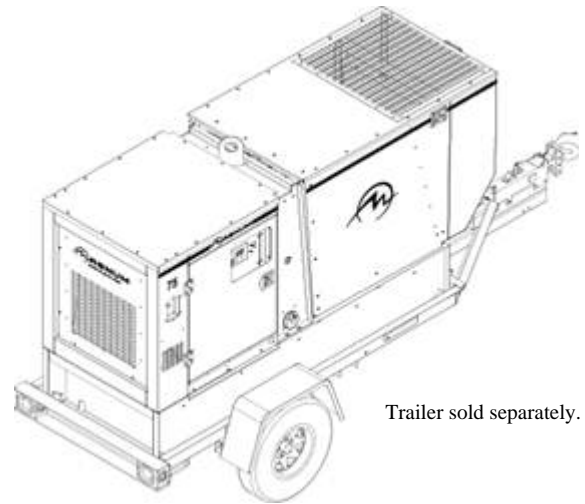


## Magnum Mobile Generator – MMG75D Specifications

### ENGINE

- John Deere® PE4045HFG92 - turbocharged, diesel engine
  - Prime - 97 hp @ 1800 rpm
  - Standby - 107 hp @ 1800 rpm
  - 4 cylinder
  - 4.5 L displacement
  - Interim Tier IV approved
- Steel, single wall fuel tank
  - 165 gal. capacity
  - 31 hr. run time – full load
  - Fuel tank built into skid of generator set
- Fuel consumption at prime:
  - 100% - 4.78 gph (18.1 Lph)
  - 75% - 3.74 gph (14.2 Lph)
  - 50% - 2.6 gph (9.8 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 cleaner restriction indicator mounted on control panel
- 60 Hz engine/generator
- Electronic isochronous governing



Trailer sold separately.

### GENERATOR

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

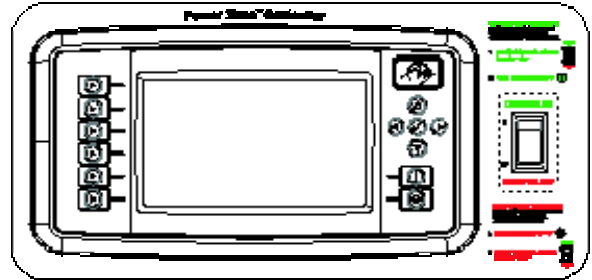
### SYSTEM OUTPUT

- 3 position selector switch
  - Single phase – 120 / 240V Zig Zag
  - Three phase – 120 / 208V Low Wye
  - Three phase – 277 / 480V High Wye
- 60 kW / 60 kVA – standby, single phase
- 56 kW / 56 kVA – prime, single phase
- 69 kW / 86 kVA – standby, three phase
- 62 kW / 77 kVA – prime, three phase

### SYSTEM CONTROLS

- Power Zone™ controller and display

- Backlit, 800 x 480 pixel resolution color display
- -40°F to 185°F 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
      - Aftertreatment 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%
      - 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%; 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%
      -
    - ◆ Inputs/Outputs
    - ◆ Auto Schedule
    - ◆ Status
      - Configuration of controller, firmware and connections



## 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 door is opened
  - Disables voltage regulator
- Cable entry guides to the lug box
  - Provides separation for cables
  - Restricts access of foreign objects
- Output ground connection lug inside lug box
- 300A 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)
- Panel mounted rheostat for voltage adjustment - +/- 10%
- 720 CCA wet cell battery

## ENCLOSURE

- Aluminum, sound attenuated enclosure
  - 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" lunette ring hitch
- 6000 lb. axle with surge brakes
- 3000 lb. tongue jack with footplate
- ST225/75R15 tubeless tires – 8 ply

## WEIGHTS & DIMENSIONS

### Skid mounted

- Dry weight: 3530 lbs (1600 kg)
- Operating weight: 4700 lbs (2131 kg)
- 101 x 40 x 68 in  
(2.57 x 1.02 x 1.73 m)

Trailer mounted

- Dry weight: 4240 lbs (1923 kg)
- Operating weight: 5410 lbs (2454 kg)
- 166 x 62 x 84 in  
(4.22 x 1.57 x 2.13 m)

**WARRANTY**

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

**CERTIFICATIONS**

- CSA certified

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**MMG75D Options**

**ENGINE OPTIONS**

- ◆ In-line engine block heater (Kim Hotstart)
- ◆ Fuel transfer pump

**ELECTRICAL CONTROLS OPTIONS**

- ◆ 720 CCA AGM sealed battery (Optima)
- ◆ Battery disconnect
- ◆ Battery charger – 2A trickle

**GENERATOR OPTIONS**

- ◆ PMG Generator - critical grade power quality
- ◆ SUPERSTART™ Generator - motor starting applications
  - 66 kW / 66 kVA – standby, single phase
  - 60 kW / 60 kVA – prime, single phase
  - 70 kW / 88 kVA – standby, three phase
  - 63 kW / 79 kVA – prime, three phase

**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. single wall fuel tank (requires tandem axle trailer)
- ◆ TBD hr. double wall fuel tank
- ◆ 120% Containment

## TRAILER OPTIONS

- ◆ 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

- ◆ 2" ball
- ◆ 2 5/16" ball
- ◆ Adjustable height options:
  - 2" ball
  - 2 5/16" ball