

**DIESEL GENERATOR 200 kVA, INDUSTRIAL**

**IDEAL USAGE**

Projects that require efficient and reliable temporary power, including industrial locations.

**APPLICATIONS**

- Powering locations where permanent electricity supply is not available - such as temporary accommodation, construction or other remote sites
- Replacing utility power supply to industrial equipment - motors, pumps, conveyors and other equipment
- Additional power for seasonal increases in demand such as manufacturing, distribution and storage



**ELECTRICAL**

			Prime		Standby		
Frequency (Hz)	Phases	Voltage(V)	kVA	kW	kVA	kW	Rated Speed
50	3	400/230V	200	160	220	176	1500
60	3	480/277V	220	160	219	175	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 purchased power. There is no limitation on the 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 load does not exceed 70% of the standby power. Stage IIIA Transition & Stage V models are only emission compliant at 50 Hz Prime Power.

**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
- White Paint (RAL 9010)
- Galvanised Steel Canopy

**ALTERNATOR UCI 274H**

Poles	4
Winding Connections	Star
Insulation	Class H
Encloser	IP23
Exciter System	Self Regulating brushless
Voltage Regulator	AVR
Steady State Voltage Regulator	+/- 1%
Bearing	Single bearing sealed
Coupling	Flexible doc
Cooling	Direct drive centrifugal fan

**ENGINE**

	1500 RPM	1800 RPM
New Output Rating (PRP)	169 kW	194 kW
Net Output Rating (Standby)	187 kW	212 kW
Manufacturer and Model	John Deere - 6090HFU82	
Fuel	Diesel	
Injection	Direct	
Aspiration	Turbo Charged	
Cylinders	6	
Bore and Stroke	106 x 127 mm	
Displacement	6.80 L	
Cooling	Water	
Compression Ration	17.2 : 1	
Engine Oil Specification	JCB EP 15W40	
Engine Oil Capacity	24:60 L	
Coolant Capacity	11.30 L	
Governor	Electronic	
Air Filter	Paper Element	
Engine Oil Consumption	100% 0.1% of fuel consumed	
Exhaust Emission After Treatment	Load	
Emission Standard	None	
	Stage IIIA Transition	

## ELECTRICAL FEATURES

PMG  
 4 Pole Moulded Case Circuit Breaker  
 Earth Leakage Protection  
 Preparation for Earth Spike  
 External Emergency Stop Button  
 Bund Alarm / Shutdown  
 50 Hz / 60 Hz Switch  
 Socket Panel (1x63A-3ph 3x32A - 1ph 2x 32A - 3ph  
 IP44 (1 x 125A - 3ph) IP67

## MECHANICAL FEATURES

Cooling Pack  
 Air Filter  
 Electronic Governor  
 Low Oil Pressure Switch  
 Coolant Temperature Sender  
 Oil Temperature Sender  
 Water Jacket Heater  
 Fuel Level Sender  
 Spark Arrestor  
 3 Way Fuel Valve  
 Air Shut Off Valve  
 Residual Silencer  
 Racor Water/Fuel Separator

## WEIGHT AND DIMENSIONS

Length	3800 mm
Width	1270 mm
Height	2033 mm
Shipping Volume (sea ready)	9:80 m <sup>3</sup>
Weight*	3500 Kg

\*Standard build with all fluids except fuel

## TYPICAL SOUND PRESSURE

dBa @ 7	50 Hz	68 dBa
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## STARTING SYSTEM

Battery Capacity	850 Ah
Number of Batteries	1
Auxiliary Voltage	12 V

## FUEL SYSTEM

Diesel Specification	EN590
Standard Capacity Fuel Tank	515 L

## AIR SYSTEM

Intake Air Flow 100% Standby	50 Hz	597 m <sup>3</sup> /h
Radiator Cooling Airflow		5.6 m <sup>3</sup> /h

## BATTERY FEATURES

Battery Isolator	
Battery Type	Sealed Lead Acid
Battery Charger	

## EXHAUST SYSTEM

Maximum temperature	50 Hz	600 °C
Exhaust Gas Flow 100% Standby		30.12 m <sup>3</sup> /min
Maximum Allowed Back Pressure		7.50 kPa
Exhaust Discharge Size		100 mm

## COMMUNICATION AND CONTROL

DSE 8610 Synchronising controller  
 LiveLink for Power  
 Analogue Hour Meter

## FUEL CONSUMPTION

100% Load Prime	50 Hz	46.20 L/h
75% Load Prime		37.30 L/h
50% Load Prime		25.40 L/h
100% Load Standby		48.50 L/h
100% Load Prime	60 Hz	47.80 L/h
75% Load Prime		38.00 L/h
50% Load Prime		26.40 L/h
100% Load Standby		51.10 L/h

## CE PACK

EMC Certification  
 Hot Guards  
 Belt Guards  
 Sound Power Decal  
 EU Declaration for Engine Emissions  
 Complete Machine Declaration of Conformity

## REFERENCE STANDARDS

JCB Generators are CE certified and conform to the following directives (subject to a country requiring such standards)

- EN 12100, EN13857, EN60204
- 2006/42/ce Machine 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 100 mbar, 25, 30% relative humidity

Information based on standard specification equipment unless otherwise stated\*

