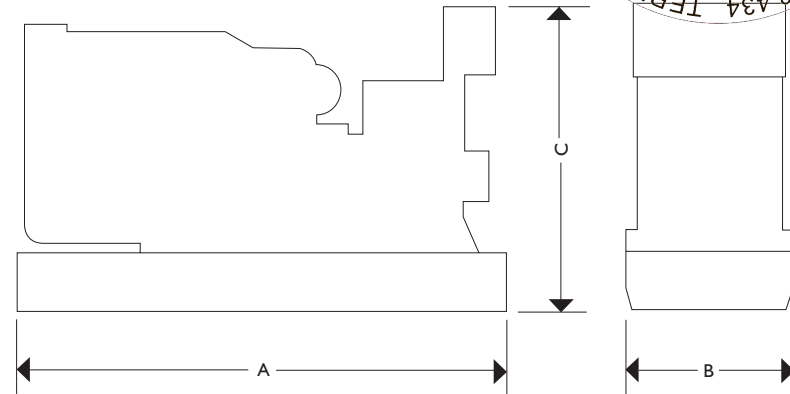




JCB GENERATOR G100 | OPEN



RATED POWER

Generator model		Prime	Standby
		G100	G100
400V, 50Hz	kVA	90	100
	kW	72	80
480V, 60Hz	kVA	105	116.2
	kW	84	93

Ratings at 0.8 pf.

Prime – This rating is for the supply of continuous electrical power (at variable load) in lieu of commercially purchased power. There is no limitation on the annual hours of operation and 10% overload power can be supplied for one hour in twelve hours.

Standby – This rating is for the supply of continuous electrical power (at variable load) in the event of a utility power failure. No overload is permitted.

DIMENSIONS

	mm (in)
A Length	2213 (87.1)
B Width	760 (30)
C Height	1505 (59.2)

WEIGHTS

Dry weight (with lube oil)	kg (lb)	1550 (3417)
Wet weight (with lube oil and coolant)	kg (lb)	1570 (3461)



SPECIFICATIONS

Engine	SisuDiesel 420 DSRG		
Number of cylinders	4 in-line		
Cubic capacity	litres (cu inch)	4.40 (268.5)	
Aspiration	Turbocharged		
Alternator	Newage Stamford		
Frequency	Hz	50	60
Engine speed	rpm	1500	1800
Fuel tank capacity	litre (US gal)	220 (58)	220 (58)
Fuel consumption at full rating: Prime	litre/h (US gal/h)	20.9 (5.5)	24.1 (6.4)
Fuel consumption at full rating: Standby	litre/h (US gal/h)	22.9 (6.1)	26.6 (7)
Heat rejection to exhaust system (max)	kW (BTU/min)	67 (3795)	81 (4590)
Heat rejection to cooling system (max)	kW (BTU/min)	47 (2675)	55 (3210)
Total radiated heat (max)	kW (BTU/min)	18 (1020)	21 (1190)
Exhaust temperature (max)	deg C (deg F)	532 (990)	505 (940)
Radiator cooling flow	cu m/min (cfm)	76.8 (2710)	132.7 (4685)
with max. restriction	mm (in) H.O	20 (0.80)	20 (0.80)
Combustion air flow max	cu m/min (cfm)	5.6 (199)	7.2 (255)
Exhaust gas flow (max)	cu m/min (cfm)	15 (529)	18.9 (666)
with max allowable back pressure	mm (in) H.O	800 (31.5)	800 (31.5)

SOUND PRESSURE LEVELS

		50Hz, 1500rpm	60Hz, 1800rpm
15m, 75% load	dB(A)	TBA	TBA
15m, 100% load	dB(A)	TBA	TBA
7m, 75% load	dB(A)	TBA	TBA
7m, 100% load	dB(A)	TBA	TBA
1m, 75% load	dB(A)	TBA	TBA
1m, 100% load	dB(A)	TBA	TBA

Note: Standard reference conditions: 25 deg C (77 deg F) air inlet temperature, 152.4m (500 feet) above sea level, 60% relative humidity. All engine performance data based on the above mentioned maximum continuous ratings. Fuel consumption data at full load for diesel fuel with specific gravity of 0.85 and conforming to BS2869: 1998, class A2. Not UL approved.



FEATURES

		Options
Control System	Emergency Lock Down Button	•
	Digital Control Panel	•
	Events Recorder	•
	Maintenance Call	•
	Wiring Loom	•
Engine	Mechanical Speed Governor	•
	Coolant Drain Piped To Side	•
	Lubricant Oil Drain Sump Valve	•
Alternator	Low Lube Oil Pressure (Shutdown)	•
	Newage Stamford	•
	Class H Insulation	•
Radiator	SX460 AVR (Self Excited)	•
	50 degC Ambient Capacity	•
	Coolant Solution With 30% Antifreeze	•
Base Frame / Handling	High Coolant Temperature (Shutdown)	•
	Polyester Powder Coated Baseframe With Earth Stud	•
	Vibration Isolators between Generator & Baseframe	•
	4 Lifting Eyes Fitted To Baseframe	•
Q Versions (Canopy Only)	Heavy Duty Galvanised Sheet Steel	•
	Lubricant Oil Drain Piped To Side (+ Valve)	•
	Residential Silencer	•
Fuel	Stainless Steel Bellows	•
	Fuel / Water Separator	•
AC Power Output	Fuel Tank Level Gauge	•
	3 Pole Circuit Breaker	•
Battery	Battery Rack & Cables	•
	12v or 24v Lead Acid Heavy Duty Battery	•
	Low Battery Voltage (Advance Warning)	•
	Battery Charging System Failure (Advance Warning)	•
Other	CE Certification	•
	Operators Manual	•

