

### ENGINE

- John Deere,® 3029HFG03 - turbocharged, aftercooled diesel engine
  - Prime – 67 hp, 50kWm @ 1800 rpm
  - Standby – 74 hp, 55 kWm @ 1800 rpm
  - 3 cylinder
  - 2.9 L displacement
  - EPA Final Tier 4 approved
- Polyethylene, single wall fuel tank
  - 100 gal. (378.5 L) capacity
  - 24 hr. run time – full load
  - Fuel tank built into skid of generator set
  - 120% Containment
- Cooling system capable of operating at 120°F (49°C) ambient
- Radiator and oil drains plumbed to exterior
- Rubber vibration dampers isolate engine/generator from frame
- Disposable air filter - paper element
- Air cleaner restriction indicator
- 60 Hz engine/generator
- Electronic isochronous governing
- Idle switch

### GENERATOR

- Marathon Electric® SUPERSTART™
  - Brushless
  - 4 pole
  - Class H insulation
- Voltage regulation +/- 0.5% with Magnum PM600 Voltage Regulator

### SYSTEM OUTPUTS

- 3 position selector switch
  - Single phase – 120 / 240V Zig Zag
  - Three phase – 120 / 208V Low Wye
  - Three phase – 277 / 480V High Wye
- 46 kW / 46 kVA – standby, single phase
- 42 kW / 42 kVA – prime, single phase
- 48 kW / 60 kVA – standby, three phase
- 44 kW / 55 kVA – prime, three phase

## SYSTEM CONTROLS

- Power Zone® controller and display
  - Backlit, 800 x 480 pixel resolution color display
  - -40°F to 185°F (-40°C to 85°C) operating temperature range
  - Automatic coarse voltage adjustment
  - Integrated fine voltage adjustment
  - PLC functionality
- Push buttons for easy operation
  - Manual or Auto Start
  - Engine Start
  - Engine Stop/Reset
  - Alarm Mute
  - Operator Screens
    - Home
    - Engine
    - Generator
    - Voltage Adjust
  - Scrolling Arrows for Diagnostic Information
    - Engine diagnostic display
      - Oil pressure
      - Engine temperature
      - Fuel level
      - Battery
      - After treatment inlet/outlet temperature
      - Ash/soot levels
    - Generator diagnostic display
      - System kW output display
      - Line output & frequency display
    - Alarms
      - Warning
      - Shutdown
      - Electrical Trip
      - Engine
    - Alarm list – warnings / shutdowns; 250 event history log – date/time stamp
      - Fuel level: warning – 15%; shutdown – 5%
      - Over speed protection: shutdown – 115%
      - Oil pressure: warning – 25 psi; shutdown – 20 psi
      - Coolant temperature: warning – 220°F (104°C); shutdown – 230°F (110°C)
      - Battery voltage: over – 15VDC; under – 11VDC
      - Generator over voltage: warning – 110%; electrical trip – 111%
      - Generator under voltage: warning – 87%; electrical trip – 86%
      - Generator over frequency: warning – 105%; electrical trip – 110%
      - Generator under frequency: warning – 95%; electrical trip – 90%

**SYSTEM CONTROLS (continued)**

- Inputs/Outputs
- Auto Schedule
- Status
- Configuration of controller, firmware and connections

**ELECTRICAL CONTROLS**

- Remote start / stop contacts located in lug box
- Lockable control box door with diagnostics window
- Lockable lug box with safety switch
  - Trips main breaker when door is opened
  - Disables voltage regulator
- Output ground connection lug inside lug box
- 225A main breaker with shunt trip
- Convenience receptacles with individual breakers (restricted use in high wye mode)
  - (2) 120V 20 Amp GFCI duplex outlets – (NEMA 5-20R type)
  - (2) 125 / 250V 50 Amp, 3 pole, 4 wire twistlock (Non-NEMA 6369)
- Voltage adjustment integrated into Power Zone controller, +/- 10%
- 720 CCA wet cell battery
- Battery disconnect
- Panel lighting for breakers, lugs, and selector switch

**ENCLOSURE**

- Aluminum, sound attenuated enclosure
  - UV & fade resistant, high temperature cured, white polyester powder paint
  - Insulated and baffled
  - 68 dB(A) @23 ft. (7 m) – prime power
- Fully lockable enclosure including doors and fuel fill
- Emergency stop switch located on outside of enclosure
- Central lifting point
- Multi-lingual operating/safety decals
- Document holder with operating manual including AC/DC wiring diagrams
- Interior Cabinet lighting

**TRAILER**

- DOT approved tail, side, brake, and directional lights - LED
- Transportation tie downs
- Safety chains with spring loaded safety hooks
- 2 in. (50.8 mm) ball hitch
- 6000 lb. (2722 kg) axle
- 2000 lb. (907 kg) tongue jack with footplate
- P225/75 R15 tubeless tires – 6 ply

**WEIGHT & DIMENSIONS**

- Skid mounted
  - Dry weight: 3305 lbs (1499 kg)
  - Operating weight: 4040 lbs (1833 kg)
  - 95 x 39 x 65 in (2.41 x 0.99 x 1.65 m)
- Trailer mounted
  - Dry weight: 3905 lbs (1771 kg)
  - Operating weight: 4640 lbs (2105 kg)
  - 152 x 58 x 83 in (3.81 x 1.45 x 2.11 m)

**WARRANTY**

2 Years / 2000 Hours

**CERTIFICATIONS**

CSA Certified