

DIESEL GENERATOR

STAGE IIIA

ELECTRICAL

Frequency (Hz)	Phases	Voltage (V)	Prime		Standby		MCB Rating (A)	Minimum ATP Rating (A)	Rated Speed (RPM)
			kVA	kW	kVA	kW			
50	3	400/230V	19	15	19	15	32	32	1500
60	3	480/277V	N/A	N/A	N/A	N/A	N/A	N/A	1800

POWER FACTOR	
3 Phase	0.8
1 Phase	1

MAXIMUM LOAD IMPACT*	
kVA	TBC
kW	TBC

*With 20% voltage and 10% frequency deviation @ 50Hz, 400V

ALL RATINGS ARE TO STANDARD REFERENCE CONDITIONS ISO 8528

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 500 hours per year, where the average load (variable) does not exceed 70% of the standby power rating. No overload is available.

Stage IIIA models are only emissions compliant at 50Hz Prime Power in accordance with 97-68EC.

JCB GENERATOR TECHNICAL SPECIFICATIONS. Tel: +44 (0)1889 272200. www.jcbgenerators.com. JCB reserves the right to change specifications without notice. Illustrations shown may include optional equipment and accessories.

CANOPY		
Lockable Maintenance Access Doors		●
Control Panel Viewing Window		●
Oversized Fork Pockets		●
Welded Single Lift Point		●
Bunding		●
Certified 4 Point Lift		●
High Density Fire Retardant Foam		●
Yellow Paint		Δ
White Paint		●
Heavy Duty Rental Base		●
Drag Bar		Δ
Galvanised Steel Canopy		●
Standard: ● Not Available: x Optional: Δ		

ALTERNATOR PI 144D		
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			
Starter Motor	kW		2.30
Battery Capacity	Ah		850
Number of Batteries			1
Auxiliary Voltage	V		12

ENGINE			
		1500 RPM	
Net Output Rating (PRP)	kW		16
Net Output Rating (Standby)	kW		17
		1800 RPM	
Net Output Rating (PRP)	kW		N/A
Net Output Rating (Standby)	kW		N/A
Manufacturer and Model			YANMAR 4TNV 88
Fuel			Diesel
Injection			Direct
Aspiration			Natural
Cylinders			4
Bore and Stroke	mm		88 x 90
Displacement	L		2.19
Cooling			Water
Engine Oil Specification			JCB EP 15W40
Compression Ratio			19 : 1
Engine Oil Capacity	L		7.40
Coolant Capacity	L		2.70
Governor			Mechanical
Air Filter			Paper Element
Engine Oil Consumption	100% Load		0.1% of fuel consumed

FUEL SYSTEM			
Diesel Specification			EN590
Standard Capacity Fuel Tank	L		100
Extended Capacity Fuel Tank(Optional)	L		TBC

FUEL CONSUMPTION

100% Load Prime	L/h	50Hz	4.9
75% Load Prime	L/h		3.6
50% Load Prime	L/h		2.40
100% Load Standby	L/h		5.30
100% Load Prime	L/h	60Hz	N/A
75% Load Prime	L/h		N/A
50% Load Prime	L/h		N/A
100% Load Standby	L/h		N/A

EXHAUST SYSTEM

Maximum Temperature 100% Standby	°C	50Hz	500.00
Exhaust Gas Flow 100% Standby	m ³ /min		4.20
Maximum Allowed Back Pressure	kPa		15.30
Exhaust Discharge Size	mm		50

AIR SYSTEM

Intake Air Flow 100% Standby	m ³ /h	50Hz	90.00
Total Cooling Air Flow 100% Standby	m ³ /s		0.65

SOUND PRESSURE

LpA (7m)	50Hz	dB(A)	62
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MECHANICAL FEATURES

Cooling Pack	●
Air Filter	●
Mechanical Governor	●
Low Oil Pressure Switch	●
Coolant Temperature Sender	●
Oil Temperature Sender	●
Radiator Guards	●
Hot Component Guards	●
Manual Oil Drain Pump (Canopy)	Δ
Water Jacket Heater	Δ
Pre-Filter with Separator	●
Fuel Level Sender	●
Internal Fuel Fill (Belly Tank)	●
3 Way Fuel Valve	●
Residential Silencer	●
Air Shut-Off Valve	Δ
Electronic Governor	x
Spark Arrestor	Δ
Standard: ● Not Available: x Optional: Δ	

ELECTRICAL FEATURES

AVR DSR	●
AVR DER	x
Winding Protection Standard	x
Winding Protection Standard +	x
Winding Protection Grey	x
Winding Protection Total	x
Winding Protection Total +	x
MAUX	x
PMG	Δ
Anti-Condensation Heater	Δ
3 Pole Moulded Case Circuit Breaker	x
4 Pole Moulded Case Circuit Breaker	●
Earth Leakage Protection (Switchable)	●
Preparation for Earth Spike	●
Optional Voltages	Δ
Emergency Stop Button (Control Panel)	●
External Emergency Stop Button	●
AGM Battery	Δ
Socket Panel (1 x 32A – 3ph, 3 x 32A – 1ph) IP44	Δ
Socket Panel (1 x 63A – 3ph, 3 x 32A – 1ph) IP44	Δ
Socket Panel (1 x 63A – 3ph, 2 x 32A – 3ph, 3 x 32A – 1ph) IP44 (1 x 125A – 3ph) IP67	Δ
Bund Alarm / Shut down	Δ
Remote Display	x
50Hz / 60Hz Switch	Δ
Standard: ● Not Available: x Optional: Δ	

BATTERY FEATURES

Battery Isolator	●
Battery Type	SEALED LEAD ACID
Battery Size (Ah)	TBC
Number of Batteries	1
Battery Charger	Δ

JCB COMMUNICATION AND CONTROL

7320 MKII	●
8610 MKII (Synchronisation)	Δ
8620 (Synchronisation)	x
LiveLink for Power (MKII Panel Only)	●
Standard: ● Not Available: x Optional: Δ	

WEIGHT AND DIMENSIONS

Length	mm	1948
Width	mm	835
Height	mm	1423
Shipping Volume (sea ready)	m ³	2.30
Weight*	Kg	950

*Standard build with all fluids except fuel

CE PACK

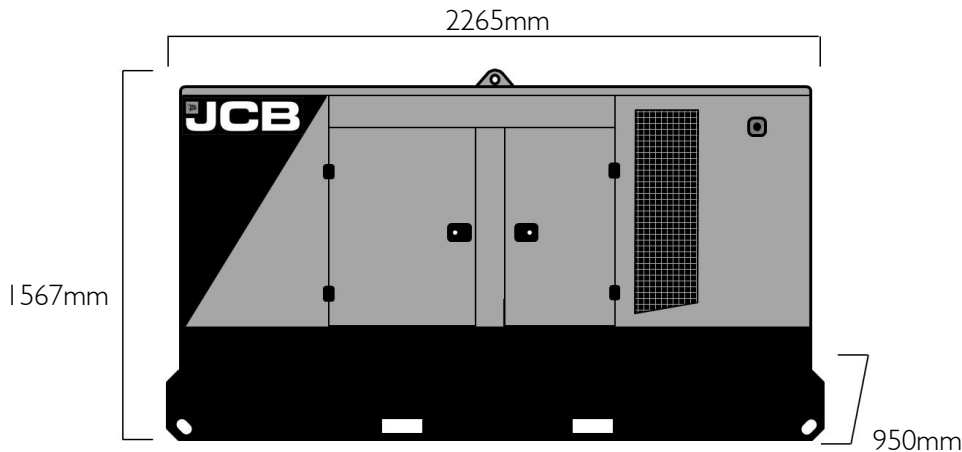
EMC Certification	●
Hot Guards	●
Belt Guards	●
Sound Power Decal	●
EU Declaration for Engine Emissions	●
Complete Machine Declaration of Conformity	●
Standard: ● Not Available: x Optional: Δ	

REFERENCE STANDARDS

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

- EN 12100, EN 13857, EN 60204
 - 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 ISO 3046
- Information based on standard specification equipment unless otherwise stated.

G30RS | Rental Set



DIESEL GENERATOR

STAGE IIIA

ELECTRICAL

Frequency (Hz)	Phases	Voltage (V)	Prime		Standby		MCB Rating (A)	Minimum ATP Rating (A)	Rated Speed (RPM)
			kVA	kW	kVA	kW			
50	3	400/230V	30	24	33	26	50	50	1500
60	3	480/277V	N/A	N/A	N/A	N/A	N/A	N/A	1800

POWER FACTOR

3 Phase	0.8
1 Phase	1

MAXIMUM LOAD IMPACT*

kVA	TBC
kW	TBC

*With 20% voltage and 10% frequency deviation @ 50Hz, 400V

ALL RATINGS ARE TO STANDARD REFERENCE CONDITIONS ISO 8528

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 500 hours per year, where the average load (variable) does not exceed 70% of the standby power rating. No overload is available.

Stage IIIA models are only emissions compliant at 50Hz Prime Power in accordance with 97-68EC.

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CANOPY		
Lockable Maintenance Access Doors		●
Control Panel Viewing Window		●
Oversized Fork Pockets		●
Welded Single Lift Point		●
Bunding		●
Certified 4 Point Lift		●
High Density Fire Retardant Foam		●
Yellow Paint		Δ
White Paint		●
Heavy Duty Rental Base		●
Drag Bar		Δ
Galvanised Steel Canopy		●
Standard: ● Not Available: x Optional: Δ		

ALTERNATOR PI 144G		
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			
Starter Motor	kW		2.20
Battery Capacity	Ah		850
Number of Batteries			1
Auxiliary Voltage	V		12

ENGINE			
		1500 RPM	
Net Output Rating (PRP)	kW		27.6
Net Output Rating (Standby)	kW		30.6
		1800 RPM	
Net Output Rating (PRP)	kW		N/A
Net Output Rating (Standby)	kW		N/A
Manufacturer and Model			MITSUBISHI S4S Z361SD
Fuel			Diesel
Injection			Direct
Aspiration			Turbo Charged
Cylinders			4
Bore and Stroke	mm		94 x 120
Displacement	L		3.33 l
Cooling			Water
Engine Oil Specification			JCB EP 15W40
Compression Ratio			22 : 1
Engine Oil Capacity	L		10.00
Coolant Capacity	L		5.60
Governor			Mechanical
Air Filter			Paper Element
Engine Oil Consumption	100% Load		0.1% of fuel consumed

FUEL SYSTEM			
Diesel Specification			EN590
Standard Capacity Fuel Tank	L		125
Extended Capacity Fuel Tank(Optional)	L		TBC

FUEL CONSUMPTION

100% Load Prime	L/h	50Hz	8.6
75% Load Prime	L/h		6.3
50% Load Prime	L/h		4.30
100% Load Standby	L/h		10.20
100% Load Prime	L/h	60Hz	N/A
75% Load Prime	L/h		N/A
50% Load Prime	L/h		N/A
100% Load Standby	L/h		N/A

EXHAUST SYSTEM

Maximum Temperature 100% Standby	°C	50Hz	580.00
Exhaust Gas Flow 100% Standby	m ³ /min		9.78
Maximum Allowed Back Pressure	kPa		6.60
Exhaust Discharge Size	mm		65

AIR SYSTEM

Intake Air Flow 100% Standby	m ³ /h	50Hz	223.00
Total Cooling Air Flow 100% Standby	m ³ /s		1.00

SOUND PRESSURE

LpA (7m)	50Hz	dB(A)	62
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MECHANICAL FEATURES

Cooling Pack	●
Air Filter	●
Mechanical Governor	●
Low Oil Pressure Switch	●
Coolant Temperature Sender	●
Oil Temperature Sender	●
Radiator Guards	●
Hot Component Guards	●
Manual Oil Drain Pump (Canopy)	Δ
Water Jacket Heater	Δ
Pre-Filter with Separator	●
Fuel Level Sender	●
Internal Fuel Fill (Belly Tank)	●
3 Way Fuel Valve	●
Residential Silencer	●
Air Shut-Off Valve	Δ
Electronic Governor	x
Spark Arrestor	Δ
Standard: ● Not Available: x Optional: Δ	

ELECTRICAL FEATURES

AVR DSR	●
AVR DER	x
Winding Protection Standard	x
Winding Protection Standard +	x
Winding Protection Grey	x
Winding Protection Total	x
Winding Protection Total +	x
MAUX	x
PMG	Δ
Anti-Condensation Heater	Δ
3 Pole Moulded Case Circuit Breaker	x
4 Pole Moulded Case Circuit Breaker	●
Earth Leakage Protection (Switchable)	●
Preparation for Earth Spike	●
Optional Voltages	Δ
Emergency Stop Button (Control Panel)	●
External Emergency Stop Button	●
AGM Battery	Δ
Socket Panel (1 x 32A – 3ph, 3 x 32A – 1ph) IP44	Δ
Socket Panel (1 x 63A – 3ph, 3 x 32A – 1ph) IP44	Δ
Socket Panel (1 x 63A – 3ph, 2 x 32A – 3ph, 3 x 32A – 1ph) IP44 (1 x 125A – 3ph) IP67	Δ
Bund Alarm / Shut down	Δ
Remote Display	x
50Hz / 60Hz Switch	Δ
Standard: ● Not Available: x Optional: Δ	

BATTERY FEATURES

Battery Isolator	●
Battery Type	SEALED LEAD ACID
Battery Size (Ah)	TBC
Number of Batteries	1
Battery Charger	Δ

JCB COMMUNICATION AND CONTROL

7320 MKII	●
8610 MKII (Synchronisation)	Δ
8620 (Synchronisation)	x
LiveLink for Power (MKII Panel Only)	●
Standard: ● Not Available: x Optional: Δ	

WEIGHT AND DIMENSIONS

Length	mm	2265
Width	mm	950
Height	mm	1567
Shipping Volume (sea ready)	m ³	3.40
Weight*	Kg	1225

*Standard build with all fluids except fuel

CE PACK

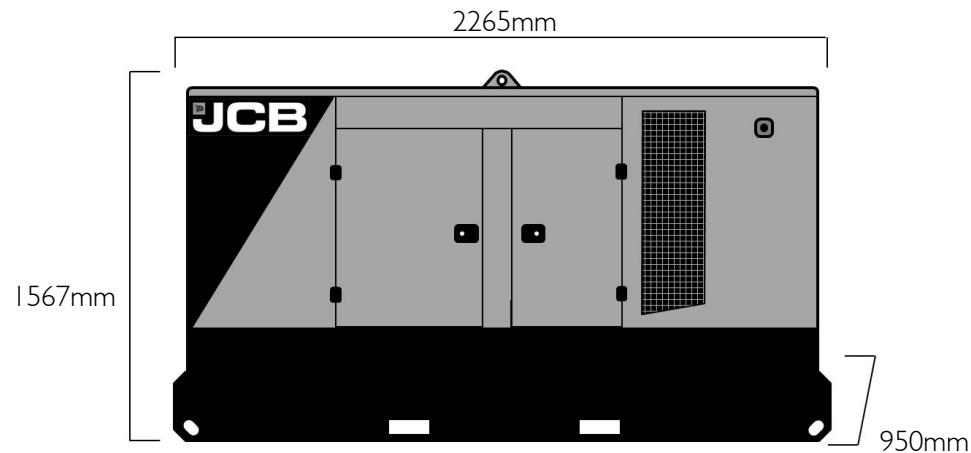
EMC Certification	●
Hot Guards	●
Belt Guards	●
Sound Power Decal	●
EU Declaration for Engine Emissions	●
Complete Machine Declaration of Conformity	●
Standard: ● Not Available: x Optional: Δ	

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DIESEL GENERATOR

STAGE IIIA

ELECTRICAL

Frequency (Hz)	Phases	Voltage (V)	Prime		Standby		MCB Rating (A)	Minimum ATP Rating (A)	Rated Speed (RPM)
			kVA	kW	kVA	kW			
50	3	400/230V	40	32	44	35	63	63	1500
60	3	480/277V	N/A	N/A	N/A	N/A	N/A	N/A	1800

POWER FACTOR	
3 Phase	0.8
1 Phase	1

MAXIMUM LOAD IMPACT*	
kVA	TBC
kW	TBC

*With 20% voltage and 10% frequency deviation @ 50Hz, 400V

ALL RATINGS ARE TO STANDARD REFERENCE CONDITIONS ISO 8528

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 500 hours per year, where the average load (variable) does not exceed 70% of the standby power rating. No overload is available.

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CANOPY		
Lockable Maintenance Access Doors		●
Control Panel Viewing Window		●
Oversized Fork Pockets		●
Welded Single Lift Point		●
Bunding		●
Certified 4 Point Lift		●
High Density Fire Retardant Foam		●
Yellow Paint		Δ
White Paint		●
Heavy Duty Rental Base		●
Drag Bar		Δ
Galvanised Steel Canopy		●
Standard: ● Not Available: x Optional: Δ		

ALTERNATOR PI 144J		
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			
Starter Motor	kW		2.20
Battery Capacity	Ah		850
Number of Batteries			1
Auxiliary Voltage	V		12

ENGINE			
		1500 RPM	
Net Output Rating (PRP)	kW		35.3
Net Output Rating (Standby)	kW		38.9
		1800 RPM	
Net Output Rating (PRP)	kW		N/A
Net Output Rating (Standby)	kW		N/A
Manufacturer and Model			MITSUBISHI S4S Z3DT61SD
Fuel			Diesel
Injection			Direct
Aspiration			Turbo Charged
Cylinders			4
Bore and Stroke	mm		94 x 120
Displacement	L		3.33 l
Cooling			Water
Engine Oil Specification			JCB EP 15W40
Compression Ratio			17 : 1
Engine Oil Capacity	L		10.00
Coolant Capacity	L		9.00
Governor			Mechanical
Air Filter			Paper Element
Engine Oil Consumption	100% Load		0.1% of fuel consumed

FUEL SYSTEM			
Diesel Specification			EN590
Standard Capacity Fuel Tank	L		125
Extended Capacity Fuel Tank(Optional)	L		TBC

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FUEL CONSUMPTION

100% Load Prime	L/h	50Hz	10.3
75% Load Prime	L/h		8
50% Load Prime	L/h		5.70
100% Load Standby	L/h		11.60
100% Load Prime	L/h	60Hz	N/A
75% Load Prime	L/h		N/A
50% Load Prime	L/h		N/A
100% Load Standby	L/h		N/A

EXHAUST SYSTEM

Maximum Temperature 100% Standby	°C	50Hz	575.00
Exhaust Gas Flow 100% Standby	m ³ /min		11.60
Maximum Allowed Back Pressure	kPa		4.00
Exhaust Discharge Size	mm		65

AIR SYSTEM

Intake Air Flow 100% Standby	m ³ /h	50Hz	270.00
Total Cooling Air Flow 100% Standby	m ³ /s		1.20

SOUND PRESSURE

LpA (7m)	50Hz	dB(A)	62
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MECHANICAL FEATURES

Cooling Pack	●
Air Filter	●
Mechanical Governor	●
Low Oil Pressure Switch	●
Coolant Temperature Sender	●
Oil Temperature Sender	●
Radiator Guards	●
Hot Component Guards	●
Manual Oil Drain Pump (Canopy)	Δ
Water Jacket Heater	Δ
Pre-Filter with Separator	●
Fuel Level Sender	●
Internal Fuel Fill (Belly Tank)	●
3 Way Fuel Valve	●
Residential Silencer	●
Air Shut-Off Valve	Δ
Electronic Governor	x
Spark Arrestor	Δ
Standard: ● Not Available: x Optional: Δ	

ELECTRICAL FEATURES

AVR DSR	●
AVR DER	x
Winding Protection Standard	x
Winding Protection Standard +	x
Winding Protection Grey	x
Winding Protection Total	x
Winding Protection Total +	x
MAUX	x
PMG	Δ
Anti-Condensation Heater	Δ
3 Pole Moulded Case Circuit Breaker	x
4 Pole Moulded Case Circuit Breaker	●
Earth Leakage Protection (Switchable)	●
Preparation for Earth Spike	●
Optional Voltages	Δ
Emergency Stop Button (Control Panel)	●
External Emergency Stop Button	●
AGM Battery	Δ
Socket Panel (1 x 32A – 3ph, 3 x 32A – 1ph) IP44	Δ
Socket Panel (1 x 63A – 3ph, 3 x 32A – 1ph) IP44	Δ
Socket Panel (1 x 63A – 3ph, 2 x 32A – 3ph, 3 x 32A – 1ph) IP44 (1 x 125A – 3ph) IP67	Δ
Bund Alarm / Shut down	Δ
Remote Display	x
50Hz / 60Hz Switch	Δ
Standard: ● Not Available: x Optional: Δ	

BATTERY FEATURES

Battery Isolator	●
Battery Type	SEALED LEAD ACID
Battery Size (Ah)	TBC
Number of Batteries	1
Battery Charger	Δ

JCB COMMUNICATION AND CONTROL

7320 MKII	●
8610 MKII (Synchronisation)	Δ
8620 (Synchronisation)	x
LiveLink for Power (MKII Panel Only)	●
Standard: ● Not Available: x Optional: Δ	

WEIGHT AND DIMENSIONS

Length	mm	2265
Width	mm	950
Height	mm	1567
Shipping Volume (sea ready)	m ³	3.40
Weight*	Kg	1275

*Standard build with all fluids except fuel

CE PACK

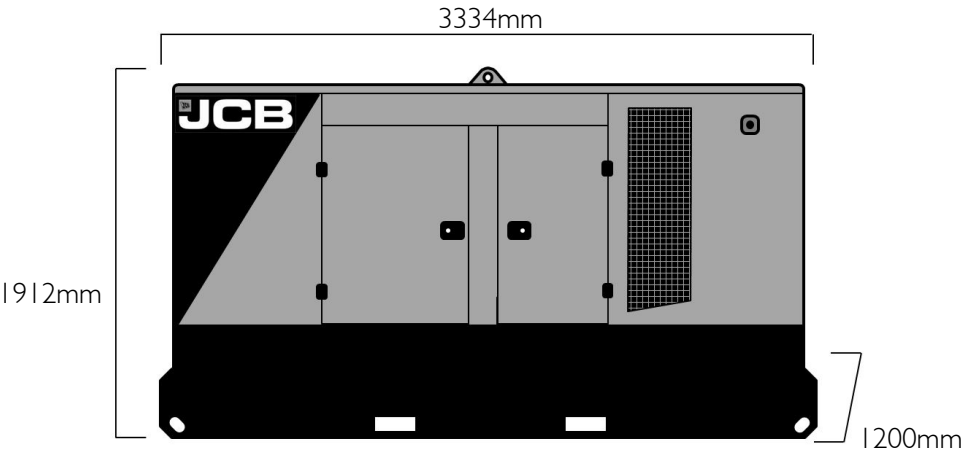
EMC Certification	●
Hot Guards	●
Belt Guards	●
Sound Power Decal	●
EU Declaration for Engine Emissions	●
Complete Machine Declaration of Conformity	●
Standard: ● Not Available: x Optional: Δ	

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 - 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 ISO 3046
- Information based on standard specification equipment unless otherwise stated.

G60RS | Rental Set



DIESEL GENERATOR

STAGE IIIA

ELECTRICAL

Frequency (Hz)	Phases	Voltage (V)	Prime		Standby		MCB Rating (A)	Minimum ATP Rating (A)	Rated Speed (RPM)
			kVA	kW	kVA	kW			
50	3	400/230V	60	48	66	53	100	100	1500
60	3	480/277V	N/A	N/A	N/A	N/A	N/A	N/A	1800

POWER FACTOR

3 Phase	0.8
1 Phase	1

MAXIMUM LOAD IMPACT*

kVA	40
kW	32

*With 20% voltage and 10% frequency deviation @ 50Hz, 400V

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CANOPY		
Lockable Maintenance Access Doors		●
Control Panel Viewing Window		●
Oversized Fork Pockets		●
Welded Single Lift Point		●
Bunding		●
Certified 4 Point Lift		●
High Density Fire Retardant Foam		●
Yellow Paint		Δ
White Paint		●
Heavy Duty Rental Base		●
Drag Bar		Δ
Galvanised Steel Canopy		●
Standard: ● Not Available: x Optional: Δ		

ALTERNATOR ECP32-2M4 B		
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			
Starter Motor	kW		4.20
Battery Capacity	Ah		120
Number of Batteries			1
Auxiliary Voltage	V		12

ENGINE			
		1500 RPM	
Net Output Rating (PRP)	kW		54
Net Output Rating (Standby)	kW		56
		1800 RPM	
Net Output Rating (PRP)	kW		N/A
Net Output Rating (Standby)	kW		N/A
Manufacturer and Model			JCB 448 G-TC 60
Fuel			Diesel
Injection			Direct
Aspiration			Turbo Charged
Cylinders			4
Bore and Stroke	mm		103 x 135
Displacement	L		4.77
Cooling			Water
Engine Oil Specification			API CH4
Compression Ratio			18 : 1
Engine Oil Capacity	L		15.00
Coolant Capacity	L		16.00
Governor			Mechanical
Air Filter			Two stage Paper Element
Engine Oil Consumption	100% Load		0.1% of fuel consumed

FUEL SYSTEM			
Diesel Specification			EN590
Standard Capacity Fuel Tank	L		280
Extended Capacity Fuel Tank(Optional)	L		560

FUEL CONSUMPTION

100% Load Prime	L/h	50Hz	15
75% Load Prime	L/h		11.9
50% Load Prime	L/h		8.20
100% Load Standby	L/h		15.50
100% Load Prime	L/h	60Hz	N/A
75% Load Prime	L/h		N/A
50% Load Prime	L/h		N/A
100% Load Standby	L/h		N/A

EXHAUST SYSTEM

Maximum Temperature 100% Standby	°C	50Hz	511.00
Exhaust Gas Flow 100% Standby	m ³ /min		13.43
Maximum Allowed Back Pressure	kPa		9.00
Exhaust Discharge Size	mm		80

AIR SYSTEM

Intake Air Flow 100% Standby	m ³ /h	50Hz	301.00
Total Cooling Air Flow 100% Standby	m ³ /s		3.30

SOUND PRESSURE

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

Cooling Pack	●
Air Filter	●
Mechanical Governor	●
Low Oil Pressure Switch	●
Coolant Temperature Sender	●
Oil Temperature Sender	●
Radiator Guards	●
Hot Component Guards	●
Manual Oil Drain Pump (Canopy)	Δ
Water Jacket Heater	Δ
Pre-Filter with Separator	●
Fuel Level Sender	●
Internal Fuel Fill (Belly Tank)	●
3 Way Fuel Valve	●
Residential Silencer	●
Air Shut-Off Valve	Δ
Electronic Governor	x
Spark Arrestor	Δ
Standard: ● Not Available: x Optional: Δ	

ELECTRICAL FEATURES

AVR DSR	●
AVR DER	x
Winding Protection Standard	x
Winding Protection Standard +	x
Winding Protection Grey	x
Winding Protection Total	x
Winding Protection Total +	●
MAUX	●
PMG	Δ
Anti-Condensation Heater	Δ
3 Pole Moulded Case Circuit Breaker	x
4 Pole Moulded Case Circuit Breaker	●
Earth Leakage Protection (Switchable)	●
Preparation for Earth Spike	●
Optional Voltages	Δ
Emergency Stop Button (Control Panel)	●
External Emergency Stop Button	●
AGM Battery	Δ
Socket Panel (1 x 32A – 3ph, 3 x 32A – 1ph) IP44	x
Socket Panel (1 x 63A – 3ph, 3 x 32A – 1ph) IP44	Δ
Socket Panel (1 x 63A – 3ph, 2 x 32A – 3ph, 3 x 32A – 1ph) IP44 (1 x 125A – 3ph) IP67	x
Bund Alarm / Shut down	Δ
Remote Display	x
50Hz / 60Hz Switch	Δ
Standard: ● Not Available: x Optional: Δ	

BATTERY FEATURES

Battery Isolator	●
Battery Type	SEALED LEAD ACID
Battery Size (Ah)	120
Number of Batteries	1
Battery Charger	Δ

JCB COMMUNICATION AND CONTROL

7320 MKII	●
8610 MKII (Synchronisation)	Δ
8620 (Synchronisation)	Δ
LiveLink for Power (MKII Panel Only)	●
Standard: ● Not Available: x Optional: Δ	

WEIGHT AND DIMENSIONS

Length	mm	3334
Width	mm	1200
Height	mm	1912
Shipping Volume (sea ready)	m ³	7.70
Weight*	Kg	2045

*Standard build with all fluids except fuel

CE PACK

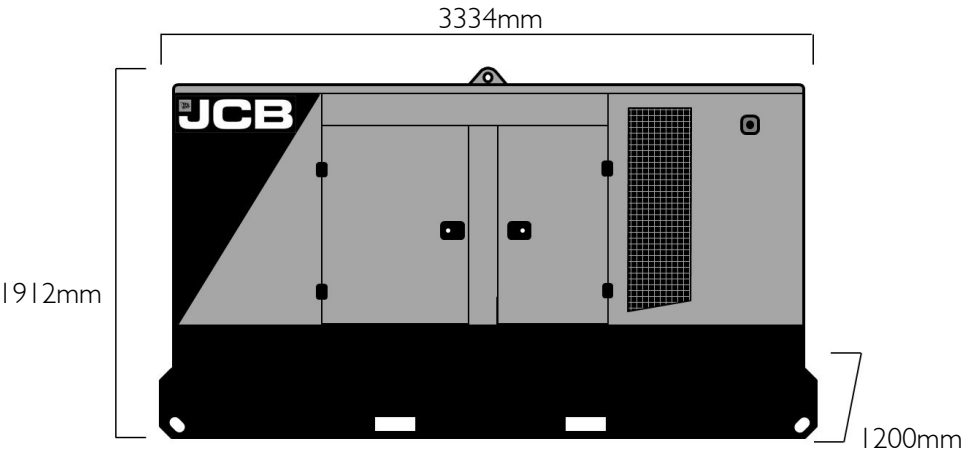
EMC Certification	●
Hot Guards	●
Belt Guards	●
Sound Power Decal	●
EU Declaration for Engine Emissions	●
Complete Machine Declaration of Conformity	●
Standard: ● Not Available: x Optional: Δ	

REFERENCE STANDARDS

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

- EN 12100, EN 13857, EN 60204
 - 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 ISO 3046
- Information based on standard specification equipment unless otherwise stated.

G80RS | Rental Set



DIESEL GENERATOR

STAGE IIIA

ELECTRICAL

Frequency (Hz)	Phases	Voltage (V)	Prime		Standby		MCB Rating (A)	Minimum ATP Rating (A)	Rated Speed (RPM)
			kVA	kW	kVA	kW			
50	3	400/230V	80	64	88	70	200	150	1500
60	3	480/277V	N/A	N/A	N/A	N/A	N/A	N/A	1800

POWER FACTOR

3 Phase	0.8
1 Phase	1

MAXIMUM LOAD IMPACT*

kVA	50
kW	40

*With 20% voltage and 10% frequency deviation @ 50Hz, 400V

ALL RATINGS ARE TO STANDARD REFERENCE CONDITIONS ISO 8528

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 500 hours per year, where the average load (variable) does not exceed 70% of the standby power rating. No overload is available.

Stage IIIA models are only emissions compliant at 50Hz Prime Power in accordance with 97-68EC.

JCB GENERATOR TECHNICAL SPECIFICATIONS. Tel: +44 (0)1889 272200. www.jcbgenerators.com. JCB reserves the right to change specifications without notice. Illustrations shown may include optional equipment and accessories.

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CANOPY		
Lockable Maintenance Access Doors		●
Control Panel Viewing Window		●
Oversized Fork Pockets		●
Welded Single Lift Point		●
Bunding		●
Certified 4 Point Lift		●
High Density Fire Retardant Foam		●
Yellow Paint		Δ
White Paint		●
Heavy Duty Rental Base		●
Drag Bar		Δ
Galvanised Steel Canopy		●
Standard: ● Not Available: x Optional: Δ		

ALTERNATOR ECP34-1S4 A		
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			
Starter Motor	kW		4.20
Battery Capacity	Ah		120
Number of Batteries			1
Auxiliary Voltage	V		12

ENGINE			
		1500 RPM	
Net Output Rating (PRP)	kW		71
Net Output Rating (Standby)	kW		74
		1800 RPM	
Net Output Rating (PRP)	kW		N/A
Net Output Rating (Standby)	kW		N/A
Manufacturer and Model			JCB 448 G-TC 72
Fuel			Diesel
Injection			Direct
Aspiration			Turbo Charged
Cylinders			4
Bore and Stroke	mm		103 x 135
Displacement	L		4.77
Cooling			Water
Engine Oil Specification			API CH4
Compression Ratio			18 : 1
Engine Oil Capacity	L		15.00
Coolant Capacity	L		16.00
Governor			Mechanical
Air Filter			Two stage Paper Element
Engine Oil Consumption	100% Load		0.1% of fuel consumed

FUEL SYSTEM			
Diesel Specification			EN590
Standard Capacity Fuel Tank	L		280
Extended Capacity Fuel Tank(Optional)	L		560

FUEL CONSUMPTION

100% Load Prime	L/h	50Hz	19.8
75% Load Prime	L/h		15.4
50% Load Prime	L/h		10.80
100% Load Standby	L/h		20.70
100% Load Prime	L/h	60Hz	N/A
75% Load Prime	L/h		N/A
50% Load Prime	L/h		N/A
100% Load Standby	L/h		N/A

EXHAUST SYSTEM

Maximum Temperature 100% Standby	°C	50Hz	571.00
Exhaust Gas Flow 100% Standby	m ³ /min		15.80
Maximum Allowed Back Pressure	kPa		10.00
Exhaust Discharge Size	mm		80

AIR SYSTEM

Intake Air Flow 100% Standby	m ³ /h	50Hz	328.00
Total Cooling Air Flow 100% Standby	m ³ /s		3.30

SOUND PRESSURE

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

Cooling Pack	●
Air Filter	●
Mechanical Governor	●
Low Oil Pressure Switch	●
Coolant Temperature Sender	●
Oil Temperature Sender	●
Radiator Guards	●
Hot Component Guards	●
Manual Oil Drain Pump (Canopy)	Δ
Water Jacket Heater	Δ
Pre-Filter with Separator	●
Fuel Level Sender	●
Internal Fuel Fill (Belly Tank)	●
3 Way Fuel Valve	●
Residential Silencer	●
Air Shut-Off Valve	Δ
Electronic Governor	x
Spark Arrestor	Δ
Standard: ● Not Available: x Optional: Δ	

ELECTRICAL FEATURES

AVR DSR	●
AVR DER	x
Winding Protection Standard	x
Winding Protection Standard +	x
Winding Protection Grey	x
Winding Protection Total	x
Winding Protection Total +	●
MAUX	●
PMG	Δ
Anti-Condensation Heater	Δ
3 Pole Moulded Case Circuit Breaker	x
4 Pole Moulded Case Circuit Breaker	●
Earth Leakage Protection (Switchable)	●
Preparation for Earth Spike	●
Optional Voltages	Δ
Emergency Stop Button (Control Panel)	●
External Emergency Stop Button	●
AGM Battery	Δ
Socket Panel (1 x 32A – 3ph, 3 x 32A – 1ph) IP44	x
Socket Panel (1 x 63A – 3ph, 3 x 32A – 1ph) IP44	x
Socket Panel (1 x 63A – 3ph, 2 x 32A – 3ph, 3 x 32A – 1ph) IP44 (1 x 125A – 3ph) IP67	Δ
Bund Alarm / Shut down	Δ
Remote Display	x
50Hz / 60Hz Switch	Δ
Standard: ● Not Available: x Optional: Δ	

BATTERY FEATURES

Battery Isolator	●
Battery Type	SEALED LEAD ACID
Battery Size (Ah)	120
Number of Batteries	1
Battery Charger	Δ

JCB COMMUNICATION AND CONTROL

7320 MKII	●
8610 MKII (Synchronisation)	Δ
8620 (Synchronisation)	Δ
LiveLink for Power (MKII Panel Only)	●
Standard: ● Not Available: x Optional: Δ	

WEIGHT AND DIMENSIONS

Length	mm	3334
Width	mm	1200
Height	mm	1912
Shipping Volume (sea ready)	m ³	7.70
Weight*	Kg	2045

*Standard build with all fluids except fuel

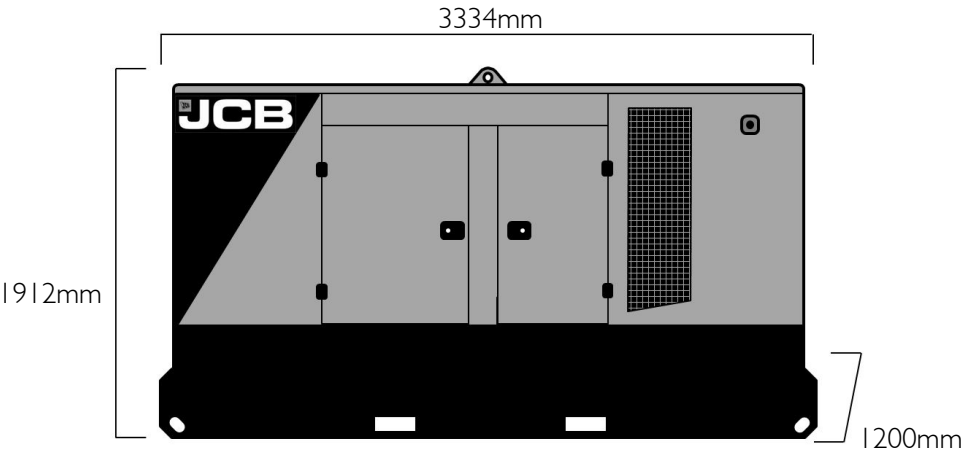
CE PACK

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, EN 13857, EN 60204
 - 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 ISO 3046
- Information based on standard specification equipment unless otherwise stated.



DIESEL GENERATOR

STAGE IIIA

ELECTRICAL

Frequency (Hz)	Phases	Voltage (V)	Prime		Standby		MCB Rating (A)	Minimum ATP Rating (A)	Rated Speed (RPM)
			kVA	kW	kVA	kW			
50	3	400/230V	100	80	110	88	200	200	1500
60	3	480/277V	N/A	N/A	N/A	N/A	N/A	N/A	1800

POWER FACTOR

3 Phase	0.8
1 Phase	1

MAXIMUM LOAD IMPACT*

kVA	60
kW	48

*With 20% voltage and 10% frequency deviation @ 50Hz, 400V

ALL RATINGS ARE TO STANDARD REFERENCE CONDITIONS ISO 8528

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 500 hours per year, where the average load (variable) does not exceed 70% of the standby power rating. No overload is available.

Stage IIIA models are only emissions compliant at 50Hz Prime Power in accordance with 97-68EC.

JCB GENERATOR TECHNICAL SPECIFICATIONS. Tel: +44 (0)1889 272200. www.jcbgenerators.com. JCB reserves the right to change specifications without notice. Illustrations shown may include optional equipment and accessories.

CANOPY		
Lockable Maintenance Access Doors		●
Control Panel Viewing Window		●
Oversized Fork Pockets		●
Welded Single Lift Point		●
Bunding		●
Certified 4 Point Lift		●
High Density Fire Retardant Foam		●
Yellow Paint		Δ
White Paint		●
Heavy Duty Rental Base		●
Drag Bar		Δ
Galvanised Steel Canopy		●
Standard: ● Not Available: x Optional: Δ		

ALTERNATOR ECP34-2S4 A		
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			
Starter Motor	kW		4.20
Battery Capacity	Ah		120
Number of Batteries			1
Auxiliary Voltage	V		12

ENGINE			
		1500 RPM	
Net Output Rating (PRP)	kW		88
Net Output Rating (Standby)	kW		93
		1800 RPM	
Net Output Rating (PRP)	kW		N/A
Net Output Rating (Standby)	kW		N/A
Manufacturer and Model			JCB 448 G-TCA 92
Fuel			Diesel
Injection			Direct
Aspiration			Turbo Charged
Cylinders			4
Bore and Stroke	mm		103 x 135
Displacement	L		4.77
Cooling			Water
Engine Oil Specification			API CH4
Compression Ratio			18 : 1
Engine Oil Capacity	L		15.00
Coolant Capacity	L		16.00
Governor			Mechanical
Air Filter			Two stage Paper Element
Engine Oil Consumption	100% Load		0.1% of fuel consumed

FUEL SYSTEM			
Diesel Specification			EN590
Standard Capacity Fuel Tank	L		280
Extended Capacity Fuel Tank(Optional)	L		560

FUEL CONSUMPTION

100% Load Prime	L/h	50Hz	23.6
75% Load Prime	L/h		17.8
50% Load Prime	L/h		12.50
100% Load Standby	L/h		25.60
100% Load Prime	L/h	60Hz	N/A
75% Load Prime	L/h		N/A
50% Load Prime	L/h		N/A
100% Load Standby	L/h		N/A

EXHAUST SYSTEM

Maximum Temperature 100% Standby	°C	50Hz	548.00
Exhaust Gas Flow 100% Standby	m ³ /min		18.86
Maximum Allowed Back Pressure	kPa	100	10.00
Exhaust Discharge Size	mm		

AIR SYSTEM

Intake Air Flow 100% Standby	m ³ /h	50Hz	402.00
Total Cooling Air Flow 100% Standby	m ³ /s		3.30

SOUND PRESSURE

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

Cooling Pack	●
Air Filter	●
Mechanical Governor	●
Low Oil Pressure Switch	●
Coolant Temperature Sender	●
Oil Temperature Sender	●
Radiator Guards	●
Hot Component Guards	●
Manual Oil Drain Pump (Canopy)	Δ
Water Jacket Heater	Δ
Pre-Filter with Separator	●
Fuel Level Sender	●
Internal Fuel Fill (Belly Tank)	●
3 Way Fuel Valve	●
Residential Silencer	●
Air Shut-Off Valve	Δ
Electronic Governor	Δ
Spark Arrestor	Δ
Standard: ● Not Available: x Optional: Δ	

ELECTRICAL FEATURES

AVR DSR	●
AVR DER	x
Winding Protection Standard	x
Winding Protection Standard +	x
Winding Protection Grey	x
Winding Protection Total	x
Winding Protection Total +	●
MAUX	●
PMG	Δ
Anti-Condensation Heater	Δ
3 Pole Moulded Case Circuit Breaker	x
4 Pole Moulded Case Circuit Breaker	●
Earth Leakage Protection (Switchable)	●
Preparation for Earth Spike	●
Optional Voltages	Δ
Emergency Stop Button (Control Panel)	●
External Emergency Stop Button	●
AGM Battery	Δ
Socket Panel (1 x 32A – 3ph, 3 x 32A – 1ph) IP44	x
Socket Panel (1 x 63A – 3ph, 3 x 32A – 1ph) IP44	x
Socket Panel (1 x 63A – 3ph, 2 x 32A – 3ph, 3 x 32A – 1ph) IP44 (1 x 125A – 3ph) IP67	Δ
Bund Alarm / Shut down	Δ
Remote Display	x
50Hz / 60Hz Switch	Δ
Standard: ● Not Available: x Optional: Δ	

BATTERY FEATURES

Battery Isolator	●
Battery Type	SEALED LEAD ACID
Battery Size (Ah)	120
Number of Batteries	1
Battery Charger	Δ

JCB COMMUNICATION AND CONTROL

7320 MKII	●
8610 MKII (Synchronisation)	Δ
8620 (Synchronisation)	Δ
LiveLink for Power (MKII Panel Only)	●
Standard: ● Not Available: x Optional: Δ	

WEIGHT AND DIMENSIONS

Length	mm	3334
Width	mm	1200
Height	mm	1912
Shipping Volume (sea ready)	m ³	7.70
Weight*	Kg	2120

*Standard build with all fluids except fuel

CE PACK

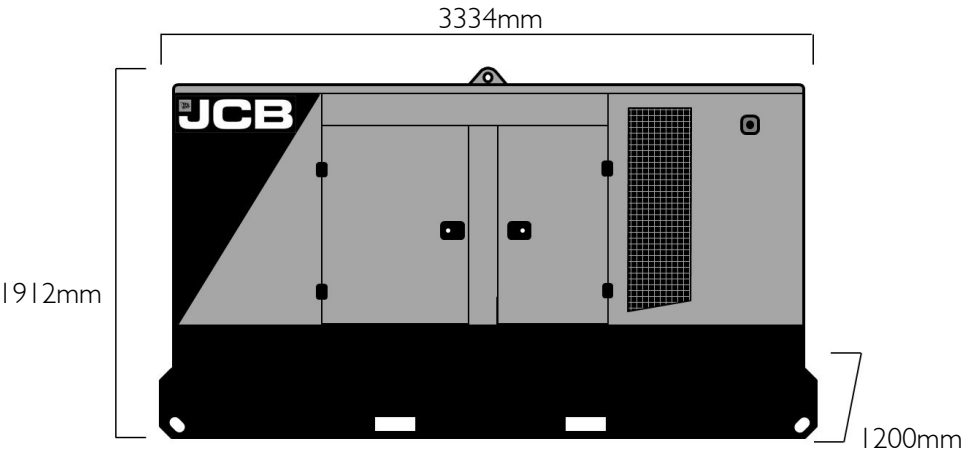
EMC Certification	●
Hot Guards	●
Belt Guards	●
Sound Power Decal	●
EU Declaration for Engine Emissions	●
Complete Machine Declaration of Conformity	●
Standard: ● Not Available: x Optional: Δ	

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.

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DIESEL GENERATOR

STAGE IIIA

ELECTRICAL

Frequency (Hz)	Phases	Voltage (V)	Prime		Standby		MCB Rating (A)	Minimum ATP Rating (A)	Rated Speed (RPM)
			kVA	kW	kVA	kW			
50	3	400/230V	125	100	140	112	200	200	1500
60	3	480/277V	N/A	N/A	N/A	N/A	N/A	N/A	1800

POWER FACTOR

3 Phase	0.8
1 Phase	1

MAXIMUM LOAD IMPACT*

kVA	75
kW	60

*With 20% voltage and 10% frequency deviation @ 50Hz, 400V

ALL RATINGS ARE TO STANDARD REFERENCE CONDITIONS ISO 8528

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 500 hours per year, where the average load (variable) does not exceed 70% of the standby power rating. No overload is available.

Stage IIIA models are only emissions compliant at 50Hz Prime Power in accordance with 97-68EC.

JCB GENERATOR TECHNICAL SPECIFICATIONS. Tel: +44 (0)1889 272200. www.jcbgenerators.com. JCB reserves the right to change specifications without notice. Illustrations shown may include optional equipment and accessories.

CANOPY

Lockable Maintenance Access Doors	●
Control Panel Viewing Window	●
Oversized Fork Pockets	●
Welded Single Lift Point	●
Bunding	●
Certified 4 Point Lift	●
High Density Fire Retardant Foam	●
Yellow Paint	Δ
White Paint	●
Heavy Duty Rental Base	●
Drag Bar	Δ
Galvanised Steel Canopy	●
Standard: ● Not Available: x Optional: Δ	

ALTERNATOR ECP34-1L4 A

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

Starter Motor	kW	3.00
Battery Capacity	Ah	120
Number of Batteries		1
Auxiliary Voltage	V	12

ENGINE

1500 RPM		
Net Output Rating (PRP)	kW	113
Net Output Rating (Standby)	kW	121
1800 RPM		
Net Output Rating (PRP)	kW	N/A
Net Output Rating (Standby)	kW	N/A
Manufacturer and Model		JCB 448 G-TCA 120
Fuel		Diesel
Injection		Direct
Aspiration		Turbo Charged
Cylinders		4
Bore and Stroke	mm	103 x 135
Displacement	L	4.77
Cooling		Water
Engine Oil Specification		API CH4
Compression Ratio		18 : 1
Engine Oil Capacity	L	15.00
Coolant Capacity	L	16.00
Governor		Electronic
Air Filter		Two stage Paper Element
Engine Oil Consumption	100% Load	0.1% of fuel consumed

FUEL SYSTEM

Diesel Specification		EN590
Standard Capacity Fuel Tank	L	280
Extended Capacity Fuel Tank(Optional)	L	560

FUEL CONSUMPTION

100% Load Prime	L/h	50Hz	29
75% Load Prime	L/h		22.1
50% Load Prime	L/h		15.50
100% Load Standby	L/h		31.80
100% Load Prime	L/h	60Hz	N/A
75% Load Prime	L/h		N/A
50% Load Prime	L/h		N/A
100% Load Standby	L/h		N/A

EXHAUST SYSTEM

Maximum Temperature 100% Standby	°C	50Hz	574.00
Exhaust Gas Flow 100% Standby	m ³ /min		22.70
Maximum Allowed Back Pressure	kPa	100	10.00
Exhaust Discharge Size	mm		

AIR SYSTEM

Intake Air Flow 100% Standby	m ³ /h	50Hz	550.00
Total Cooling Air Flow 100% Standby	m ³ /s		3.30

SOUND PRESSURE

LpA (7m)	50Hz	dB(A)	68
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MECHANICAL FEATURES

Cooling Pack	●
Air Filter	●
Mechanical Governor	x
Low Oil Pressure Switch	●
Coolant Temperature Sender	●
Oil Temperature Sender	●
Radiator Guards	●
Hot Component Guards	●
Manual Oil Drain Pump (Canopy)	Δ
Water Jacket Heater	Δ
Pre-Filter with Separator	●
Fuel Level Sender	●
Internal Fuel Fill (Belly Tank)	●
3 Way Fuel Valve	●
Residential Silencer	●
Air Shut-Off Valve	Δ
Electronic Governor	●
Spark Arrestor	Δ
Standard: ● Not Available: x Optional: Δ	

ELECTRICAL FEATURES

AVR DSR	●
AVR DER	x
Winding Protection Standard	x
Winding Protection Standard +	x
Winding Protection Grey	x
Winding Protection Total	x
Winding Protection Total +	●
MAUX	●
PMG	Δ
Anti-Condensation Heater	Δ
3 Pole Moulded Case Circuit Breaker	x
4 Pole Moulded Case Circuit Breaker	●
Earth Leakage Protection (Switchable)	●
Preparation for Earth Spike	●
Optional Voltages	Δ
Emergency Stop Button (Control Panel)	●
External Emergency Stop Button	●
AGM Battery	Δ
Socket Panel (1 x 32A – 3ph, 3 x 32A – 1ph) IP44	x
Socket Panel (1 x 63A – 3ph, 3 x 32A – 1ph) IP44	x
Socket Panel (1 x 63A – 3ph, 2 x 32A – 3ph, 3 x 32A – 1ph) IP44 (1 x 125A – 3ph) IP67	Δ
Bund Alarm / Shut down	Δ
Remote Display	x
50Hz / 60Hz Switch	Δ
Standard: ● Not Available: x Optional: Δ	

BATTERY FEATURES

Battery Isolator	●
Battery Type	SEALED LEAD ACID
Battery Size (Ah)	120
Number of Batteries	1
Battery Charger	Δ

JCB COMMUNICATION AND CONTROL

7320 MKII	●
8610 MKII (Synchronisation)	Δ
8620 (Synchronisation)	Δ
LiveLink for Power (MKII Panel Only)	●
Standard: ● Not Available: x Optional: Δ	

WEIGHT AND DIMENSIONS

Length	mm	3334
Width	mm	1200
Height	mm	1912
Shipping Volume (sea ready)	m ³	7.70
Weight*	Kg	2150

*Standard build with all fluids except fuel

CE PACK

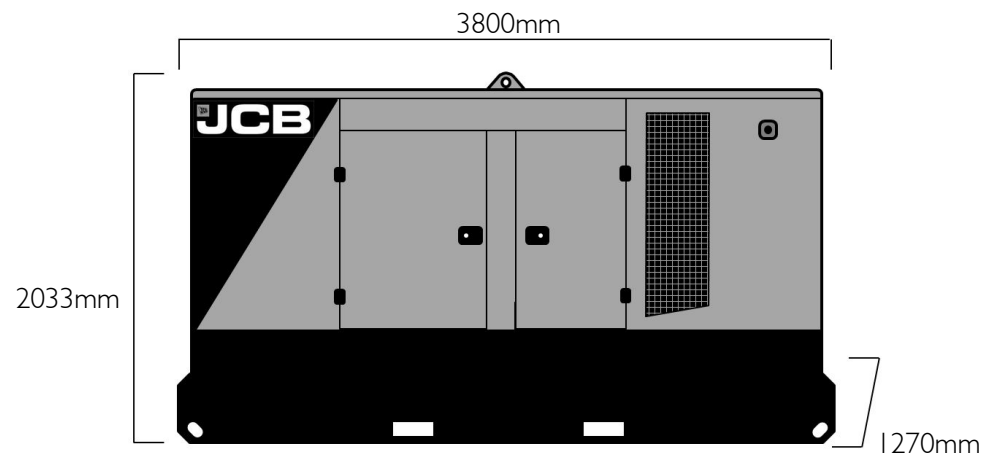
EMC Certification	●
Hot Guards	●
Belt Guards	●
Sound Power Decal	●
EU Declaration for Engine Emissions	●
Complete Machine Declaration of Conformity	●
Standard: ● Not Available: x Optional: Δ	

REFERENCE STANDARDS

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

- EN 12100, EN 13857, EN 60204
 - 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 ISO 3046
- Information based on standard specification equipment unless otherwise stated.

GI50RS | Rental Set



DIESEL GENERATOR

STAGE IIIA

ELECTRICAL

Frequency (Hz)	Phases	Voltage (V)	Prime		Standby		MCB Rating (A)	Minimum ATP Rating (A)	Rated Speed (RPM)
			kVA	kW	kVA	kW			
50	3	400/230V	150	120	165	132	250	250	1500
60	3	480/277V	145	116	156	125	250	250	1800

POWER FACTOR	
3 Phase	0.8
1 Phase	1

MAXIMUM LOAD IMPACT*	
kVA	TBC
kW	TBC

*With 20% voltage and 10% frequency deviation @ 50Hz, 400V

ALL RATINGS ARE TO STANDARD REFERENCE CONDITIONS ISO 8528

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 500 hours per year, where the average load (variable) does not exceed 70% of the standby power rating. No overload is available.

Stage IIIA models are only emissions compliant at 50Hz Prime Power in accordance with 97-68EC.

JCB GENERATOR TECHNICAL SPECIFICATIONS. Tel: +44 (0)1889 272200. www.jcbgenerators.com. JCB reserves the right to change specifications without notice. Illustrations shown may include optional equipment and accessories.

CANOPY

Lockable Maintenance Access Doors	●
Control Panel Viewing Window	●
Oversized Fork Pockets	●
Welded Single Lift Point	●
Bunding	●
Certified 4 Point Lift	●
High Density Fire Retardant Foam	●
Yellow Paint	Δ
White Paint	●
Heavy Duty Rental Base	●
Drag Bar	Δ
Galvanised Steel Canopy	●
Standard: ● Not Available: x Optional: Δ	

ALTERNATOR UCI 274F

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

Starter Motor	kW	TBC
Battery Capacity	Ah	850
Number of Batteries		1
Auxiliary Voltage	V	12

ENGINE

1500 RPM		
Net Output Rating (PRP)	kW	123
Net Output Rating (Standby)	kW	137
1800 RPM		
Net Output Rating (PRP)	kW	143
Net Output Rating (Standby)	kW	157
Manufacturer and Model		JOHN DEERE 6068HUFU82
Fuel		Diesel
Injection		Direct
Aspiration		Turbo Charged
Cylinders		6
Bore and Stroke	mm	106 x 127
Displacement	L	6.80
Cooling		Water
Engine Oil Specification		JCB EP 15W40
Compression Ratio		17.2 : 1
Engine Oil Capacity	L	24.60
Coolant Capacity	L	11.30
Governor		Electronic
Air Filter		Two stage Paper Element
Engine Oil Consumption	100% Load	0.1% of fuel consumed

FUEL SYSTEM

Diesel Specification		EN590
Standard Capacity Fuel Tank	L	515
Extended Capacity Fuel Tank(Optional)	L	TBC

FUEL CONSUMPTION

100% Load Prime	L/h	50Hz	34.8
75% Load Prime	L/h		24.4
50% Load Prime	L/h		17.80
100% Load Standby	L/h		34.20
100% Load Prime	L/h	60Hz	36.0
75% Load Prime	L/h		25.4
50% Load Prime	L/h		18.6
100% Load Standby	L/h		35.5

EXHAUST SYSTEM

Maximum Temperature 100% Standby	°C	50Hz	545.00
Exhaust Gas Flow 100% Standby	m ³ /min		25.98
Maximum Allowed Back Pressure	kPa	100	7.50
Exhaust Discharge Size	mm		

AIR SYSTEM

Intake Air Flow 100% Standby	m ³ /h	50Hz	252.00
Total Cooling Air Flow 100% Standby	m ³ /s		4.20

SOUND PRESSURE

LpA (7m)	50Hz	dB(A)	68
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MECHANICAL FEATURES

Cooling Pack	●
Air Filter	●
Mechanical Governor	x
Low Oil Pressure Switch	●
Coolant Temperature Sender	●
Oil Temperature Sender	●
Radiator Guards	●
Hot Component Guards	●
Manual Oil Drain Pump (Canopy)	Δ
Water Jacket Heater	Δ
Pre-Filter with Separator	●
Fuel Level Sender	●
Internal Fuel Fill (Belly Tank)	●
3 Way Fuel Valve	●
Residential Silencer	●
Air Shut-Off Valve	Δ
Electronic Governor	●
Spark Arrestor	Δ
Standard: ● Not Available: x Optional: Δ	

ELECTRICAL FEATURES

AVR DSR	●
AVR DER	x
Winding Protection Standard	x
Winding Protection Standard +	x
Winding Protection Grey	x
Winding Protection Total	x
Winding Protection Total +	x
MAUX	x
PMG	Δ
Anti-Condensation Heater	Δ
3 Pole Moulded Case Circuit Breaker	x
4 Pole Moulded Case Circuit Breaker	●
Earth Leakage Protection (Switchable)	●
Preparation for Earth Spike	●
Optional Voltages	Δ
Emergency Stop Button (Control Panel)	●
External Emergency Stop Button	●
AGM Battery	Δ
Socket Panel (1 x 32A – 3ph, 3 x 32A – 1ph) IP44	Δ
Socket Panel (1 x 63A – 3ph, 3 x 32A – 1ph) IP44	Δ
Socket Panel (1 x 63A – 3ph, 2 x 32A – 3ph, 3 x 32A – 1ph) IP44 (1 x 125A – 3ph) IP67	Δ
Bund Alarm / Shut down	Δ
Remote Display	x
50Hz / 60Hz Switch	Δ
Standard: ● Not Available: x Optional: Δ	

BATTERY FEATURES

Battery Isolator	●
Battery Type	SEALED LEAD ACID
Battery Size (Ah)	TBC
Number of Batteries	1
Battery Charger	Δ

JCB COMMUNICATION AND CONTROL

7320 MKII	●
8610 MKII (Synchronisation)	Δ
8620 (Synchronisation)	x
LiveLink for Power (MKII Panel Only)	●
Standard: ● Not Available: x Optional: Δ	

WEIGHT AND DIMENSIONS

Length	mm	3800
Width	mm	1270
Height	mm	2033
Shipping Volume (sea ready)	m ³	9.80
Weight*	Kg	3400

*Standard build with all fluids except fuel

CE PACK

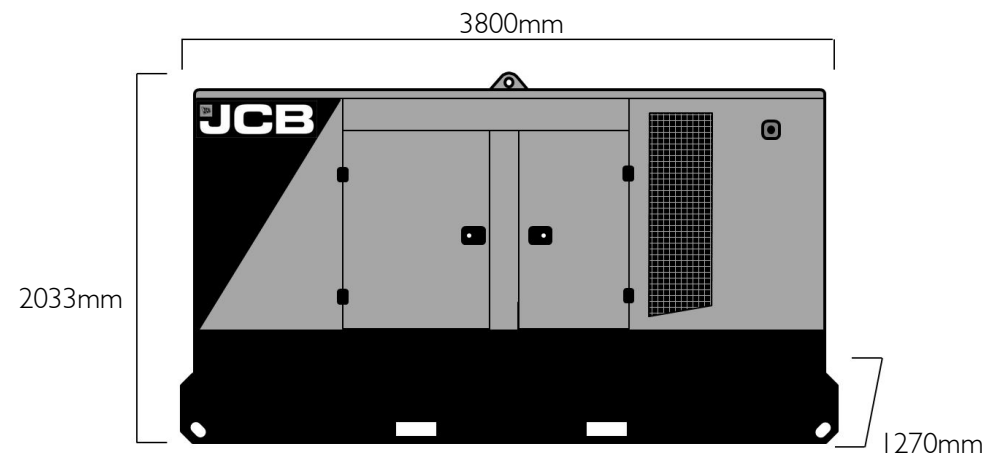
EMC Certification	●
Hot Guards	●
Belt Guards	●
Sound Power Decal	●
EU Declaration for Engine Emissions	●
Complete Machine Declaration of Conformity	●
Standard: ● Not Available: x Optional: Δ	

REFERENCE STANDARDS

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

- EN 12100, EN 13857, EN 60204
 - 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 ISO 3046
- Information based on standard specification equipment unless otherwise stated.

G200RS | Rental Set



DIESEL GENERATOR

STAGE IIIA

ELECTRICAL

Frequency (Hz)	Phases	Voltage (V)	Prime		Standby		MCB Rating (A)	Minimum ATP Rating (A)	Rated Speed (RPM)
			kVA	kW	kVA	kW			
50	3	400/230V	200	160	220	176	400	400	1500
60	3	480/277V	200	160	219	175	400	400	1800

POWER FACTOR

3 Phase	0.8
1 Phase	1

MAXIMUM LOAD IMPACT*

kVA	TBC
kW	TBC

*With 20% voltage and 10% frequency deviation @ 50Hz, 400V

ALL RATINGS ARE TO STANDARD REFERENCE CONDITIONS ISO 8528

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 500 hours per year, where the average load (variable) does not exceed 70% of the standby power rating. No overload is available.

Stage IIIA models are only emissions compliant at 50Hz Prime Power in accordance with 97-68EC.

JCB GENERATOR TECHNICAL SPECIFICATIONS. Tel: +44 (0)1889 272200. www.jcbgenerators.com. JCB reserves the right to change specifications without notice. Illustrations shown may include optional equipment and accessories.

CANOPY		
Lockable Maintenance Access Doors		●
Control Panel Viewing Window		●
Oversized Fork Pockets		●
Welded Single Lift Point		●
Bunding		●
Certified 4 Point Lift		●
High Density Fire Retardant Foam		●
Yellow Paint		Δ
White Paint		●
Heavy Duty Rental Base		●
Drag Bar		Δ
Galvanised Steel Canopy		●
Standard: ● Not Available: x Optional: Δ		

ALTERNATOR UCI 274H		
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			
Starter Motor	kW		TBC
Battery Capacity	Ah		850
Number of Batteries			1
Auxiliary Voltage	V		12

ENGINE			
		1500 RPM	
Net Output Rating (PRP)	kW		169
Net Output Rating (Standby)	kW		187
		1800 RPM	
Net Output Rating (PRP)	kW		194
Net Output Rating (Standby)	kW		212
Manufacturer and Model			JOHN DEERE 6068HFU82
Fuel			Diesel
Injection			Direct
Aspiration			Turbo Charged
Cylinders			6
Bore and Stroke	mm		106 x 127
Displacement	L		6.80
Cooling			Water
Engine Oil Specification			JCB EP 15W40
Compression Ratio			17.2 : 2
Engine Oil Capacity	L		24.60
Coolant Capacity	L		11.30
Governor			Electronic
Air Filter			Two stage Paper Element
Engine Oil Consumption	100% Load		0.1% of fuel consumed

FUEL SYSTEM			
Diesel Specification			EN590
Standard Capacity Fuel Tank	L		515
Extended Capacity Fuel Tank(Optional)	L		TBC

FUEL CONSUMPTION

100% Load Prime	L/h	50Hz	46.2
75% Load Prime	L/h		37.3
50% Load Prime	L/h		25.40
100% Load Standby	L/h		48.50
100% Load Prime	L/h	60Hz	47.8
75% Load Prime	L/h		38.0
50% Load Prime	L/h		26.4
100% Load Standby	L/h		51.1

EXHAUST SYSTEM

Maximum Temperature 100% Standby	°C	50Hz	600.00
Exhaust Gas Flow 100% Standby	m ³ /min		30.12
Maximum Allowed Back Pressure	kPa	100	7.50
Exhaust Discharge Size	mm		

AIR SYSTEM

Intake Air Flow 100% Standby	m ³ /h	50Hz	597.00
Total Cooling Air Flow 100% Standby	m ³ /s		5.60

SOUND PRESSURE

LpA (7m)	50Hz	dB(A)	68
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MECHANICAL FEATURES

Cooling Pack	●
Air Filter	●
Mechanical Governor	x
Low Oil Pressure Switch	●
Coolant Temperature Sender	●
Oil Temperature Sender	●
Radiator Guards	●
Hot Component Guards	●
Manual Oil Drain Pump (Canopy)	Δ
Water Jacket Heater	Δ
Pre-Filter with Separator	●
Fuel Level Sender	●
Internal Fuel Fill (Belly Tank)	●
3 Way Fuel Valve	●
Residential Silencer	●
Air Shut-Off Valve	Δ
Electronic Governor	●
Spark Arrestor	Δ
Standard: ● Not Available: x Optional: Δ	

ELECTRICAL FEATURES

AVR DSR	●
AVR DER	x
Winding Protection Standard	x
Winding Protection Standard +	x
Winding Protection Grey	x
Winding Protection Total	x
Winding Protection Total +	x
MAUX	x
PMG	Δ
Anti-Condensation Heater	Δ
3 Pole Moulded Case Circuit Breaker	x
4 Pole Moulded Case Circuit Breaker	●
Earth Leakage Protection (Switchable)	●
Preparation for Earth Spike	●
Optional Voltages	Δ
Emergency Stop Button (Control Panel)	●
External Emergency Stop Button	●
AGM Battery	Δ
Socket Panel (1 x 32A – 3ph, 3 x 32A – 1ph) IP44	Δ
Socket Panel (1 x 63A – 3ph, 3 x 32A – 1ph) IP44	Δ
Socket Panel (1 x 63A – 3ph, 2 x 32A – 3ph, 3 x 32A – 1ph) IP44 (1 x 125A – 3ph) IP67	Δ
Bund Alarm / Shut down	Δ
Remote Display	x
50Hz / 60Hz Switch	Δ
Standard: ● Not Available: x Optional: Δ	

BATTERY FEATURES

Battery Isolator	●
Battery Type	SEALED LEAD ACID
Battery Size (Ah)	TBC
Number of Batteries	1
Battery Charger	Δ

JCB COMMUNICATION AND CONTROL

7320 MKII	●
8610 MKII (Synchronisation)	Δ
8620 (Synchronisation)	x
LiveLink for Power (MKII Panel Only)	●
Standard: ● Not Available: x Optional: Δ	

WEIGHT AND DIMENSIONS

Length	mm	3800
Width	mm	1270
Height	mm	2033
Shipping Volume (sea ready)	m ³	9.80
Weight*	Kg	3500

*Standard build with all fluids except fuel

CE PACK

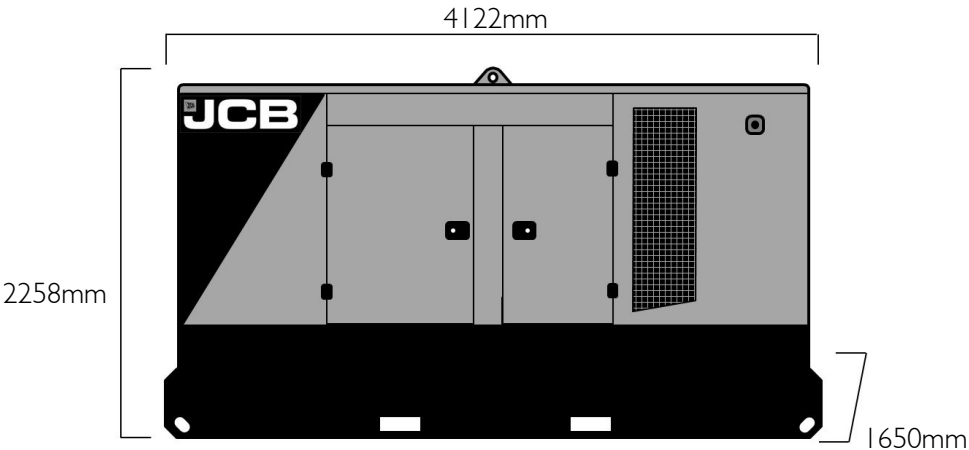
EMC Certification	●
Hot Guards	●
Belt Guards	●
Sound Power Decal	●
EU Declaration for Engine Emissions	●
Complete Machine Declaration of Conformity	●
Standard: ● Not Available: x Optional: Δ	

REFERENCE STANDARDS

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- EN 12100, EN 13857, EN 60204
 - 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 ISO 3046
- Information based on standard specification equipment unless otherwise stated.

G250RS | Rental Set



DIESEL GENERATOR

STAGE IIIA

ELECTRICAL

Frequency (Hz)	Phases	Voltage (V)	Prime		Standby		MCB Rating (A)	Minimum ATP Rating (A)	Rated Speed (RPM)
			kVA	kW	kVA	kW			
50	3	400/230V	250	200	275	220	630	630	1500
60	3	480/277V	260	208	281	225	630	630	1800

POWER FACTOR

3 Phase	0.8
1 Phase	1

MAXIMUM LOAD IMPACT*

kVA	TBC
kW	TBC

*With 20% voltage and 10% frequency deviation @ 50Hz, 400V

ALL RATINGS ARE TO STANDARD REFERENCE CONDITIONS ISO 8528

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 500 hours per year, where the average load (variable) does not exceed 70% of the standby power rating. No overload is available.

Stage IIIA models are only emissions compliant at 50Hz Prime Power in accordance with 97-68EC.

JCB GENERATOR TECHNICAL SPECIFICATIONS. Tel: +44 (0)1889 272200. www.jcbgenerators.com. JCB reserves the right to change specifications without notice. Illustrations shown may include optional equipment and accessories.

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CANOPY		
Lockable Maintenance Access Doors		●
Control Panel Viewing Window		●
Oversized Fork Pockets		●
Welded Single Lift Point		●
Bunding		●
Certified 4 Point Lift		●
High Density Fire Retardant Foam		●
Yellow Paint		Δ
White Paint		●
Heavy Duty Rental Base		●
Drag Bar		Δ
Galvanised Steel Canopy		●
Standard: ● Not Available: x Optional: Δ		

ALTERNATOR UCDI 274K		
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			
Starter Motor	kW		TBC
Battery Capacity	Ah		850
Number of Batteries			1
Auxiliary Voltage	V		12

ENGINE			
		1500 RPM	
Net Output Rating (PRP)	kW		225
Net Output Rating (Standby)	kW		248
		1800 RPM	
Net Output Rating (PRP)	kW		235
Net Output Rating (Standby)	kW		258
Manufacturer and Model			JOHN DEERE 6090HFU84
Fuel			Diesel
Injection			Direct
Aspiration			Turbo Charged
Cylinders			6
Bore and Stroke	mm		118 x 136
Displacement	L		9.00
Cooling			Water
Engine Oil Specification			JCB EP 15W40
Compression Ratio			16 : 1
Engine Oil Capacity	L		31.00
Coolant Capacity	L		17.00
Governor			Electronic
Air Filter			Two stage Paper Element
Engine Oil Consumption	100% Load		0.1% of fuel consumed

FUEL SYSTEM			
Diesel Specification			EN590
Standard Capacity Fuel Tank	L		520
Extended Capacity Fuel Tank(Optional)	L		TBC

FUEL CONSUMPTION

100% Load Prime	L/h	50Hz	52.1
75% Load Prime	L/h		40.2
50% Load Prime	L/h		28.10
100% Load Standby	L/h		56.90
100% Load Prime	L/h	60Hz	51.5
75% Load Prime	L/h		43.4
50% Load Prime	L/h		32.2
100% Load Standby	L/h		56.7

EXHAUST SYSTEM

Maximum Temperature 100% Standby	°C	50Hz	552.00
Exhaust Gas Flow 100% Standby	m ³ /min		47.40
Maximum Allowed Back Pressure	kPa		7.50
Exhaust Discharge Size	mm	178	

AIR SYSTEM

Intake Air Flow 100% Standby	m ³ /h	50Hz	1080.00
Total Cooling Air Flow 100% Standby	m ³ /s		6.50

SOUND PRESSURE

LpA (7m)	50Hz	dB(A)	68
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MECHANICAL FEATURES

Cooling Pack	●
Air Filter	●
Mechanical Governor	x
Low Oil Pressure Switch	●
Coolant Temperature Sender	●
Oil Temperature Sender	●
Radiator Guards	●
Hot Component Guards	●
Manual Oil Drain Pump (Canopy)	Δ
Water Jacket Heater	Δ
Pre-Filter with Separator	●
Fuel Level Sender	●
Internal Fuel Fill (Belly Tank)	●
3 Way Fuel Valve	●
Residential Silencer	●
Air Shut-Off Valve	Δ
Electronic Governor	●
Spark Arrestor	Δ
Standard: ● Not Available: x Optional: Δ	

ELECTRICAL FEATURES

AVR DSR	●
AVR DER	x
Winding Protection Standard	x
Winding Protection Standard +	x
Winding Protection Grey	x
Winding Protection Total	x
Winding Protection Total +	x
MAUX	x
PMG	Δ
Anti-Condensation Heater	Δ
3 Pole Moulded Case Circuit Breaker	x
4 Pole Moulded Case Circuit Breaker	●
Earth Leakage Protection (Switchable)	●
Preparation for Earth Spike	●
Optional Voltages	Δ
Emergency Stop Button (Control Panel)	●
External Emergency Stop Button	●
AGM Battery	Δ
Socket Panel (1 x 32A – 3ph, 3 x 32A – 1ph) IP44	x
Socket Panel (1 x 63A – 3ph, 3 x 32A – 1ph) IP44	x
Socket Panel (1 x 63A – 3ph, 2 x 32A – 3ph, 3 x 32A – 1ph) IP44 (1 x 125A – 3ph) IP67	x
Bund Alarm / Shut down	Δ
Remote Display	x
50Hz / 60Hz Switch	Δ
Standard: ● Not Available: x Optional: Δ	

BATTERY FEATURES

Battery Isolator	●
Battery Type	SEALED LEAD ACID
Battery Size (Ah)	TBC
Number of Batteries	1
Battery Charger	Δ

JCB COMMUNICATION AND CONTROL

7320 MKII	●
8610 MKII (Synchronisation)	Δ
8620 (Synchronisation)	x
LiveLink for Power (MKII Panel Only)	●
Standard: ● Not Available: x Optional: Δ	

WEIGHT AND DIMENSIONS

Length	mm	4122
Width	mm	1650
Height	mm	2258
Shipping Volume (sea ready)	m ³	15.40
Weight*	Kg	4448

*Standard build with all fluids except fuel

CE PACK

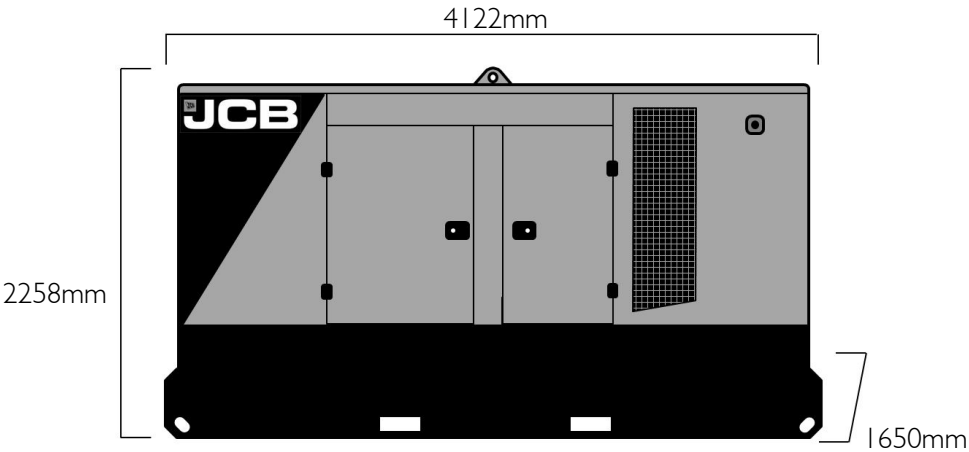
EMC Certification	●
Hot Guards	●
Belt Guards	●
Sound Power Decal	●
EU Declaration for Engine Emissions	●
Complete Machine Declaration of Conformity	●
Standard: ● Not Available: x Optional: Δ	

REFERENCE STANDARDS

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

- EN 12100, EN 13857, EN 60204
 - 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 ISO 3046
- Information based on standard specification equipment unless otherwise stated.

G300RS | Rental Set



DIESEL GENERATOR

STAGE IIIA

ELECTRICAL

Frequency (Hz)	Phases	Voltage (V)	Prime		Standby		MCB Rating (A)	Minimum ATP Rating (A)	Rated Speed (RPM)
			kVA	kW	kVA	kW			
50	3	400/230V	300	240	330	264	630	630	1500
60	3	480/277V	320	256	350	280	630	630	1800

POWER FACTOR	
3 Phase	0.8
1 Phase	1

MAXIMUM LOAD IMPACT*	
kVA	TBC
kW	TBC

*With 20% voltage and 10% frequency deviation @ 50Hz, 400V

ALL RATINGS ARE TO STANDARD REFERENCE CONDITIONS ISO 8528

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 500 hours per year, where the average load (variable) does not exceed 70% of the standby power rating. No overload is available.

Stage IIIA models are only emissions compliant at 50Hz Prime Power in accordance with 97-68EC.

JCB GENERATOR TECHNICAL SPECIFICATIONS. Tel: +44 (0)1889 272200. www.jcbgenerators.com. JCB reserves the right to change specifications without notice. Illustrations shown may include optional equipment and accessories.

G300RS | Rental Set



CANOPY		
Lockable Maintenance Access Doors		●
Control Panel Viewing Window		●
Oversized Fork Pockets		●
Welded Single Lift Point		●
Bunding		●
Certified 4 Point Lift		●
High Density Fire Retardant Foam		●
Yellow Paint		Δ
White Paint		●
Heavy Duty Rental Base		●
Drag Bar		Δ
Galvanised Steel Canopy		●
Standard: ● Not Available: x Optional: Δ		

ALTERNATOR HCI 444D		
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			
Starter Motor	kW		TBC
Battery Capacity	Ah		850
Number of Batteries			1
Auxiliary Voltage	V		12

ENGINE			
		1500 RPM	
Net Output Rating (PRP)	kW		272
Net Output Rating (Standby)	kW		299
		1800 RPM	
Net Output Rating (PRP)	kW		286
Net Output Rating (Standby)	kW		315
Manufacturer and Model			JOHN DEERE 6090HFU84
Fuel			Diesel
Injection			Direct
Aspiration			Turbo Charged
Cylinders			6
Bore and Stroke	mm		118 x 136
Displacement	L		9.00
Cooling			Water
Engine Oil Specification			JCB EP 15W40
Compression Ratio			16 : 1
Engine Oil Capacity	L		31.00
Coolant Capacity	L		17.00
Governor			Electronic
Air Filter			Two stage Paper Element
Engine Oil Consumption	100% Load		0.1% of fuel consumed

FUEL SYSTEM			
Diesel Specification			EN590
Standard Capacity Fuel Tank	L		520
Extended Capacity Fuel Tank(Optional)	L		TBC

FUEL CONSUMPTION

100% Load Prime	L/h	50Hz	62.9
75% Load Prime	L/h		49.4
50% Load Prime	L/h		36.30
100% Load Standby	L/h		69.20
100% Load Prime	L/h	60Hz	62.4
75% Load Prime	L/h		53.6
50% Load Prime	L/h		38.0
100% Load Standby	L/h		68.6

EXHAUST SYSTEM

Maximum Temperature 100% Standby	°C	50Hz	714.00
Exhaust Gas Flow 100% Standby	m ³ /min		57.60
Maximum Allowed Back Pressure	kPa		7.50
Exhaust Discharge Size	mm		178

AIR SYSTEM

Intake Air Flow 100% Standby	m ³ /h	50Hz	1296.00
Total Cooling Air Flow 100% Standby	m ³ /s		6.50

SOUND PRESSURE

LpA (7m)	50Hz	dB(A)	68
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MECHANICAL FEATURES

Cooling Pack	●
Air Filter	●
Mechanical Governor	x
Low Oil Pressure Switch	●
Coolant Temperature Sender	●
Oil Temperature Sender	●
Radiator Guards	●
Hot Component Guards	●
Manual Oil Drain Pump (Canopy)	Δ
Water Jacket Heater	Δ
Pre-Filter with Separator	●
Fuel Level Sender	●
Internal Fuel Fill (Belly Tank)	●
3 Way Fuel Valve	●
Residential Silencer	●
Air Shut-Off Valve	Δ
Electronic Governor	●
Spark Arrestor	Δ
Standard: ● Not Available: x Optional: Δ	

G300RS | Rental Set



ELECTRICAL FEATURES

AVR DSR	●
AVR DER	x
Winding Protection Standard	x
Winding Protection Standard +	x
Winding Protection Grey	x
Winding Protection Total	x
Winding Protection Total +	x
MAUX	x
PMG	Δ
Anti-Condensation Heater	Δ
3 Pole Moulded Case Circuit Breaker	x
4 Pole Moulded Case Circuit Breaker	●
Earth Leakage Protection (Switchable)	●
Preparation for Earth Spike	●
Optional Voltages	Δ
Emergency Stop Button (Control Panel)	●
External Emergency Stop Button	●
AGM Battery	Δ
Socket Panel (1 x 32A – 3ph, 3 x 32A – 1ph) IP44	x
Socket Panel (1 x 63A – 3ph, 3 x 32A – 1ph) IP44	x
Socket Panel (1 x 63A – 3ph, 2 x 32A – 3ph, 3 x 32A – 1ph) IP44 (1 x 125A – 3ph) IP67	x
Bund Alarm / Shut down	Δ
Remote Display	x
50Hz / 60Hz Switch	Δ
Standard: ● Not Available: x Optional: Δ	

BATTERY FEATURES

Battery Isolator	●
Battery Type	SEALED LEAD ACID
Battery Size (Ah)	TBC
Number of Batteries	1
Battery Charger	Δ

JCB COMMUNICATION AND CONTROL

7320 MKII	●
8610 MKII (Synchronisation)	Δ
8620 (Synchronisation)	x
LiveLink for Power (MKII Panel Only)	●
Standard: ● Not Available: x Optional: Δ	

WEIGHT AND DIMENSIONS

Length	mm	4122
Width	mm	1650
Height	mm	2258
Shipping Volume (sea ready)	m ³	15.40
Weight*	Kg	4668

*Standard build with all fluids except fuel

CE PACK

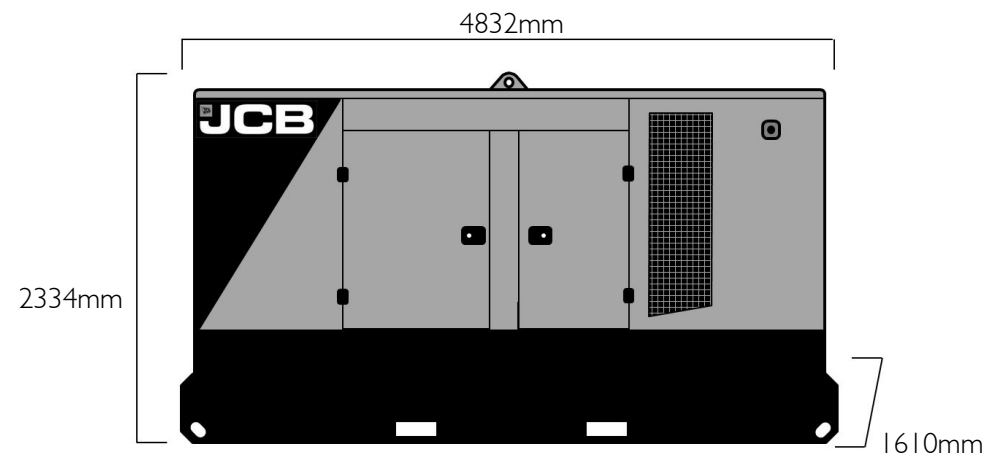
EMC Certification	●
Hot Guards	●
Belt Guards	●
Sound Power Decal	●
EU Declaration for Engine Emissions	●
Complete Machine Declaration of Conformity	●
Standard: ● Not Available: x Optional: Δ	

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.

G500RS | Rental Set



DIESEL GENERATOR

STAGE IIIA

ELECTRICAL

Frequency (Hz)	Phases	Voltage (V)	Prime		Standby		MCB Rating (A)	Minimum ATP Rating (A)	Rated Speed (RPM)
			kVA	kW	kVA	kW			
50	3	400/230V	500	400	550	440	800	800	1500
60	3	480/277V	569	455	625	500	800	800	1800

POWER FACTOR	
3 Phase	0.8
1 Phase	1

MAXIMUM LOAD IMPACT*	
kVA	TBC
kW	TBC

*With 20% voltage and 10% frequency deviation @ 50Hz, 400V

ALL RATINGS ARE TO STANDARD REFERENCE CONDITIONS ISO 8528

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 500 hours per year, where the average load (variable) does not exceed 70% of the standby power rating. No overload is available.

Stage IIIA models are only emissions compliant at 50Hz Prime Power in accordance with 97-68EC.

JCB GENERATOR TECHNICAL SPECIFICATIONS. Tel: +44 (0)1889 272200. www.jcbgenerators.com. JCB reserves the right to change specifications without notice. Illustrations shown may include optional equipment and accessories.

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CANOPY		
Lockable Maintenance Access Doors		●
Control Panel Viewing Window		●
Oversized Fork Pockets		●
Welded Single Lift Point		●
Bunding		●
Certified 4 Point Lift		●
High Density Fire Retardant Foam		●
Yellow Paint		Δ
White Paint		●
Heavy Duty Rental Base		●
Drag Bar		Δ
Galvanised Steel Canopy		●
Standard: ● Not Available: x Optional: Δ		

ALTERNATOR HCI 544D		
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			
Starter Motor	kW		TBC
Battery Capacity	Ah		850
Number of Batteries			2
Auxiliary Voltage	V		12

ENGINE			
		1500 RPM	
Net Output Rating (PRP)	kW		419
Net Output Rating (Standby)	kW		462
		1800 RPM	
Net Output Rating (PRP)	kW		430
Net Output Rating (Standby)	kW		473
Manufacturer and Model			VOLVO TAD1651GE
Fuel			Diesel
Injection			Direct
Aspiration			Turbo Charged
Cylinders			6
Bore and Stroke	mm		144 x 165
Displacement	L		16.12
Cooling			Water
Engine Oil Specification			JCB EP 15W40
Compression Ratio			16.5 : 1
Engine Oil Capacity	L		40.00
Coolant Capacity	L		33.00
Governor			Electronic
Air Filter			Two stage Paper Element
Engine Oil Consumption	100% Load		0.1% of fuel consumed

FUEL SYSTEM			
Diesel Specification			EN590
Standard Capacity Fuel Tank	L		900
Extended Capacity Fuel Tank(Optional)	L		TBC

FUEL CONSUMPTION

100% Load Prime	L/h	50Hz	120.3
75% Load Prime	L/h		88
50% Load Prime	L/h		61.00
100% Load Standby	L/h		135.10
100% Load Prime	L/h	60Hz	120.3
75% Load Prime	L/h		88.0
50% Load Prime	L/h		61.0
100% Load Standby	L/h		135.1

EXHAUST SYSTEM

Maximum Temperature 100% Standby	°C	50Hz	487.00
Exhaust Gas Flow 100% Standby	m ³ /min		105.00
Maximum Allowed Back Pressure	kPa		8.00
Exhaust Discharge Size	mm		200

AIR SYSTEM

Intake Air Flow 100% Standby	m ³ /h	50Hz	1918.80
Total Cooling Air Flow 100% Standby	m ³ /s		7.60

SOUND PRESSURE

LpA (7m)	50Hz	dB(A)	70
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MECHANICAL FEATURES

Cooling Pack	●
Air Filter	●
Mechanical Governor	x
Low Oil Pressure Switch	●
Coolant Temperature Sender	●
Oil Temperature Sender	●
Radiator Guards	●
Hot Component Guards	●
Manual Oil Drain Pump (Canopy)	Δ
Water Jacket Heater	Δ
Pre-Filter with Separator	●
Fuel Level Sender	●
Internal Fuel Fill (Belly Tank)	●
3 Way Fuel Valve	●
Residential Silencer	●
Air Shut-Off Valve	Δ
Electronic Governor	●
Spark Arrestor	Δ
Standard: ● Not Available: x Optional: Δ	

G500RS | Rental Set



ELECTRICAL FEATURES

AVR DSR	●
AVR DER	x
Winding Protection Standard	x
Winding Protection Standard +	x
Winding Protection Grey	x
Winding Protection Total	x
Winding Protection Total +	x
MAUX	x
PMG	Δ
Anti-Condensation Heater	Δ
3 Pole Moulded Case Circuit Breaker	x
4 Pole Moulded Case Circuit Breaker	●
Earth Leakage Protection (Switchable)	●
Preparation for Earth Spike	●
Optional Voltages	Δ
Emergency Stop Button (Control Panel)	●
External Emergency Stop Button	●
AGM Battery	Δ
Socket Panel (1 x 32A – 3ph, 3 x 32A – 1ph) IP44	x
Socket Panel (1 x 63A – 3ph, 3 x 32A – 1ph) IP44	x
Socket Panel (1 x 63A – 3ph, 2 x 32A – 3ph, 3 x 32A – 1ph) IP44 (1 x 125A – 3ph) IP67	x
Bund Alarm / Shut down	Δ
Remote Display	x
50Hz / 60Hz Switch	Δ
Standard: ● Not Available: x Optional: Δ	

BATTERY FEATURES

Battery Isolator	●
Battery Type	SEALED LEAD ACID
Battery Size (Ah)	TBC
Number of Batteries	2
Battery Charger	Δ

JCB COMMUNICATION AND CONTROL

7320 MKII	●
8610 MKII (Synchronisation)	Δ
8620 (Synchronisation)	x
LiveLink for Power (MKII Panel Only)	●
Standard: ● Not Available: x Optional: Δ	

WEIGHT AND DIMENSIONS

Length	mm	4832
Width	mm	1610
Height	mm	2334
Shipping Volume (sea ready)	m ³	18.20
Weight*	Kg	6800

*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

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