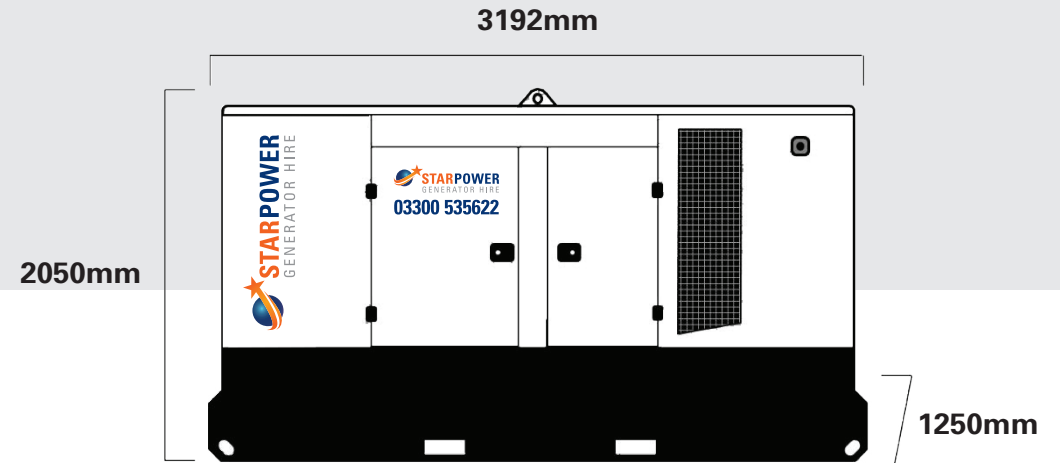
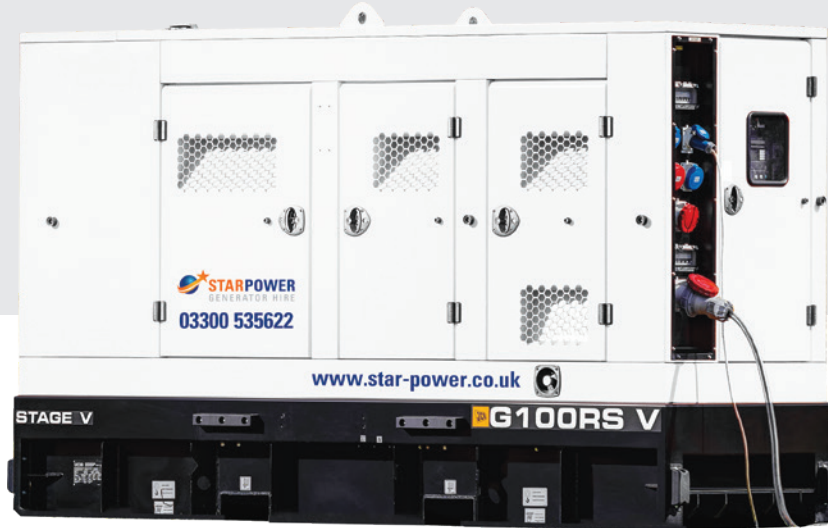


G100RS V | Rental Set



EMISSION STANDARD

STAGE V

ELECTRICAL

Frequency (Hz)	Phases	Voltage (V)	kVA	Prime		Standby		Rated Speed (RPM)
				kW	kVA	kW	kVA	
50	3	400/230V	100	80	110	88	1500	
60	3	480/277V	100	80	110	88	1800	

POWER FACTOR

3 Phase	0.8
1 Phase	1

RATINGS

Prime: This rating is for the supply of continuous electrical power, at variable load, in lieu of commercially purchase power. There is no limitation on the annual hours of operation and 10% over load power can be supplied for 1 hour in 12..

Standby: Standby Power (ESP) is the maximum output available, for up to 200 hours per year, where the average load (variable) does not exceed 70% of the standby power rating. No overload is available.
Stage V Models are only emissions compliant at 50Hz Prime Power

CANOPY		
Lockable Maintenance Access Doors		●
Door Stays		●
Forklift Protection Bumpers		●
Control Panel Viewing Window		●
Fork Pockets		●
Single Lift Point		●
Bunding		●
4 Point Tie Down		●
High Density Fire Retardant Foam		●
Yellow Paint		Δ
White Paint		●
Heavy Duty Rental Base		●
Drag Bar		●
	Standard: ●	Not Available: x Optional: Δ

ALTERNATOR ECP34-2S4 C	
Poles	4
Winding Connections	Star
Insulation	Class H
Enclosure	IP23
Exciter System	Self-regulating brushless
Voltage Regulator	AVR
Steady State Voltage Regulation	+/- 1%
Bearing	Single bearing sealed
Coupling	Flexible disc
Cooling	Direct drive centrifugal blower fan
Coating	Total Protection +

STARTING SYSTEM		
Battery Capacity	Ah	110
Number of Batteries		1
Auxiliary Voltage	V	12

ENGINE		
1500 RPM		
Net Output Rating (PRP)	kW	94
Net Output Rating (Standby)	kW	104
1800 RPM		
Net Output Rating (PRP)	kW	106
Net Output Rating (Standby)	kW	118
Manufacturer and Model		JCB 448 TA5-129
Fuel		Diesel
Injection		Common Rail
Aspiration		Turbo Charged
Cylinders		4
Bore and Stroke	mm	106 x 135
Displacement	L	4.77
Cooling		Water
Engine Oil Specification		API CJ4/CK4
Engine Oil Capacity	L	14.00
Coolant Capacity	L	17.00
Governor		Electronic
Air Filter		Paper Element
Engine Oil Consumption	100% Load	0.1% of fuel consumed
Exhaust Emission Aftertreatment		DOC/DPF/SCR
Emission Standard		STAGE V

FUEL SYSTEM		
Diesel Specification		EN590 or ASTM D975
Standard Capacity Fuel Tank	L	260

DEF SYSTEM		
DEF Specification		ISO 22241
Standard Capacity Fuel Tank	L	17
Automatic top up pump and controls		Δ

GI00RS V | Rental Set



FUEL CONSUMPTION

100% Load Prime	L/h	50Hz	23.4
75% Load Prime	L/h		17.6
50% Load Prime	L/h		11.4
100% Load Standby	L/h		24.9
100% Load Prime	L/h	60Hz	23.7
75% Load Prime	L/h		18.0
50% Load Prime	L/h		13.3
100% Load Standby	L/h		26.1

EXHAUST SYSTEM

Maximum Temperature 100% Standby	°C	50Hz	520
Exhaust Gas Flow 100% Standby	m ³ /min		8.50
Maximum Allowed Back Pressure	kPa		23.0
Exhaust Discharge Size	mm		78

AIR SYSTEM

Intake Air Flow 100% Standby	m ³ /h	50Hz	430
Radiator Cooling Airflow	m ³ /s		3.2

SOUND PRESSURE

LpA (7m)	50Hz	dB(A)	67
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MECHANICAL FEATURES

Cooling Pack	•
Air Filter	•
Electronic Governor	•
Low Oil Pressure Switch	•
Coolant Temperature Sender	•
Oil Temperature Sender	•
Radiator Guards	•
Hot Component Guards	•
Manual Oil Drain Pump	•
Water Jacket Heater	Δ
Pre-Filter with Separator	•
Racor water/fuel separator	Δ
Fuel Level Sender	•
Internal Fuel Fill	•
3 Way Fuel Valve	•

Standard: • Not Available: x Optional: Δ

ELECTRICAL FEATURES

AVR DSR	●
AVR DER	Δ
Winding Protection Total +	●
MAUX	●
Anti-Condensation Heater	Δ
4 Pole Moulded Case Circuit Breaker	●
Earth Leakage Protection	●
Preparation for Earth Spike	●
Optional Voltages	Δ
Emergency Stop Button (Control Panel)	●
External Emergency Stop Button	●
AGM Battery	x
Socket Panel ROW-C-1 (1 x 125A-3ph)	Δ
Socket Panel ROW-C-2 (1 x 125A-3ph, 1 x 63A-3ph, 1 x 32A-3ph, 2 x 32A-1ph, 1 x 16A-1ph)	Δ
Socket Panel ROW-C-4 (1 x 125A-3ph, Powerlock connections L1-L2-L3-N-E)	Δ
Bund Alarm / Shut down	Δ
50Hz / 60Hz Switch	Δ
Intelligent Load Management System	●
Standard: ● Not Available: x Optional: Δ	

BATTERY FEATURES

Battery Isolator	Δ
Battery Type	Sealed Lead Acid
Battery Charger	Δ

JCB COMMUNICATION AND CONTROL

DSE 73 I0	●
DSE 86 I0 synchronising controller	Δ
LiveLink for Power	●
Standard: ● Not Available: x Optional: Δ	

WEIGHT AND DIMENSIONS

Length	mm	3192
Width	mm	1200
Height	mm	2050
Shipping Volume (sea ready)	m ³	7.85
Weight*	Kg	2750

*Standard build with all fluids except fuel

CE PACK

EMC Certification	●
Hot Guards	●
Belt Guards	●
Sound Power Decal	●
EU Declaration for Engine Emissions	●
Complete Machine Declaration of Conformity	●
Standard: ● Not Available: x Optional: Δ	

REFERENCE STANDARDS

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

- EN 12100, EN13857, 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 2002/88/EC & 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 otherwise stated.