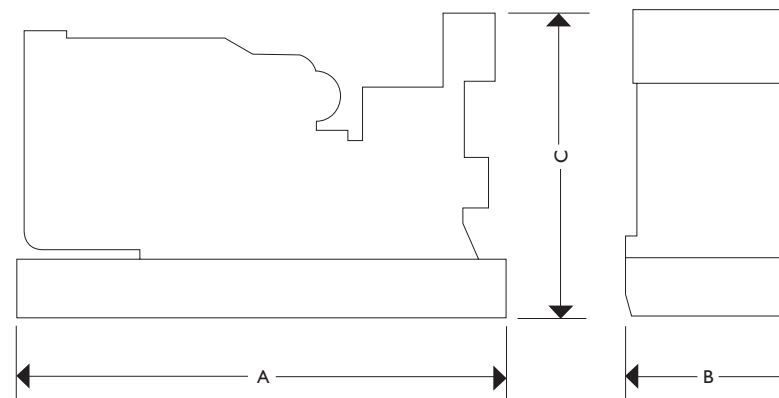




JCB GENERATOR G110 | OPEN



RATED POWER

| Generator model | | Prime | Standby |
|-----------------|-----|-------|---------|
| | | G110 | G110 |
| 400V, 50Hz | kVA | 100 | 110 |
| | kW | 80 | 88 |
| 480V, 60Hz | kVA | 117.5 | 127.5 |
| | kW | 94 | 102 |

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 | 794 (31.2) |
| C Height | 1485 (58.5) |

WEIGHTS

| | | |
|--|---------|-------------|
| Dry weight (with lube oil) | kg (lb) | 1570 (3461) |
| Wet weight (with lube oil and coolant) | kg (lb) | 1590 (3505) |

JCB GENERATOR G110 | OPEN



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) | 23 (6.3) | 28 (7.4) |
| Fuel consumption at full rating: Standby | litre/h (US gal/h) | 26.3 (6.9) | 30.6 (7.4) |
| Heat rejection to exhaust system (max) | kW (BTU/min) | 81 (4630) | 96 (5440) |
| Heat rejection to cooling system (max) | kW (BTU/min) | 55 (3135) | 64 (3650) |
| Total radiated heat (max) | kW (BTU/min) | 21 (1195) | 31 (1780) |
| Exhaust temperature (max) | deg C (deg F) | 532 (990) | 505 (940) |
| Radiator cooling flow | cu m/min (cfm) | 151.2 (5340) | 261.3 (9225) |
| with max. restriction | mm (in) H.O | 20 (0.80) | 20 (0.80) |
| Combustion air flow max | cu m/min (cfm) | 6.2 (218) | 7.6 (270) |
| Exhaust gas flow (max) | cu m/min (cfm) | 16.9 (595) | 19.9 (703) |
| with max allowable back pressure | mm (in) H.O | 800 (31.5) | 850 (33.5) |

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

JCB cares for the environment. This paper has been produced without the use of elemental chlorine chemicals in the bleaching process.

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