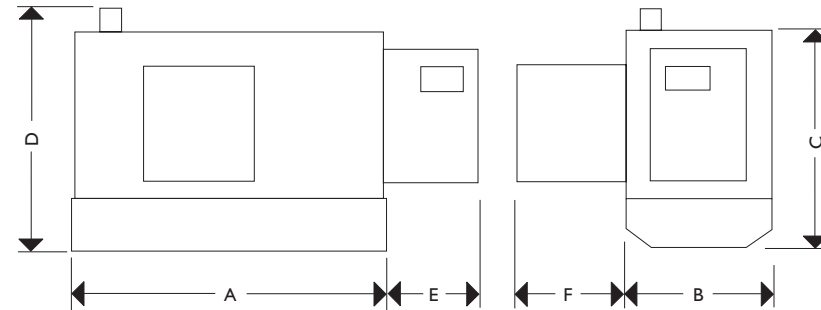




JCB GENERATOR G100Q | SOUND ATTENUATED



RATED POWER

Generator model		Prime	Standby
		G100Q	G100Q
380 – 415V, 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	2660 (104.7)
B Width	1100 (43.3)
C Height	1593 (62.7)
D Max. horizontal projection of open door	1695 (66.7)
E Max. total height of open door	750 (29.5)
F Max horizontal projection of door at each side	1085 (42.7)

WEIGHTS

Dry weight (with lube oil)	kg (lb)	1873 (4129)
Wet weight (with lube oil and coolant)	kg (lb)	1893 (4173)



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)	Not applicable	Not applicable
Exhaust temperature (max)	deg C (deg F)	532 (990)	505 (940)
Radiator cooling flow	cu m/min (cfm)	Not applicable	Not applicable
with max. restriction	mm (in) H.O	Not applicable	Not applicable
Combustion air flow max	cu m/min (cfm)	5.6 (199)	7.2 (255)
Exhaust gas flow (max)	cu m/min (cfm)	Not applicable	Not applicable
with max allowable back pressure	mm (in) H.O	Not applicable	Not applicable

SOUND PRESSURE LEVELS

		50Hz, 1500rpm	60Hz, 1800rpm
15m, 75% load	dB(A)	65.0	68.0
15m, 100% load	dB(A)	66.0	69.0
7m, 75% load	dB(A)	70.0	73.0
7m, 100% load	dB(A)	72.0	75.0
1m, 75% load	dB(A)	80.0	83.0
1m, 100% load	dB(A)	81.0	84.0

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	•
Engine	Wiring Loom	•
	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)	Heavy Duty Galvanised Sheet Steel	•
	Lubricant Oil Drain Piped To Side (+ Valve)	•
	Residential Silencer	•
	Stainless Steel Bellows	•
Fuel	Fuel / Water Separator	•
	Fuel Tank Level Gauge	•
AC Power Output	3 Pole Circuit Breaker	•
	Battery	•
Battery	Battery Rack & Cables	•
	12v or 24v Lead Acid Heavy Duty Battery	•
	Low Battery Voltage (Advance Warning)	•
Other	Battery Charging System Failure (Advance Warning)	•
	CE Certification	•
	Operators Manual	•