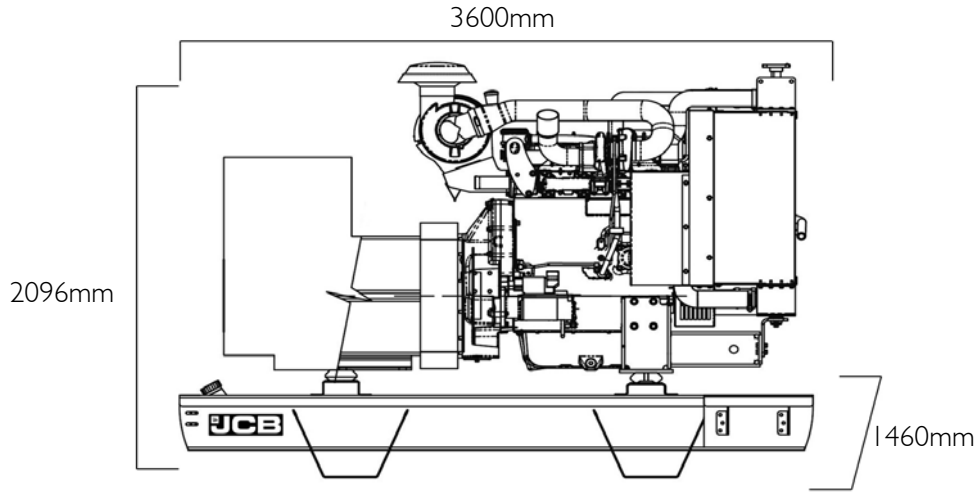
# **G720X** | Open Set




DIESEL GENERATOR | FUEL OPTIMISED

## ELECTRICAL

| | | | Prime | | Standby | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Frequency (Hz) | Phases | Voltage (V) | kVA | kW | kVA | kW | MCB Rating (A) | Minimum ATP Rating (A) | Rated Speed (RPM) |
| 50 | 3 | 400/230V | 647.0 | 517.6 | 712.0 | 569.6 | 1000 | 1000 | 1500 |

## POWER FACTOR

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

## MAXIMUM LOAD IMPACT*

| | |
|---|---|
| kVA | 433.00 |
| kW | 346.00 |

**With 20% voltage and 10% frequency deviation @ 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:** Standby Power (ESP) is the maximum output available, for up to 200 hours per year, where the average load (variable) does not exceed 70% of the standby power rating. No overload is permitted.
**"Stage IIIa"** models are only emissions compliant at 50Hz Prime Power in accordance with 97-68EC.

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## CANOPY/SKID

| | |
|---|---|
| Lockable Maintenance Access Doors | x |
| Control Panel Viewing Window | x |
| Fork Pockets | ● |
| Single Lift Point | x |
| Rental Sledging Base | x |
| Bunding | ● |
| Open Frame | ● |
| Bund Level Indicator | Δ |
| 50mm Rock Wool Sound Insulation | x |
| Yellow Paint | x |
| Red Paint | x |
| White Paint | x |

Standard: ● Not Available: x Optional: Δ

## ALTERNATOR ECO40 2L/4 B

| | |
|---|---|
| Poles | 4 |
| Winding Connections | Star-Series |
| Insulation | Class H |
| Enclosure | IP23 |
| Exciter System | Self-excited brushless |
| Voltage Regulator | AVR (electronic) |
| Steady State Voltage Regulation | +/- 1.0% |
| Bearing | Single bearing |
| Coupling | Flexible disc |
| Cooling | Direct drive centrifugal blower fan |
| Coating | Standard (Vacuum Impregnation) |

## STARTING SYSTEM

| | | |
|---|---|---|
| Starter Motor | kW | 7.00 |
| Battery Capacity | Ah | 75 |
| Number of Batteries | | 2 |
| Auxiliary Voltage | V | 24 |

## ENGINE

| | 1500 RPM | |
|---|---|---|
| Output Rating (PRP) | kW | 533.00 |
| Output Rating (Standby) | kW | 609.00 |
| Manufacturer and Model | | Scania DC16-93A(02-53) |
| Fuel | | Diesel |
| Injection | | Direct |
| Aspiration | | Turbo Charged and Aftercooled |
| Cylinders | | V8 |
| Bore and Stroke | mm | 130 x 154 |
| Displacement | L | 16.40 |
| Cooling | | Water |
| Engine Oil Specification | | ACEA E3, E4, E5 or E7 |
| Compression Ratio | | 16.7:1 |
| Engine Oil Capacity | L | 48.00 |
| Coolant Capacity | L | 68 |
| Governor | | Electronic |
| Air Filter | | Dry |
| Engine Oil Consumption | 100% Load | 0.2 g/kWh |

## FUEL SYSTEM

| | | |
|---|---|---|
| Diesel Specification | | EN590 |
| Standard Fuel Tank Capacity | L | 740 |

## FUEL TANK OPTIONS

| | Material | Capacity (L) |
|---|---|---|
| Standard Tank | Steel | 740 |
| Tank Option 1 | Steel | |
| Tank Option 2 | | |

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## FUEL CONSUMPTION

| | | | |
|---|---|---|---|
| 100% Load Prime | L/h | 50Hz | 129.04 |
| 75% Load Prime | L/h | | 94.77 |
| 50% Load Prime | L/h | | 63.85 |
| 100% Load Standby | L/h | | 140.81 |

## EXHAUST SYSTEM

| | | | |
|---|---|---|---|
| Maximum Temperature 100% Standby | °C | 50Hz | 532.00 |
| Exhaust Gas Flow 100% Standby | $m^3$/min | | 0.00 |
| Maximum Allowed Back Pressure | mbar | | 100.00 |
| Exhaust Flange Size | mm | 160 | |

## AIR SYSTEM

| | | | |
|---|---|---|---|
| Intake Air Flow 100% Standby | $m^3$/h | 50Hz | 2183.00 |
| Total Cooling Air Flow 100% Standby | $m^3$/s | | 19.42 |
| Alternator Fan Airflow | $m^3$/s | | 1.035 |

## SOUND PRESSURE (CANOPY ONLY)

| | | | |
|---|---|---|---|
| LpA (7m) | 50Hz | dB(A) | N/A |

## MECHANICAL FEATURES

| | |
|---|---|
| Cooling Pack | ● |
| Air Filter | ● |
| Mechanical Governor | x |
| Electronic Governor | ● |
| High Coolant Temperature Sender | x |
| Low Oil Pressure Sender | x |
| Advanced Coolant Temperature Sender | ● |
| Advanced Oil Pressure Sender | ● |
| Oil Temperature Sender | ● |
| 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) | Δ |
| Racor Fuel Filter (With Alarm) | Δ |
| Pre-Filter with Separator | x |
| External Spark Arrestor | Δ |
| Fuel Level Sender | ● |
| Fuel Heater | Δ |
| External Fuel Fill (Belly Tank) | x |
| 3 Way Fuel Valve and Coupling Nest | Δ |
| Residential Silencer | Δ |
| Industrial Silencer | x |

Standard: ● Not Available: x Optional: Δ

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## ELECTRICAL FEATURES

| | |
|---|---|
| AVR DSR | x |
| AVR DER | x |
| Winding Protection Standard | x |
| Winding Protection Standard + | x |
| Winding Protection Grey | x |
| Winding Protection Total | x |
| Winding Protection Total + | x |
| MAUX | x |
| PMG | Δ |
| Anti-Condensation Heater | Δ |
| Miniature Circuit Breaker (Integrated busbar) | x |
| Moulded Case Circuit Breaker (with integrated busbar) | ● |
| Earth Leakage Protection (Shunt Trip) | ● |
| Synchronisation | Δ |
| Socket Box (inclusive of heavy duty busbar & micro switch) | x |
| Preparation for Earth Spike | ● |
| Optional Voltages | Δ |
| Remote Screen | x |
| Panel Door Micro Switch | Δ |
| Copper Busbar/Tails | Δ |
| Emergency Stop Button | ● |
| External Emergency Stop Button | x |

Standard: ● Not Available: x Optional: Δ

## BATTERY FEATURES

| | |
|---|---|
| Battery Isolator | ● |
| Battery Type | Gel |
| Battery Size (Ah) | 75 |
| Number of Batteries | 2 |
| Optional Battery | x |
| Battery Charger | ● |

Standard: ● Not Available: x Optional: Δ

## JCB COMMUNICATION AND CONTROL

| | |
|---|---|
| DSE 7320MKII | ● |
| CP1 | Δ |
| CP2 | Δ |
| ATP | Δ |
| CAN/USB | Δ |
| CAN/LAN | Δ |
| CAN RS-232 | Δ |
| Remote Modem | Δ |
| LiveLink for Power | 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 | 3600 |
| Width | mm | 1460 |
| Height | mm | 2096 |
| Shipping Volume (sea ready) | $m^3$ | 11.02 |
| Weight* | Kg | 3637.00 |

**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, 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.