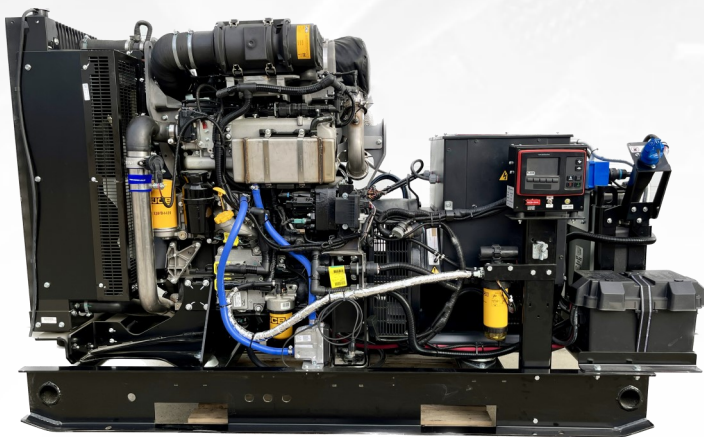




WQ110T4 Diesel Generator Set 110kW



Open Skid and Enclosed Models Available

STANDARD FEATURES:

- JCB Liquid Cooled Engine and Stamford Generator
- Digital generator controller with user friendly color display and auto start/stop
- Electronic governing– excellent frequency and load pick-up
- Heavy duty steel skid base with anti-vibration isolation
- No DPF or DOC means service costs are kept low
- Safety shutdown protection
- Operator Manuals
- **Serviced and 100% Load Tested**



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EDMONTON 780.960.5560 CALGARY 403.261.0601 VANCOUVER 778.705.0743

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WQ110T4 Diesel Generator Set

ELECTRICAL SPECIFICATIONS:

Voltage	Frequency	P.F.	Amps (Prime/Standby)	Prime Output (kW/kVA)	Standby Output (kW/kVA)
120/240 - 1PH	60Hz	1.0	417/458	100/100	110/110
120/208 - 3PH	60Hz	0.8	347/383	100/125	110/138
277/480 - 3PH	60Hz	0.8	150/166	100/125	110/138
347/600 - 3PH	60Hz	0.8	120/133	100/125	110/138

ENGINE SPECIFICATIONS:

- JCB Model: 448 TA4-129 Liquid Cooled Diesel
- 170hp/127kW @ 1800 RPM
- 12V electrics
- Electric and self priming fuel lift pump
- Variable Geometry Turbo and Charge Air Cooler
- SCR and EGR – no DOC or DPF
- Fan type– Pusher
- **500 hour oil change interval**
- EPA Tier 4 Final
- In-line 4 cylinder, 4 Stroke
- Displacement: 4.8L
- Grid heater cold starting aid
- +/- 0.25% Electronic engine control
- High pressure common rail and direct injection
- Fan, belt, and radiator core guards

GENERATOR SPECIFICATIONS:

- Stamford Generator; UCI Series
- Single Bearing, Brushless
- Automatic Voltage Regulator (AVR Controlled)
- +/- 1% Voltage Regulation
- Winding– single or three phase
- IP23 Enclosure Protection
- Class H Insulation
- 1 Year Warranty
- UL/CSA Approved

FUEL & DEF SYSTEM:

- Diesel Fuel with SCR / DEF System
- DEF Tank Capacity: 16L
- Lockable DEF fill cap
- DEF Level Gauge is displayed on control panel
- Heated DEF tank and piping
- Optional Sub-Base Fuel Tank Available (385L)

FUEL CONSUMPTION:

- 100% Load—27.1L/hr
- 75% Load—20.5L/hr
- 50% Load—14.0L/hr

DEF CONSUMPTION:

- Approximately 3% of fuel consumption
- Minimum DEF Runtime: 30hr @ 100% Load



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GENERATOR CONTROL PANEL

Key Features:

- Dynagen TOUGH Series PRO TG
- Full color display
- Manual and Auto Start/Stop function
- User friendly front panel buttons

Full color display of:

- Oil Pressure
- Engine Temperature
- Fuel and DEF Level
- AC Voltage
- Diagnostic Trouble Codes
- Engine Hours
- RPM
- Battery Voltage
- Hz Frequency
- 3-Phase AC Current (Amp)

Safety Shutdowns and Warnings:

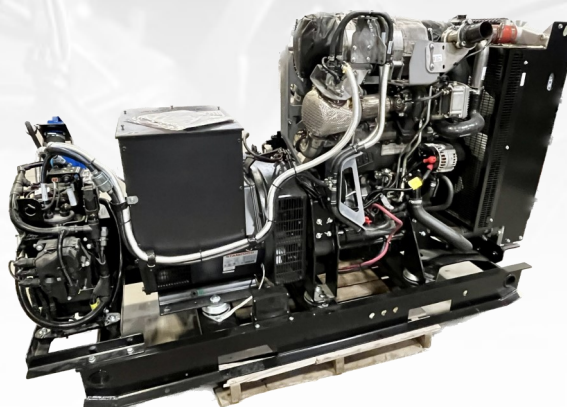
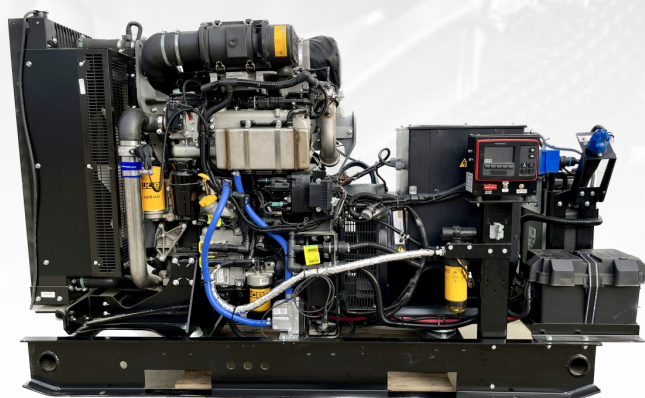
- Low Oil Pressure
- Under/Over AC Voltage
- Under/Over Battery Voltage
- Low DEF Level
- Low Oil Level
- High Coolant Temperature
- Engine Under/Over Speed (Hz/RPM)
- Low Fuel Level (Warning)

Optional Features:

- Remote Telematics Monitoring System
- Modbus Communication



Open Skid Generator Specifications



STANDARD FEATURES:

- Compact foot print and design
- Left hand side service for maintenance and controls
- Heavy duty steel skid base with anti-vibration isolation and fork-lift pockets
- Digital generator controller with user friendly color display and auto start/stop
- Electronic governing– excellent frequency and load pick-up
- G27 battery, box, and cables
- No DPF or DOC means service costs are kept low
- Safety shutdown protection
- Operator Manuals
- **Serviced and 100% Load Tested**

DIMENSIONS OPEN SKID:

Standard Package Dimensions (max dimensions)

- **Length:** 89" / 2260mm (101" / 2564mm with Auto Load Bank)
- **Width:** 36" / 914mm
- **Height:** 56" / 1422mm
- **Weight:** 2975lb / 1349kg

SOUND LEVEL

Open Skid Model

- No Load, @ 7m (23ft) - 82dB(A)
- Full Load, @ 7m (23ft) - 84dB(A)

Enclosed Generator Specifications



ENCLOSURE SPECIFICATIONS:

- Powder coated weather-proof enclosure
- Rain proof air intake ducts
- Stainless steel door handles and hinges
- Gasket lined doors
- Central lift point

FUEL SYSTEM:

- Single wall steel subbase fuel tank
- Capacity: 440L / 95 IMP Gal
- Vented fill cap
- Fuel Level Gauge (displayed on panel)

DIMENSIONS

- **Length:** 102" / 2591mm
- **Width:** 52" / 1321mm
- **Height:** 67" / 1702mm
- **Dry Weight:** 5100lb / 2315kg (approx.)
- **Wet Weight:** 5900lb / 2682kg (approx.)

- Lockable doors
- Rust-proof fasteners with nylon washer
- Vertical air discharge for quiet operation
- *Optional* custom color

FUEL CONSUMPTION:

- 100% Load—27.1L/hr
- 75% Load—20.5L/hr
- 50% Load—7.2L/hr

DEF CONSUMPTION:

- Approximately 3% of fuel consumption
- Minimum DEF Runtime: 30hr @ 100% Load

SOUND LEVEL

- 50% Load, @ 7m (23ft) - 72dB(A)



WQ110T4 Diesel Generator Set

OPTIONAL ACCESSORIES:

ENGINE SYSTEM

- Engine coolant heater—120V
- Battery charger—120V
- Battery blanket—120V
- Battery disconnect lockout switch
- Thermostatic radiator shutter kit
- Diesel-fired engine coolant heater (hydronic)
- Positive Air Safety Shutoff Valve
- Sub-base fuel tank - 385L/85gal

AC ELECTRICAL SYSTEM

- Main Circuit Breaker (120/240V 1PH; 120/208V 3PH; 277/480V 3PH; 347/600V 3PH)
- Electrical Distribution Panel- customized build; full load center; Square D components

LOAD BANK MANAGEMENT SYSTEM

- Automatic load bank control system will improve performance and reliability of Tier 4 engines during critical operations.
- Load bank will automatically operate during 'light load' conditions preventing wet stacking and soot build-up in the exhaust system.
- Integrally mounted load bank for aesthetics and optimal performance.

PARALLELING LOAD SHARING SYSTEM

- Available with paralleling genset control package
- Synchronize multiple genset to increase your power output
- Load Sharing will increase fuel efficiency and create redundancy
- Parallel generators will automatically turn on and off to manage load requirements.



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WARRANTY: all models are covered by a comprehensive limited warranty

- Package: 1 Year / Unlimited Hours
- JCB Engine: Major components - 2 year unlimited hours, All other components - 1 year unlimited hours
- Stamford Generator: 1 Year / Unlimited hours

Contact Westquip Diesel Sales for Service, Parts, and Warranty Support



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