



DIESEL GENERATOR

STAGE IIIA

ELECTRICAL

Frequency (Hz)	Phases	Voltage (V)	kVA	Prime		Standby		Rated Speed (RPM)
				kW	kVA	kW	kVA	
50	3	400/230V	36	29	39	32	1500	
60	3	480/277V	N/A	N/A	N/A	N/A	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 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.jcb.com. JCB reserves the right to change specifications without notice. Illustrations shown may include optional equipment and accessories.

CANOPY		
Lockable Maintenance Access Doors		●
Door Stays		●
Forklift Protection Bumpers		●
Control Panel Viewing Window		●
Integral 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		x
Galvanised Steel Canopy		●
	Standard: ●	Not Available: x Optional: Δ

ALTERNATOR ECP32-2S4 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		
Battery Capacity	Ah	110
Number of Batteries		1
Auxiliary Voltage	V	12

ENGINE		
	1500 RPM	
Net Output Rating (PRP)	kW	33.5
Net Output Rating (Standby)	kW	36.9
	1800 RPM	
Net Output Rating (PRP)	kW	N/A
Net Output Rating (Standby)	kW	N/A
Manufacturer and Model		JCB by Kohler KDI 2504 TM
Fuel		Diesel
Injection		Direct
Aspiration		Turbo Charged
Cylinders		4
Bore and Stroke	mm	88 x 102
Displacement	L	2.482
Cooling		Water
Engine Oil Specification		API CH4-SAE 10W40
Compression Ratio		11.5:1
Engine Oil Capacity	L	11.50
Coolant Capacity	L	7.70
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	175

FUEL CONSUMPTION

100% Load Prime	L/h	50Hz	8.53
75% Load Prime	L/h		6.54
50% Load Prime	L/h		4.67
100% Load Standby	L/h		9.31
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	530
Exhaust Gas Flow 100% Standby	m ³ /min		2.71
Maximum Allowed Back Pressure	kPa		8.00
Exhaust Discharge Size	mm	TBA	

AIR SYSTEM

Intake Air Flow 100% Standby	m ³ /h	50Hz	149
Radiator Cooling Airflow	m ³ /s		2

SOUND PRESSURE

LpA (7m)	50Hz	dB(A)	66 (provisional)
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MECHANICAL FEATURES

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

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	●	
Earth Leakage Protection Isolator Switch	Δ	
Preparation for Earth Spike	●	
Optional Voltages	Δ	
Emergency Stop Button (Control Panel)	●	
External Emergency Stop Button	●	
AGM Battery	x	
Socket Panel (1 x 32A – 3ph, 1 x 32A – 1ph, 1 x 16A – 1ph) IP44	x	
Socket Panel (1 x 63A – 3ph, 3 x 32A – 1ph) IP44	Δ	
Socket Panel (1 x 63A – 3ph, 1 x 32A-3ph, 3 x 32A – 1ph) IP44	x	
Socket Panel (1 x 63A – 3ph, 1 x 32A – 3ph, 3 x 32A – 1ph) IP44 (1 x 125A – 3ph) IP67	x	
Socket Panel (1 x 63A – 3ph, 2 x 32A – 3ph) IP44 (1 x 125A – 3ph) IP67	x	
Bund Alarm / Shut down	Δ	
50Hz / 60Hz Switch	x	
Standard: ●	Not Available: x	Optional: Δ

BATTERY FEATURES

Battery Isolator	●
Battery Type	Sealed Lead Acid
Battery Charger	Δ

JCB COMMUNICATION AND CONTROL

DSE 7310	x	
DSE 7320	●	
DSE 8610 synchronising controller	x	
LiveLink for Power	Δ	
Standard: ●	Not Available: x	Optional: Δ

WEIGHT AND DIMENSIONS

Length	mm	2265
Width	mm	950
Height	mm	1567
Shipping Volume (sea ready)	m ³	3.50
Weight*	Kg	1190

*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, 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.