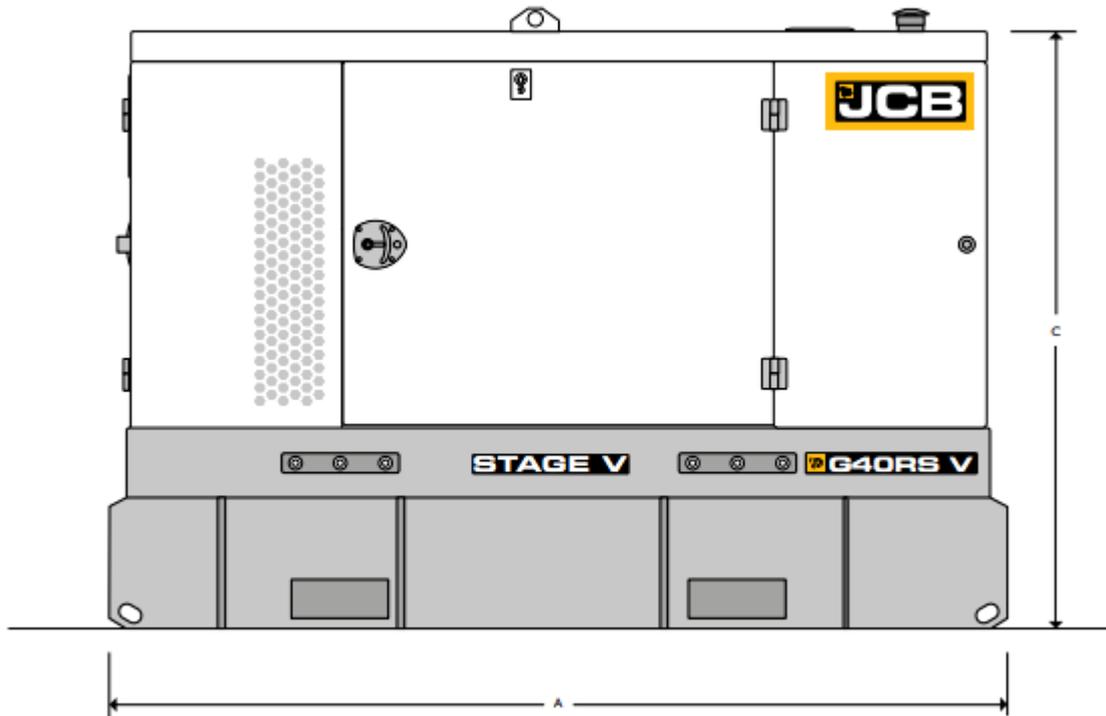


## JCB 100KVA Stage V Generator G100RS



**STAGE**  
**COMPLIANT** **V**



### Machine Dimensions

A	Length	3192 mm
B	Width	1200 mm
C	Height	2050 mm
Shipping Volume		7.8 m <sup>3</sup>
Weight		2750 kg

### Electrical

Phases	3
Voltage	400 / 230 V
Rated speed RPM	1500 rpm
Prime Power	100 kVA / 80 kW
Standby Power	110 kVA / 88 kW

### Engine

Net Output Rating	103 kW
Manufacturer and model	JCB 448 TA5-129
Engine speed	1500 rpm
Cylinders	4
Displacement	4.8 L
Cooling	Water
Engine Oil Capacity	14 L
Coolant Capacity	17 L
Governor	Electronic
Air Filter	Paper Filter
Engine Oil Consumption (100% load)	0.1% of fuel consumed
Exhaust Emission Aftertreatment	DOC/DPF/SCR
Emission Standard	Stage V

### Fuel Consumption

100% load prime	23.4 L/h
75% load prime	17.6 L/h
50% load prime	11.4 L/h
100% load prime	24.9 L/h

### Fuel System

Diesel specification	EN590 & EN15940
Fuel Tank Capacity (total volume)	260 L

### DEF System

DEF Specification	ISO 22241
DEF Consumption @ 75% load (% of fuel)	9.4
DEF Tank Capacity (total volume)	17 L

### Exhaust System

Maximum Temperature 100% Standby	520°
Maximum temperature – regeneration	600
Exhaust gas flow 100% standby	8.5 m <sup>3</sup> /min

### Air System

Intake Air Flow 100% standby	430 m <sup>3</sup> /hr
Radiator cooling airflow	3.2 m <sup>3</sup> /s

### Sound Pressure

LpA (7m)	66 dB(A)
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### Starting System

Battery capacity	100 Ah
Number of batteries	1
Audary voltage	12 V
Battery type	Sealed lead acid

### Standard/Optional Features

<b>Electric</b>	●
AVR DSR	●
Winding protection – Total	●
MAUX	●
4 pole moulded case circuit breaker	●
Earth leakage protection	●
Preparation for earth spike	●
External emergency stop button	●
Socket panel	Δ
Bund alarm	Δ
Battery isolator	●
Battery charger	Δ
DEF transfer system	Δ
50Hz / 60Hz switchable	Δ
<b>Canopy</b>	
Loadable maintenance access doors	●
Door stays	●
Forklift protection bumpers	●
Integral fork pockets	●
Fixed lifting points	●
Bunded fuel tank	●
4 point tie down	●
High density fire retardant foam	●
JCB yellow paint	●
White paint (RAL 9001)	Δ
Heavy duty rental base	●
Standard: ●	Not Available: X
Optional: Δ	

### Standard CE Pack

JCB Generators are CE certified and conform to the following Directives (subject to a country requiring such standard):

- EN 12100, EN 13857, EN60204
- 2006/42/CE Machinery safety
- 2006/95/EC Low voltage
- 2004/108/CE Electromagnetic compatibility
- 2000/14/EC Sound Power Level (amended by 2005/88/EC)
- 97/68/EC Emissions (amended by 2002/88EC & 2004/26/EC)
- Power according to ISO 8528 and ISO 3046
- Ambient reference conditions 1000mbar, 25°C, 30% relative humidity ISO3046

Information based on standard specification equipment unless stated otherwise.

### Standard/Optional Features

<b>Mechanical Features</b>	
Manual oil drain pump	Δ
Water jacket heater	Δ
Pre-filter with separator	●
Racor water/fuel separator	Δ
Fuel level sender	●
Internal fuel fill	●
3 way fuel valve	●
<b>JCB Communication and Control</b>	
DSE 7310	●
DSE 8610 synchronising controller	Δ
JCB LiveLink	●
Standard: ●	Not Available: X
Optional: Δ	