

G730QX | Containerised Set



DIESEL GENERATOR

FUEL OPTIMISED

WEIGHT AND DIMENSIONS

| | | |
|-----------------------------|----------------|-------|
| Length | mm | 6058 |
| Width | mm | 2438 |
| Height | mm | 2896 |
| Shipping Volume (sea ready) | m ³ | 42.8 |
| Weight* | Kg | 10050 |

*Standard build with all fluids except fuel

ELECTRICAL

| Frequency (Hz) | Phases | Voltage (V) | Prime | | Standby | | MCB Rating (A) | Minimum ATP Rating (A) | Rated Speed (RPM) |
|----------------|--------|-------------|-------|-----|---------|-----|----------------|------------------------|-------------------|
| | | | kVA | kW | kVA | kW | | | |
| 50 | 3 | 400/230 | 680 | 544 | 735 | 588 | 1000 | 1000 | 1500 |

POWER FACTOR

| | |
|---------|-----|
| 3 Phase | 0.8 |
| 1 Phase | 1 |

ALL RATINGS ARE TO STANDARD REFERENCE CONDITIONS ISO 8528

Prime: This rating is the maximum power which a generating set is capable of delivering continuously whilst supplying a variable electrical load when operated for an unlimited number of hours per year under the agreed operating conditions with the maintenance intervals and procedures being carried out as prescribed by the manufacturer. The permissible average power output over 24 h of operation shall not exceed 70 % of the PRP.

Standby: This rating is the maximum power available during a variable electrical power sequence under the stated operating conditions, for which a generating set is capable of delivering in the event of a utility power outage or under test conditions for up to 200 h of operation per year with the maintenance intervals and procedures being carried out as prescribed by the manufacturers. The permissible average power output over 24 h of operation shall not exceed 70 % of the ESP.

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

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ALTERNATOR - ECO40-2L4B

| | |
|---------------------------------|-------------------------------------|
| Poles | 4 |
| Winding Connections | Series 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 | Grey winding protection |

STARTING SYSTEM

| | | |
|-------------------|----|-----|
| Starter Motor | kW | 7.5 |
| Auxiliary Voltage | V | 24 |

FUEL CONSUMPTION

| | | | |
|-------------------|-----|------|-------|
| 100% Load Prime | L/h | 50Hz | 136.4 |
| 75% Load Prime | L/h | | 104.3 |
| 50% Load Prime | L/h | | 74.5 |
| 100% Load Standby | L/h | | 151.6 |

FUEL SYSTEM

| | | |
|----------------------|---|----------------------------------|
| Diesel Specification | | BS2869 Class A or ASTM D975 No.2 |
| Fuel Tank Capacity | L | 1000 |

SOUND PRESSURE (CANOPY ONLY)

| | | | |
|----------|------|-------|----|
| LpA (7m) | 50Hz | dB(A) | 81 |
|----------|------|-------|----|

ENGINE

| 1500 RPM | | |
|--------------------------|-----------|--------------------------------|
| Output Rating (PRP) | kW | 575 |
| Output Rating (Standby) | kW | 635 |
| Manufacturer and Model | | Mitsubishi S6R2 PTA |
| Fuel | | Diesel |
| Injection | | Direct |
| Aspiration | | Turbo Charged with Aftercooler |
| Cylinders | | Inline 6 |
| Bore and Stroke | mm | 170 X 220 |
| Displacement | L | 29.96 |
| Cooling | | Water |
| Engine Oil Specification | | API CD CF - SAE 30 - SAE 40 |
| Compression Ratio | | 14.1:1 |
| Engine Oil Capacity | L | 94 |
| Coolant Capacity | L | 118 |
| Governor | | Electronic |
| Air Filter | | Heavy Duty |
| Engine Oil Consumption | 100% Load | 0.8 |

AIR SYSTEM

| | | | |
|-------------------------------------|-------------------|------|------|
| Intake Air Flow 100% Standby | m ³ /h | 50Hz | 3120 |
| Total Cooling Air Flow 100% Standby | m ³ /s | | 12.0 |
| Alternator Fan Airflow | m ³ /s | | 0.90 |

EXHAUST SYSTEM

| | | | |
|----------------------------------|---------------------|------|-----|
| Maximum Temperature 100% Standby | °C | 50Hz | 510 |
| Exhaust Gas Flow 100% Standby | m ³ /min | | 137 |
| Maximum Allowed Back Pressure | mbar | | 59 |

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ELECTRICAL FEATURES

| | |
|--|---|
| AVR (Electronic) | ● |
| Winding Protection (Grey coating) | ● |
| Anti-Condensation Heater | Δ |
| Circuit Breaker (with integrated busbar) | ● |
| Earth Leakage Protection (Shunt Trip) | Δ |
| Emergency Stop Button | ● |
| External Emergency Stop Button | ● |
| Static Battery Charger | ● |
| Standard: ● Not Available: x Optional: Δ | |

JCB COMMUNICATION AND CONTROL

| | |
|--|---|
| DSE 7310 | ● |
| DSE 7320 | Δ |
| DSE 8610 | Δ |
| DSE 8620 | Δ |
| ComAp IG-NTC SPtM - IV5 | Δ |
| ComAp IG-NTC MIINT - IV5 | Δ |
| JCB LiveLink | x |
| Standard: ● Not Available: x Optional: Δ | |

CANOPY/SKID

| | |
|--|---|
| Lockable Maintenance Access Doors | ● |
| Control Panel Viewing Window | ● |
| Bundling | Δ |
| Open Frame | x |
| Bund Level Indicator | Δ |
| 50mm Rock Wool Sound Insulation | ● |
| Yellow Paint | ● |
| White Paint | Δ |
| Standard: ● Not Available: x Optional: Δ | |

MECHANICAL FEATURES

| | |
|--|---|
| Electronic Governor | ● |
| High Coolant Temperature Sender | ● |
| Low Oil Pressure Sender | ● |
| Oil Temperature Sender | Δ |
| Water Level Sensor | ● |
| Radiator Guards | ● |
| Hot Component Guards | ● |
| Manual Oil Drain Pump | ● |
| Water Jacket Heater | ● |
| Residential Silencer | x |
| Industrial Silencer | ● |
| Exhaust Gas Bellows | ● |
| 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.