Mobile Generator – MMG25FHI Specifications

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. 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 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

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

SYSTEM OUTPUT
- 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, 128x64 pixel resolution display
  - -40°F to 185°F operating temperature range
  - Thermostatically controlled LCD heater
  - 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 or Stop
  - Alarm Cancel & Fault Reset
  - 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 are date & time stamped
    - Fuel level: warning – 15%; shutdown – 5%
    - Overspeed protection: shutdown – 115%
    - Oil pressure: warning – 25 psi; shutdown – 20 psi
    - Coolant temperature: warning – 220°F; shutdown – 230°F
    - 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 next to lug box
- Lockable control box door with diagnostics window
- Lockable lug box with safety switch
  - Trips main breaker when lug door is opened
  - Disables voltage regulator
• Cable entry guides to the lug box  
  o Restricts access of foreign objects  
• Output ground connection lug inside lug box  
• 90A main breaker with shunt trip  
• Convenience receptacles with individual breakers (restricted use in high wye mode)  
  o (2) 120V 20 Amp GFCI duplex outlets (Nema 5-20R type)  
  o (2) 125 / 250V 50 Amp, 3 pole, 4 wire twistlock (Non-Nema 6369)  
• Panel mounted rheostat for voltage adjustment - +/- 10%  
• 720 CCA wet cell battery  

ENCLOSURE  
• Generac Mobile Power decals  
• “Flip-Hood” Patented design - aluminum, sound attenuated enclosure  
  o Easy access for daily maintenance  
  o Centralized location for all electrical connections/wiring  
  o UV & fade resistant, high temperature cured, white polyester powder paint  
  o Insulated and baffled  
  o 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  
• “Flip-Tongue” design  
• DOT approved tail, side, brake, and directional lights  
  o Recessed rear lights  
• Transportation tie downs  
• Safety chains with spring loaded safety hooks  
• 2” ball hitch  
• 3500 lb. axle  
• 3000 lb. tongue jack with footplate  
• P205/75R15 tubeless tires – 6 ply  

WEIGHTS & 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 – consult factory for details.

CERTIFICATIONS
- CSA certified

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**MMG25FHI Options**

**ENGINE OPTIONS**
- In-line engine block heater (Kim Hotstart)
- Fuel transfer pump

**ELECTRICAL CONTROLS OPTIONS**
- 720 CCA gel cell battery
- Battery disconnect
- Battery charger – 2A trickle

**GENERATOR OPTIONS**
- PMG Generator - critical grade power quality
- Super Start Generator - motor starting applications

**VOLTAGE OUTPUT OPTIONS**
- 4 position phase switch
  - Single phase – 120 / 240V Zig Zag
  - Three phase – 120 / 208V Low Wye
  - Three phase – 277 / 480V High Wye
  - Three phase – 120 / 240V Delta
- Dedicated voltage configurations
- Buck Transformer kit – Provides 120V at GFCI outlets when in 277/480V
- Cam locks

**SYSTEM CONTROLS OPTIONS**
- Analog gauges
- Auxiliary strobe/audible indication for soft & hard alarm conditions
COOLANT OPTIONS
- 60/40 Coolant - cold weather applications

ENCLOSURE OPTIONS
- Fire extinguisher
- Interior cabinet light
- Control panel light

FUEL TANK OPTIONS
- 36 hr. double wall fuel tank
- 120% Containment

TRAILER OPTIONS
- Single axle trailer w/ surge brakes
- Single axle trailer w/ electric brakes
- Tandem axle trailer w/ surge brakes
- Tandem axle trailer w/ electric brakes
- 6 pin or 7 spade electrical connectors
- Spare tire/wheel kit

HITCH OPTIONS
- 3" lunette ring
- 2 5/16" ball
- Adjustable height options:
  - 2" ball
  - 2 5/16" ball