



## Mobile Generator – A G 235, Specifications

### ENGINE

- John Deere PE6068HF485 turbocharged diesel engine
  - 6.8 Liter, 6 cylinder
  - 286 hp at 1800 rpm (prime)
  - Tier III approved
- 24 hr fuel tank
- Fuel consumption at prime:
  - 25% power is 4.21 g/h
  - 50% power is 7.81 g/h
  - 75% power is 11.17 g/h
  - 100% power is 15.24 g/h
- Radiator sized to allow continuous operation in 120 F temperatures
- Radiator and oil drains on flexible hose extensions
- Rubber vibration dampers to frame
- Dry paper type disposable air filter
- Air cleaner restriction indicator mounted on control panel
- 1000 CCA wet cell battery

### GENERATOR SET

- Marathon Electric generator
  - 204 kW/255 kVA standby 3 phase
  - 186 kW/233 kVA prime 3 phase
  - 183 KW/KVA standby single phase
  - 162 KW/KVA prime single phase
  - Brushless
  - Two position, voltage link board
    - Three phase 120/208 VAC
    - Three phase 277/480 VAC
- CSA Listed, Class 42501 for Electric Generating Plants

- Six LED indicators w/ lamp test on startup
  - Alarm / Fault (Red)
  - Ready / Manual (Green)
  - Running (Green)
  - Warning (Yellow)
  - Ready / Auto (Green)
  - Supplying Load (Green)
- Push buttons for easy operation w/ sealed membrane to IP65
- Operation of engine / generator set
  - Manual
  - Auto
  - Alarm Cancel
  - Fault Reset
  - Engine Start
  - Engine Stop
- Available metering displays include
  - Engine speed
  - Oil Pressure
  - Coolant Temperature
  - Battery voltage
  - Fuel level
  - Running hour meter
  - All generator measurements (KVA<sub>r</sub>, kW, V<sub>1</sub>-V<sub>3</sub>, Hz, Amperage L1-L3, kWh, KVAh)
- Engine/generator
  - Fuel level warning and shutdown
  - Overspeed protection warning and shutdown
  - Oil pressure warning and shutdown
  - Coolant temperature warning and shutdown
  - Low coolant shutdown
  - Battery voltage over and under protection
  - Generator over / under voltage warning and shutdown
  - Generator over / under frequency warning and shutdown
  - Over current shutdown
- -40F to 185F operating temperature range

## **ELECTRICAL CONTROLS**

- Remote starting capability
  - Start / Stop contacts located on terminal strip
- Lockable control box door
  - Window to observe LCD

- Lug box safety switch
  - Main breaker trips when door is opened & voltage regulator is disabled
- Cable entry box guards against any foreign objects having access to the lugs
- Output ground connection lug on inside of lug box
- Document holder to store supplied operation and parts manual
- 800 Amp main breaker
- Convenience receptacles with individual breakers
  - (2) 120 VAC 20 Amp GFCI duplex outlets (Nema 5-20R type) (139VAC in 480 operations)
  - (3) 125 / 250 VAC 50 Amp 3 pole 4 wire twistlock (Non Nema 6369)
- Panel mounted rheostat
  - Fine adjust voltage +/- 10%

### **VOLTAGE REGULATION**

- Voltage regulation is +/- 1% with Marathon SE350 Voltage regulator
- Generator speed is controlled by an electronic governor, and is switchable between droop and isochronous governing.

### **VOLTAGE SELECTION**

- Two position, voltage link board
  - 277/480 VAC, three phase High Wye
  - 120/208 VAC, three phase Low wye

### **ENCLOSURE**

- Sound attenuated aluminum enclosure with white industrial powder coat finish
- Enclosure with baffles and insulation
  - 68 dBA @ 23 feet at prime power
- Fully lockable enclosure
- Emergency stop switch located on outside of enclosure
- Locking external fuel cap
- Central lifting point on steel internal lifting structure
- Skid mounted for easy mounting to trailer or base

### **TRAILER**

- Industrial powder coated flat black finish
- Tie down points on unit
- Tail, side, brake, and directional lights meet DOT standards
- Tandem 7000 lb. axles w/surge brakes
- Adjustable 3" ring hitch
- 16" tires

**TRAILER cont...**

- Safety chains
- 5000lb. capacity "topwind" tongue jack w/footplate
- Non-skid step in front and rear of fender

## **Optional Accessories**

### **ENGINE HEATER OPTION**

- Kim Hotstart

### **BATTERY OPTIONS**

- Battery disconnect
- 2 amp battery charger

### **COOLANT OPTION**

- 60 /40 Coolant, 60% ethylene glycol

### **GENERATOR OPTIONS**

- Super start generator, 4 position phase switch
- Standard generator, 4 position phase switch

### **AUXILARY LIGHTING OPTIONS**

- Control panel light
- Interior light

### **BUCK TRANSFORMER OPTION**

- Buck transformer kit, 139v-120v

### **FUEL TANK OPTION**

- Tank with 120% containment pan

### **MISCALLENIOUS ACCESSORIES**

- JP 8 fuel lube adder kit