

**ENGINE**

- Isuzu® 4LE1NYGV-03 - naturally aspirated, diesel engine
  - Prime - 32 hp @ 1800 rpm
  - Standby - 35 hp @ 1800 rpm
  - 4 cylinder
  - 2.2 L displacement
  - Tier IV Interim approved
- Steel, single wall fuel tank
  - 106 gal. (401.25 L) capacity
  - 45.4 hr. run time – full load
  - Fuel tank built into skid of generator set
- Fuel consumption at prime:
  - 100% - 1.8 gph (6.8 Lph)
  - 75% - 1.4 gph (5.3 Lph)
  - 50% - 0.9 gph (3.4 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 filter restriction indicator mounted on control panel
- 60 Hz engine/generator
- Droop governed

**CAN-STANDARD FEATURES**

- 60/40 coolant
- Block heater
- Heated fuel filter
- Liquid containment
- \*Transport Canada tank not required

**GENERATOR**

- Marathon Electric®
  - Brushless
  - 4 pole
  - Class H insulation
- Voltage regulation +/- 1% with Marathon SE350 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
- 16 kW / 16 kVA – standby, single phase
- 15 kW / 15 kVA – prime, single phase
- 20 kW / 25 kVA – standby, three phase
- 18 kW / 23 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
- 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)

**SYSTEM CONTROLS (continued)**

- 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%
- 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
- 90A 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

**ENCLOSURE**

- Flip-Hood design - aluminum, sound attenuated enclosure
  - Easy access for daily maintenance
  - 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
- Flip tongue design
- Safety chains with spring loaded safety hooks
- 2" (50.8 mm) ball hitch
- 3500 lb (1588 kg) axle
- 3000 lb (1361 kg) tongue jack with footplate
- P205/75R15 tubeless tires – 6 ply

**WEIGHT & DIMENSIONS**

- Skid mounted
  - Dry weight: 2048 lbs (1038 kg)
  - Operating weight: 2517 lbs (1222 kg)
  - 95 x 35 x 52 in (2.41 x 0.89 x 1.32 m)
- Trailer mounted
  - Dry weight: 2289 lbs (1147 kg)
  - Operating weight: 2758 lbs (1331 kg)
  - 150 x 57 x 67 in (3.81 x 1.45 x 1.70 m)

**WARRANTY**

Engine and generator covered under OEM warranty

**CERTIFICATIONS**

CSA Certified