmosphere from engine, kW (BTU/min)	7.5 (427)	9.4 (535)	7.2 (409)
Heat rejection to exhaust (total), kW (BTU/min)	78.9 (3358)	99.7 (4041)	75.0 (4265)

Alternator <sup>2</sup>	50 Hz (Standby/Prime)			60 Hz (Standby)				
	Voltages	380	415	400	480	440	220	380
Motor starting capability @ 30% Voltage Dip, skVA	189	225	209	251	210	210	157	188
Current, Amps	167 / 150	153 / 138	159 / 143	150	164	328	167	283
Temperature Rise, °C	163/27	163/27	163/27	150/40	163/27	163/27	163/27	163/27
Frame Size	A2153L4							
Excitation	S.E							