ENGINE

- John Deere® PE4045HF285 - turbocharged, diesel engine
  - Prime - 144 hp @ 1800 rpm
  - Standby - 158 hp @ 1800 rpm
  - 4 cylinder
  - 4.5 L displacement
  - Tier III approved
- Steel, single wall fuel tank
  - 342 gal. (1295 L) capacity
  - 44 hr. run time – full load
  - Fuel tank built into skid of generator set
- Fuel consumption at prime:
  - 100% - 7.4 gph (28.0 Lph)
  - 75% - 5.6 gph (21.2 Lph)
  - 50% - 3.7 gph (14.0 Lph)
- Cooling system capable of operating at 120°F (49°C) ambient
- Low coolant shutdown
- Radiator and oil drains plumbed to exterior
- Rubber vibration dampers isolate engine/generator from frame
- Disposable air filter - paper element
- Air cleaner restriction indicator mounted on control panel
- 60 Hz engine/generator
- Electronic isochronous governing

CAN-STANDARD FEATURES

- 60/40 coolant
- Block heater
- Heated fuel filter
- Liquid containment
- Clutch fan
- Transport Canada tank

GENERATOR

- Marathon Electric®
  - Brushless
  - 4 pole
  - Class H insulation
- Voltage regulation +/- 1% with Marathon SE350 Voltage Regulator

SYSTEM OUTPUTS

- 3 position selector switch + 600V switch
  - Single phase – 120 / 240V Zig Zag
    - 44 kW / 44 kVA – standby, single phase
    - 40 kW / 40 kVA – prime, single phase
  - Three phase – 120 / 208V Low Wye
    - 82 kW / 103 kVA – standby, three phase
    - 78 kW / 98 kVA – prime, three phase
  - Three phase – 277 / 480V High Wye
    - 95 kW / 119 kVA – standby, three phase
    - 90 kW / 113 kVA – prime, three phase
  - Three phase – 346 / 600V High Wye
    - 102 kW / 128 kVA – standby, three phase
    - 94 kW / 117 kVA – prime, three phase

SYSTEM CONTROLS

- Microprocessor-based controller
  - Backlit, color display
  - Thermostatically controlled LCD heater
  - -40°F to 185°F (-40°C to 85°C) operating temperature range
- Six LED indicators w/ lamp test
  - Alarm / Fault (Red)
  - Ready / Manual (Red)
  - Running (Green)
  - Warning (Yellow)
  - Ready / Auto (Green)
  - Supplying Load (Green)
- Push buttons for easy operation
  - Manual or Auto Start
  - Engine Start
  - Engine Stop/Reset
  - Alarm Cancel and Fault Set
  - Scrolling Arrows for Diagnostic Information
    - System kW output display
    - Line output & frequency display
    - Engine diagnostic display
      - Oil pressure
      - Engine temperature
      - Fuel level
      - Battery
    - System hours
      - Running hours
      - kW hours
      - Time to service

SYSTEM CONTROLS (continued)

- 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%; shutdown – 111%
    - Generator under voltage: warning – 87%; shutdown – 86%
    - Generator over frequency: warning – 105%; shutdown – 110%
    - Generator under frequency: warning – 95%; shutdown – 90%
    - Over current shutdown

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
- 450A 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)
    - (3) 125 / 250V 50 Amp, 3 pole, 4 wire twistlock (Non-NEMA 6369)
- Voltage adjustment integrated into Power Zone controller. - +/- 10%
- 1000 CCA wet cell battery

ENCLOSURE

- Aluminum, sound attenuated enclosure
    - Centralized location for all electrical connections/wiring
    - UV & fade resistant, high temperature cured, white polyester powder paint
    - Insulated and baffled - 68 dB(A) at 23 feet – prime power
- Fully lockable enclosure including doors and fuel fill
- Stainless steel hinges on doors
- 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

TRAILER

- DOT approved tail, side, brake, and directional lights; recessed rear lights
- Transportation tie downs
- Safety chains with spring loaded safety hooks
- 3” (76.2 mm) lunette ring hitch
- (2) 6000 lb. (2722 kg) axles with surge brakes
- 5000 lb. (2268 kg) tongue jack with footplate
- 7.50x16E-6-W tubeless tires – 10 ply

WEIGHT & DIMENSIONS

- Skid mounted
    - Dry weight: 5429 lbs (2463 kg)
    - Operating weight: 7914 lbs (3590 kg)
    - 132 x 50 x 77 in (3.35 x 1.27 x 1.95 m)
- Trailer mounted
    - Dry weight: 6825 lbs (3096 kg)
    - Operating weight: 9310 lbs (4223 kg)
    - 210 x 86 x 93 in (5.33 x 2.18 x 2.36 m)

WARRANTY

Engine and generator covered under OEM warranty – consult factory for details

CERTIFICATIONS

CSA Certified