





DIESEL GENERATOR	FUEL OPTIMISED
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ELECTRICAL									
			Pri	me	Star	ndby			
Frequency (Hz)	Phases	Voltage (V)	kVA	kW	kVA	kW	MCB Rating (A)	Minimum ATP Rating (A)	Rated Speed (RPM)
50	3	400/230	1523.00	1218.00	1660.00	1328.00	2500.00	2500.00	1500.00
POWER FACTOR	l		MAXI		ACT*				
3 Phase		0.8	kVA		-				
l Phase		I	kW		-				
			*With 20%	voltage and 10% frequency devia	tion @ 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: This rating is for the supply of continuous electrical power, at variable load, in the event of a utility power failure. No overload is permitted.

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

JCB GENERATOR TECHNICAL SPECIFICATIONS. Tel: +44 (0)1889 590312. www.jcbgenerators.com. JCB reserves the right to change specifications without notice. Illustrations shown may include optional equipment and accessories.

GI660X | Open Set PRIME KVA: 1523.00| STANDBY KVA 1660.00



CANOPY/SKID

Lockable Mainte	enance Access Doors			х
Control Panel V	/iewing Window			х
Fork Pockets				х
Single Lift Point				х
Rental Sledging	Base			х
Bunding				Δ
Open Frame				•
Bund Level Indi	cator			Δ
50mm Rock W	ool Sound Insulation			x
Yellow Paint				x
Red Paint				х
White Paint				х
	Standard: •	Not Available: x	Optional: Δ	

ALTERNATOR	
Poles	4
Winding Connections	Star
Insulation	Class H
Enclosure	IP23
Exciter System	Self-regulating brushless
Voltage Regulator	AVR
Steady State Voltage Regulation	+/- 1.0%
Bearing	Single bearing sealed
Coupling	Flexible disc
Cooling	Direct drive centrifugal blower fan
Coating	Winding Protection Grey

STARTING SYSTEMStarter MotorkW7.5 (2 of)Battery CapacityAh400Number of Batteries4Auxiliary VoltageV24

ENGINE					
1500 RPM					
Output Rating (PRP)	kW		1277.00		
Output Rating (Standby)	kW		1404.00		
Manufacturer and Model		Mi	itsubishi ST2R PTAA2		
Fuel			Diesel		
Injection			Direct		
Aspiration		Turbo	Charged with Aftercooler		
Cylinders			VI2		
Bore and Stroke	mm		170 X 180		
Displacement	L		49.03		
Cooling			Water		
Engine Oil Specification		API C	D CF - SAE 30 - SAE 40		
Compression Ratio			13.5:1		
Engine Oil Capacity	L		80.00		
Coolant Capacity	L		368		
Governor			Electronic		
Air Filter			Heavy Duty		
Engine Oil Consumption	100% Load		0.8		
FUEL SYSTEM					
Diesel Specification		BS2869 C	Class A or ASTM D975 No.2		
Standard Fuel Tank Capacity	L		400		
FUEL TANK OPTIONS					
	Mate	erial	Capacity (L)		
Standard Tank	Ste	el	400		
Tank Option I	×		х		
Tank Option 2	х		×		

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FUEL CONSUMPTION			
100% Load Prime	L/h		308.97
75% Load Prime	L/h	50Hz	231.73
50% Load Prime	L/h	50HZ	161.56
100% Load Standby	L/h		341.92
EXHAUST SYSTEM			
Maximum Temperature 100% Standby	°C		520.00
Exhaust Gas Flow 100% Standby	m ^{3/} min	50Hz	318.00
Maximum Allowed Back Pressure	mbar		600.00
Exhaust Flange Size	mm		
AIR SYSTEM			
Intake Air Flow 100% Standby	m³/h		7200.00
Total Cooling Air Flow 100% Standby	m ³ /s	50Hz	30.00
Alternator Fan Airflow	m³/s		2.69
SOUND PRESSURE (CANOPY ONLY)		

SOUND PRESSURE (CANOPY ONLY)					
LpA (7m)	50Hz	dB(A)	-		



MECHANICAL FEATURES	
Cooling Pack	•
Air Filter	Dry
Mechanical Governor	X
Electronic Governor	•
High Coolant Temperature Sender	•
Low Oil Pressure Sender	•
Advanced Coolant Temperature Sender	•
Advanced Oil Pressure Sender	•
Oil Temperature Sender	Δ
Water Level Sender	•
Radiator Guards	•
Hot Component Guards	•
Manual Oil Drain Pump (Canopy)	•
Water Jacket Heater	•
Manual Fuel Fill	Δ
Electric Fuel Fill	Δ
Racor Fuel Filter (No Alarm)	•
Racor Fuel Filter (With Alarm)	Δ
Pre-Filter with Separator	•
External Spark Arrestor	Δ
Fuel Level Sender	•
Fuel Heater	Δ
External Fuel Fill (Belly Tank)	Х
3 Way Fuel Valve and Coupling Nest	•
Residential Silencer	Δ
Industrial Silencer	•
Standard: • Not Available: x Optional: A	Δ

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ELECTRICAL FEATURES			
AVR DSR			х
AVR DER			•
Winding Protection Standard			х
Winding Protection Standard +			х
Winding Protection Grey			•
Winding Protection Total			Δ
Winding Protection Total +			Δ
MAUX			•
PMG			Δ
Anti-Condensation Heater			Δ
Air Circuit Breaker			•
Moulded Case Circuit Breaker (w	ith integrated busbar)		х
Earth Leakage Protection (Shunt 7	Frip)		٠
Synchronisation			Δ
Socket Box (inclusive of heavy dut	ty busbar & micro switch)		х
Preparation for Earth Spike			٠
Optional Voltages			Δ
Remote Screen			Δ
Panel Door Micro Switch			Δ
Copper Busbar/Tails			٠
Emergency Stop Button			٠
External Emergency Stop Button			х
Standard: •	Not Available: x	Optional: Δ	

BATTERY FEATURES

Battery Isolator	•
Battery Type	Gel
Battery Size (Ah)	75
Number of Batteries	4
Optional Battery	Х
Battery Charger	•
Standard: • Not Available: x C	Pptional: Δ

JCB COMMUNICATION AND CONTROL						
KSI				Х		
CPI				•		
CP2				Δ		
ATP				Δ		
CAN/USB				Δ		
CAN/LAN				Δ		
CAN RS-232				Δ		
Remote Modem				Δ		
	Standard: •	Not Available: x	Optional: Δ			

SYNCHRONISATION PANEL (OPTION)

DSE8610				Δ
DSE8620				Δ
	Standard: •	Not Available: x	Optional: Δ	

WEIGHT AND DIMENSIONS

Length	mm	5300
Width	mm	2100
Height	mm	2597
Shipping Volume (sea ready)	m ³	28.90
Weight*	Kg	11840.00
*Standard build with all fluids except fuel		

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 ISO3046 Information based on standard specification equipment unless otherwise stated.

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