





| DIESEL GENERATOR | FUEL OPTIMISED |
|------------------|----------------|
|------------------|----------------|

| 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 | 1736.00 | 1389.00 | 1900.00 | 1520.00 | 3200.00 | 3200.00 | 1500.00 |
| POWER FACTOR | | MAX | | ACT* | | | | | |
| 3 Phase | | 0.8 | kVA | | - | | | | |
| I Phase | | I | kW | | - | | | | |
| | | | *With 20% | voltage and 10% frequency devia | ation @ 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.

GI900X | Open Set PRIME KVA: 1736.00| STANDBY KVA 1900.00



CANOPY/SKID

| Lockable Maintenance Access Doors | | | х |
|-----------------------------------|------------------|--------------------|---|
| Control Panel Viewing Window | | | х |
| Fork Pockets | | | х |
| Single Lift Point | | | Х |
| Rental Sledging Base | | | х |
| Bunding | | | Δ |
| Open Frame | | | • |
| Bund Level Indicator | | | Δ |
| 50mm Rock Wool Sound Insulation | | | х |
| Yellow Paint | | | Х |
| 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 | |
| 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 Batteries44Auxiliary VoltageV24

| ENGINE | | | | |
|-----------------------------|-----------|----------|---------------------------|--|
| | 1500 R | PM | | |
| Output Rating (PRP) | kW | | 1450.00 | |
| Output Rating (Standby) | kW | | 1590.00 | |
| Manufacturer and Model | | ٢ | 1itsubishi ST6R PTA | |
| Fuel | | | Diesel | |
| Injection | | | Direct | |
| Aspiration | | Turbo | Charged with Aftercooler | |
| Cylinders | | | VI6 | |
| Bore and Stroke | mm | | 170 X 180 | |
| Displacement | L | | 65.37 | |
| Cooling | | | Water | |
| Engine Oil Specification | | API C | D CF - SAE 30 - SAE 40 | |
| Compression Ratio | | | 4.0: | |
| Engine Oil Capacity | L | | 230.00 | |
| 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 | | 450 | |
| FUEL TANK OPTIONS | | | | |
| | Mate | erial | Capacity (L) | |
| Standard Tank | Ste | el | 450 | |
| Tank Option I | x | | Х | |
| Tank Option 2 | X | | Х | |

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.

GI900X | Open Set

PRIME KVA: 1736.00 | STANDBY KVA 1900.00

| FUEL CONSUMPTION | | | |
|-------------------------------------|---------------------|------|---------|
| 100% Load Prime | L/h | | 341.66 |
| 75% Load Prime | L/h | 50Hz | 259.68 |
| 50% Load Prime | L/h | 30HZ | 183.44 |
| 100% Load Standby | L/h | | 374.65 |
| EXHAUST SYSTEM | | | |
| Maximum Temperature 100% Standby | °C | | 530.00 |
| Exhaust Gas Flow 100% Standby | m ^{3/} min | 50Hz | 339.00 |
| Maximum Allowed Back Pressure | mbar | | 600.00 |
| Exhaust Flange Size | mm | | |
| AIR SYSTEM | | | |
| Intake Air Flow 100% Standby | m³/h | | 7680.00 |
| Total Cooling Air Flow 100% Standby | m³/s | 50Hz | 32.50 |
| 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 | × |
| 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) | × |
| 3 Way Fuel Valve and Coupling Nest | • |
| Residential Silencer | Δ |
| Industrial Silencer | • |
| Standard: • Not Available: x | Optional: Δ |

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

GI900X Open Set PRIME KVA: 1736.00 | STANDBY KVA 1900.00



| 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 (| with integrated busbar) | | х |
| Earth Leakage Protection (Shunt | Trip) | | • |
| Synchronisation | | | Δ |
| Socket Box (inclusive of heavy d | uty busbar & micro switch) | | х |
| Preparation for Earth Spike | | | • |
| Optional Voltages | | | Δ |
| Remote Screen | | | Δ |
| Panel Door Micro Switch | | | Δ |
| Copper Busbar/Tails | | | • |
| Emergency Stop Button | | | • |
| External Emergency Stop Buttor | 1 | | 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

| | | 52.02 |
|---|----------------|----------|
| Length | mm | 5283 |
| Width | mm | 2043 |
| Height | mm | 2600 |
| Shipping Volume (sea ready) | m ³ | 28.06 |
| Weight* | Kg | 12840.00 |
| *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.

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.