

MODEL:  
**100KVA**



**GENERATOR**

**TECHNICAL DATA SHEET**

**50 Hz**

**3-Phase**

**Power Factor**  
**Cos  $\Phi$  = 0.8**

**Emissions**  
**EU Stage IIIA Certified**

**Key Features**

- Water cooled dual speed John Deere diesel engine
- EC NRMM Directive - Stage IIIA emissions certified engine
- Heavy duty rubber captive anti-vibration mountings
- Single bearing CGT Stamford alternator
- Electronic speed governor
- Livelink Telemetry
- Three way fuel valve - single lever operation
- Integral 515 litre bunded fuel tank with filler cap and gauge
- Heavy duty zinc-treated central lift canopy c/w fork pockets
- Large door access for ease of maintenance
- Integral Industrial silencer
- DSE7320 MKII Deep sea Auto-start controller
- 4 pole Main line circuit breaker
- Heavy duty sealed lead acid battery 12v
- Lockable Battery isolator



**Overall Dimensions & Weights**

Length (L) = 3055mm Width (W) = 1200mm  
Height (H) = 1800mm  
Dry Weight (inc oil) = 2120kg  
Operating Weight = 2380kg

50HZ	Typical Sound Pressure Level at 75% of Prime Power dBA			
	1m	5m	7m	10m
dBA	77	69	67	63

**Definition of Ratings & Reference Conditions**

Prime Power (PRP) is the nominal output continuously available, where the average load (variable) does not exceed 70% of the prime power rating. 10% overload is available for a maximum of 1 hour in 12 hours of operation.

Standby Power (ESP) is the maximum output available, for up to 500 hours per year, where the average load does not exceed 70% of the standby power rating. No overload is available.

Standard Reference Conditions: air inlet temperature 25°C (77°F), barometric pressure 100kPa, [110m (361ft) altitude], 30% relative humidity.

Note: The above ratings may be subject to derate at different operating conditions. Please see the Derate Guidelines on the JCB Broadcrown website.

All power ratings and reference conditions in accordance with ISO 8528-1 and ISO 3046-1.

	Prime	Standby
Fuel Consumption at 100% Power l/h	23.6	25.6
Fuel Consumption at 75% Power l/h	17.8	19.2
Fuel Consumption at 50% Power l/h	12.5	12.8
Total Fuel Flow l/h	55	
Standard Fuel Tank	280	

50Hz RATINGS	PRIME POWER (PRP)		STANDBY POWER (ESP)		
Voltage	kVA	kWe	kVA	kWe	Amps
400/230	100	80	110	88	200

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