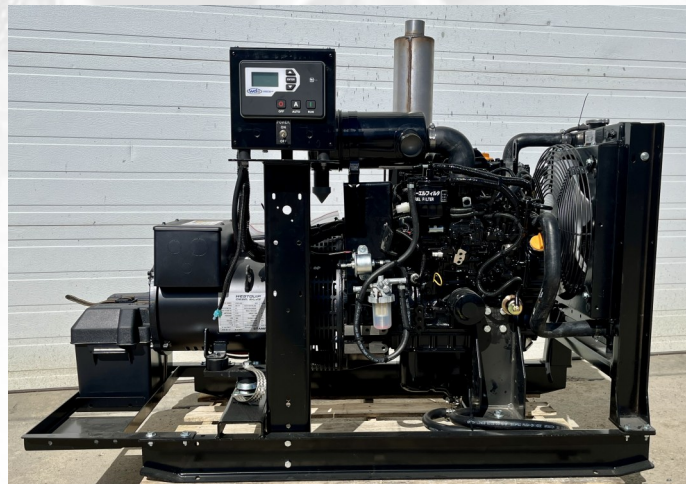




## WQ13 Diesel Generator Set



**ENCLOSED MODEL**



**OPEN SKID MODEL**

### STANDARD FEATURES:

- Isuzu Liquid Cooled Engine
- Stamford Generator with Automatic Voltage Regulator—CSA approved
- Heavy duty steel skid base with anti-vibration isolation
- Digital generator controller with user friendly display and auto start/stop functionality
- Mechanical governing
- Central lifting point
- Safety shutdown protection (low oil pressure/high coolant temp/over & under speed)
- Operator Manuals
- **Serviced and 100% Load Tested**

### ELECTRICAL SPECIFICATIONS:

| Voltage       | Frequency | P.F. | Amps | Prime Output (kW/kVA) | Standby Output (kW/kVA) |
|---------------|-----------|------|------|-----------------------|-------------------------|
| 120/240 - 1PH | 60Hz      | 1.0  | 54   | 13/13                 | 14/14                   |
| 120/208 - 3PH | 60Hz      | 0.8  | 45   | 13/16                 | 14/18                   |
| 277/480 - 3PH | 60Hz      | 0.8  | 20   | 13/16                 | 14/18                   |
| 347/600 - 3PH | 60Hz      | 0.8  | 16   | 13/16                 | 14/18                   |



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## ENGINE SPECIFICATIONS:

- Isuzu 3CE1 EPA **Tier 4 Final** liquid cooled diesel
- 21Hp @ 1800 RPM
- 12V electrics
- Electric fuel lift pump
- Naturally aspirated
- Fan, belt, and core guards
- In-line 3 cylinder, 4 Stroke
- Displacement: 1.6L
- Glow plug cold starting aid
- 3-5% mechanical governor engine control
- Fuel water separator filter
- **500 hour oil change interval**

## GENERATOR SPECIFICATIONS:

- Stamford (4 lead or 12 lead)
- Single Bearing, Brushless
- Automatic Voltage Regulator (AVR Controlled)
- +/- 1% Voltage Regulation
- IP23 Enclosure Protection
- Class H Insulation
- UL/CSA Approved

## GENERATOR CONTROL PANEL FEATURES:

- DISPLAYS:
  - ⇒ Engine Hours,
  - ⇒ Oil Pressure & Coolant Temperature
  - ⇒ Battery DC Voltage
  - ⇒ AC Voltage & Hertz Frequency
  - ⇒ Engine RPM
  - ⇒ Fuel Level
  - ⇒ AC Current (Amp) Metering Display (*optional*)
- PROTECTION SAFETY SHUTDOWN & WARNINGS:
  - ⇒ Low Oil Pressure
  - ⇒ Under/Over AC Voltage
  - ⇒ Under/Over Battery Voltage
  - ⇒ High Coolant Temperature
  - ⇒ Under/Over Engine Speed
  - ⇒ Low Fuel Level
- Auto Start / Stop with AUX contacts
- Programmable Exerciser
- Remote telematics monitoring system (*optional*)





## WQ13 Diesel Generator Set

### ENCLOSED MODEL: WQ13-EN



### ENCLOSURE SPECIFICATIONS:

- Large access provides user friendly maintenance
- Powder coated weather-proof enclosure
- Stainless steel door handles and hinges
- Gasket lined, lockable doors
- Rear access Control Panel and AC electrical
- Rust-proof fasteners with nylon washer
- Customized AC receptacle panel
- Optional custom color

### FUEL SYSTEM:

- Single wall steel fuel tank
- STANDARD Tank Capacity: 197L / 43 IMP Gal
- EXTENDED RUN Tank Capacity: 380L / 85 IMP Gal
- Vented fill cap and fuel level gauge (displayed on panel)

### FUEL CONSUMPTION:

- 100% Load—4.3L/hr
- 75% Load—3.2L/hr
- 50% Load—2.3L/hr
- 25% Load—1.2L/hr

### SOUND LEVEL

#### Standard Enclosure

- No Load, @ 7m (23ft) - 71 dB(A)
- Full Load, @ 7m (23ft) - 73 dB(A)



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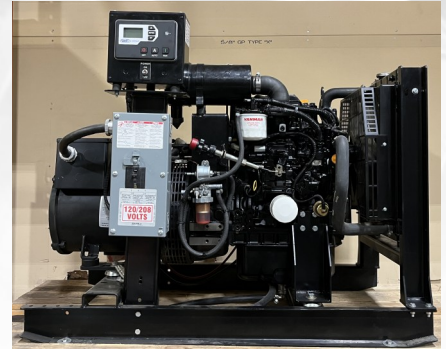


## WQ13 Diesel Generator Set

### 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 Options (*for open skid model*)
  - 160L/35gal (54" x 34" x 10")
  - 385L/85gal (71.5" x 30.5" x 14")



#### AC Electrical System

- Main Circuit Breaker (240V 1PH; 120/208V 3PH; 480V 3PH; 600V 3PH)
- Electrical Distribution Panel- customized build; full load center; Square D components. Located at rear access door beside genset control panel on enclosed models.
- AC Amperage metering package. Will display AC Amperage on upgraded genset control panel.

#### Enclosure

- Winter front- Radiator cold weather winter cover with adjustable opening sizes. Fits standard enclosure model.
- Sound attenuated foam insulation.



#### Trailer

- Single axle 3500lb axle Transport Canada/DOT approved trailer
- 14" ST205/75R14 Tires
- Front leveling jack and safety chains
- 3" Pintle eye coupler or 2" ball coupler
- Powder coated steel frame



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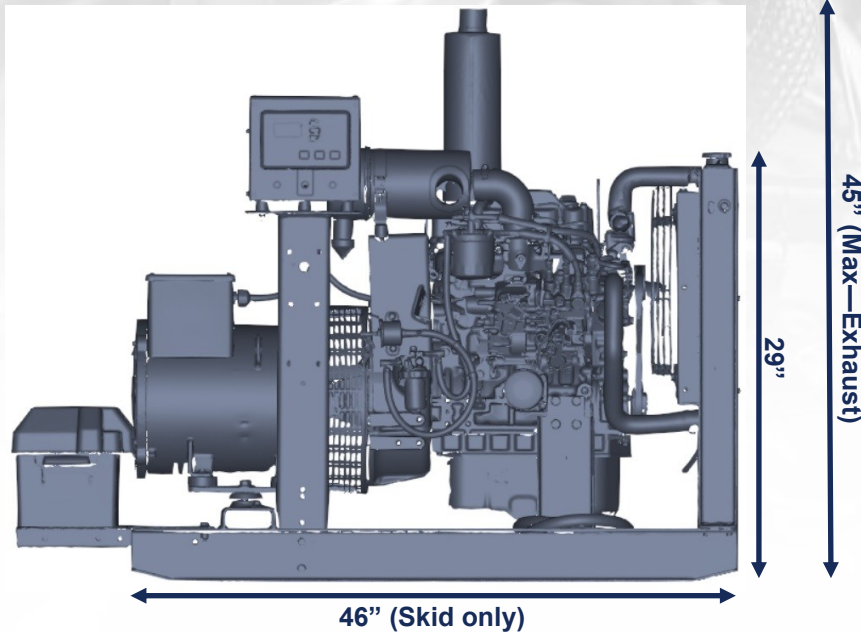
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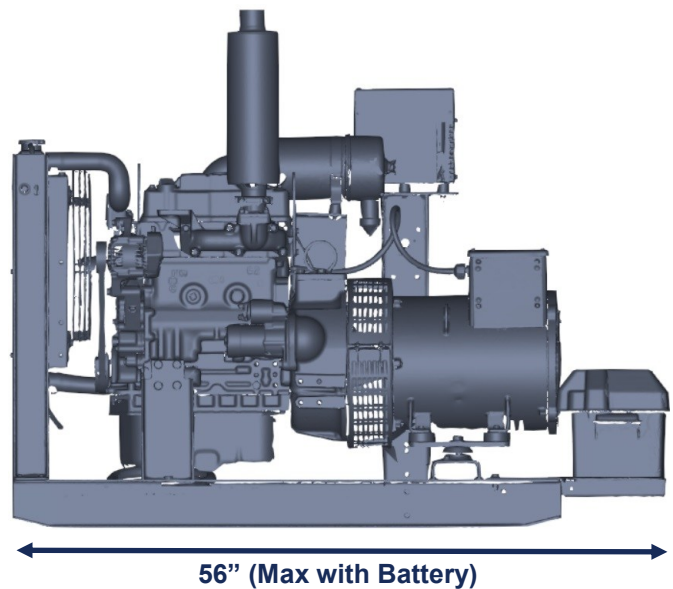
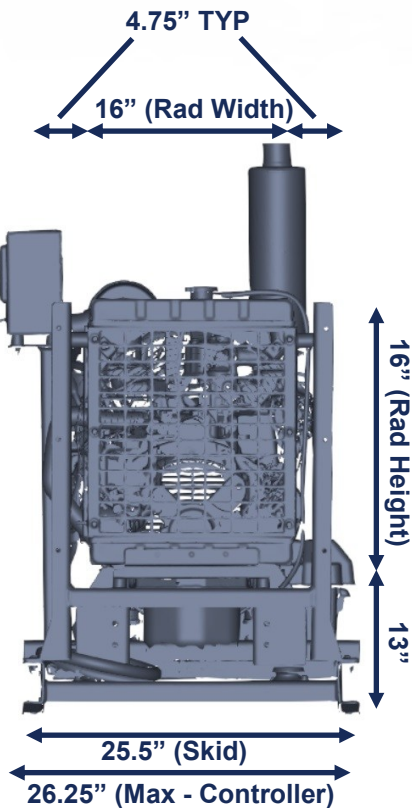


## WQ13 Diesel Generator Set



### DIMENSIONS OPEN SKID:

- **Length:** 56" (1422mm)
- **Width:** 25.5" (648mm)
- **Height:** 45" (11143mm) standard muffler
- **Height:** 34" (864mm) \*with horizontal muffler
- **Weight:** 750lbs (340kg) without battery
- **Weight:** 800lbs / 363kg with battery

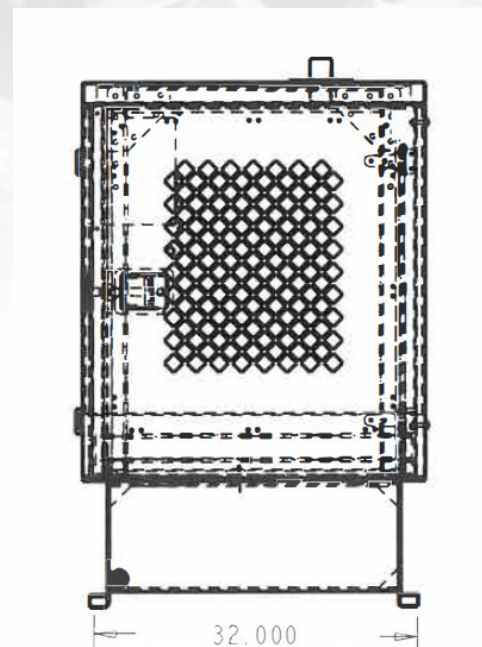
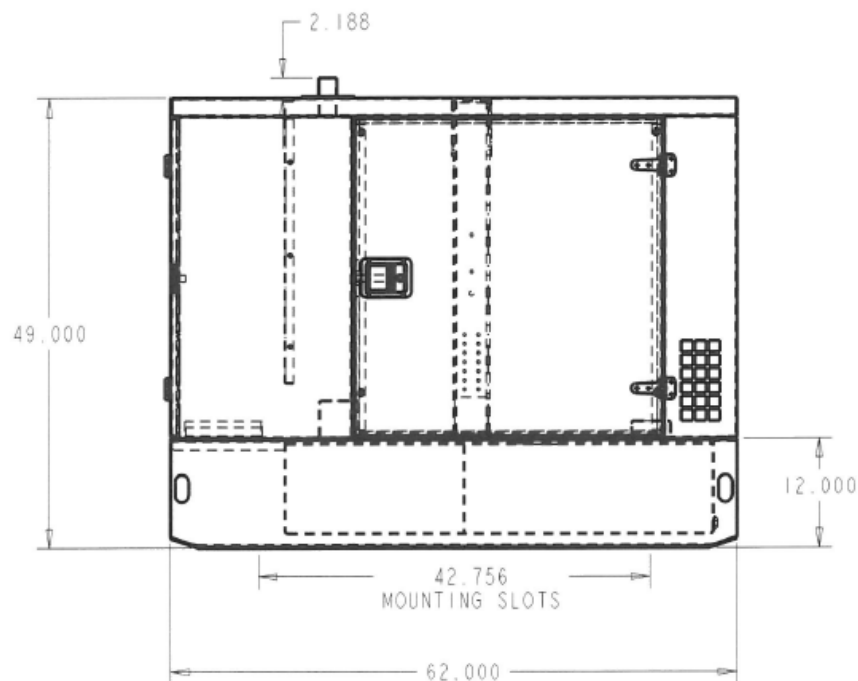


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## ENCLOSED GENERATOR DIMESIONS

- Length: 62" (1575mm)
- Width: 32" (813mm)
- Height: 51" (1295mm)
- Dry Weight: 1400lb (635kg)
- Wet Weight: 1758lb (799kg)



## MOBILE TRAILER GENERATOR DIMESIONS

- Length: 129" (3277mm)
- Width: 60" (1524mm)
- Height: 70" (1778mm)
- Dry Weight: 1885lb (855kg)
- Wet Weight: 2243lb (1019kg)



## WQ13 Diesel Generator Set

**WARRANTY:** all models are covered by a comprehensive limited warranty

- Package: 1 Year / Unlimited Hours
- Isuzu Engine: 2 Year / 2000 Hours; 3 Year / 3000-hour Major Component Warranty
- Newage-Stamford Generator: 3 Year / Unlimited hours



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