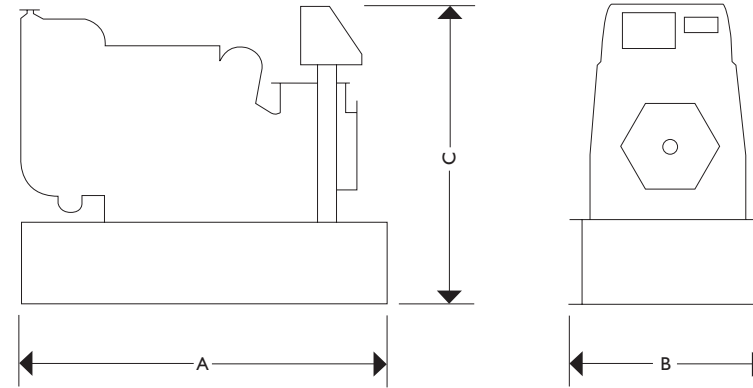




JCB GENERATOR G22 | OPEN



RATED POWER

Generator model	Hz	Phase	Prime	Standby
			G22	G22
220 – 240V	50	Single	16.3kVA / 16.3kW	17.5kVA / 17.5kW
220/110v	60	Single	17.7kVA / 17.7kW	18.9kVA / 18.9kW
380 – 415v	50	Three	20.0kVA / 16.0kW	22.0kVA / 17.6kW
220 – 127v	60	Three	22.5kVA / 18.0kW	25.0kVA / 20.0kW

Rating at 1.0pf single phase

Rating at 0.8pf three phase

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	1325 (52.2)	
B Width	720 (28.3)	
C Height	1100 (43.3)	

WEIGHTS

Dry weight (with lube oil)	kg (lb)	500 (1100)
Wet weight (with lube oil and coolant)	kg (lb)	525 (1155)

JCB GENERATOR G22 | OPEN



SPECIFICATIONS

Engine	Deutz TD2009L04		
Number of cylinders	4 in-line		
Cubic capacity	litres (cu inch)	2.30 (140)	
Aspiration	Turbocharged		
Alternator	Newage Stamford		
Frequency	Hz	50	60
Engine speed	rpm	1500	1800
Fuel tank capacity	litre (US gal)	100 (26.4)	100 (26.4)
Fuel consumption at full rating: Prime	litre/h (US gal/h)	5.10 (1.35)	6.71 (1.77)
Fuel consumption at full rating: Standby	litre/h (US gal/h)	5.90 (1.56)	7.51 (1.98)
Heat rejection to exhaust system (max)	kW (BTU/min)	14.1 (801)	21.1 (1199)
Heat rejection to cooling system (max)	kW (BTU/min)	12.1 (688)	15.2 (864)
Total radiated heat (max)	kW (BTU/min)	6.8 (386)	10.4 (591)
Exhaust temperature (max)	deg C (deg F)	546 (1015)	585 (1085)
Radiator cooling flow	cu m/min (cfm)	7.1 (252)	24.8 (877)
with max. restriction	mm (in) H.O	15 (0.60)	15 (0.60)
Combustion air flow max	cu m/min (cfm)	1.44 (51)	1.80 (64)
Exhaust gas flow (max)	cu m/min (cfm)	3.96 (140)	5.04 (178)
with max allowable back pressure	mm (in) H.O	203 (8)	305 (12)

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	•
Engine	Events Recorder	•
	Maintenance Call	•
	Wiring Loom	•
	Mechanical Speed Governor	•
Alternator	Coolant Drain Piped To Side	•
	Lubricant Oil Drain Sump Valve	•
	Low Lube Oil Pressure (Shutdown)	•
Radiator	Class H Insulation	•
	SX460 AVR (Self Excited)	•
Base Frame / Handling	50 degC Ambient Capacity	•
	Coolant Solution With 30% Antifreeze	•
Q Versions (Canopy Only)	High Coolant Temperature (Shutdown)	•
	Heavy Duty Galvanised Sheet Steel	•
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	•
Other	Low Battery Voltage (Advance Warning)	•
	Battery Charging System Failure (Advance Warning)	•
Operators Manual	CE Certification	•
	Operators Manual	•

