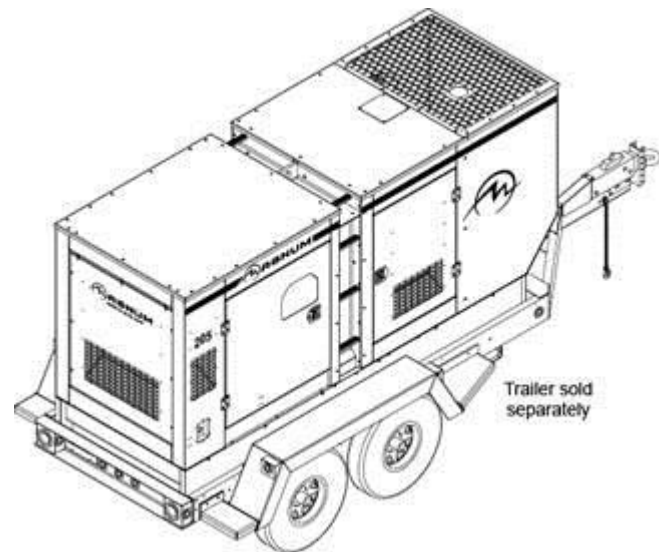


## Magnum Mobile Generator – MMG205 Specifications

### ENGINE

- John Deere® PE6068HFG95 - turbocharged, diesel engine
  - Prime - 252 hp @ 1800 rpm
  - Standby - 268 hp @ 1800 rpm
  - 6 cylinder
  - 6.8 L displacement
  - Interim Tier IV emissions
- Steel, single wall fuel tank
  - 342 gal. capacity
  - 24.5 hr. run time – full load
  - Fuel tank built into skid of generator set
- Fuel consumption at prime:
  - 100% - 12.8 gph (48.5 Lph)
  - 75% - 9.6 gph (36.3 Lph)
  - 50% - 6.4 gph (24.2 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
- Electronic isochronous governing
- Utilizes DOC / DPF exhaust filter
- Variable Geometry Turbocharger (VGT)



### GENERATOR

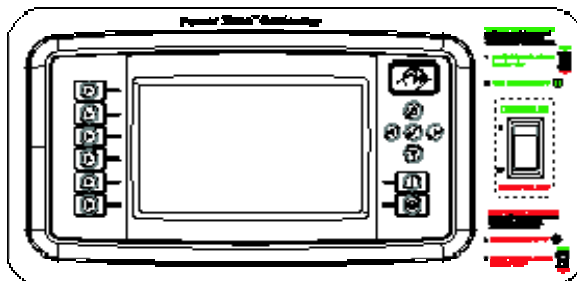
- Marathon Electric®
  - Brushless
  - 4 pole
  - Class H insulation
- Voltage regulation +/- 1% with Marathon SE350 Voltage Regulator

### SYSTEM OUTPUT

- 3 Position voltage selector switch:
  - Single phase – 120/240V Zig Zag
  - Three phase – 120 / 208V Low Wye
  - Three phase – 277 / 480V High Wye
- 174 kW / 217 kVA – standby, three phase
- 164 kW / 205 kVA – prime, three phase
- 155 kW / 155 kVA – standby, single phase
- 142 kW / 142 kVA – prime, single 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 lug door is opened
  - Disables voltage regulator
- Cable entry guides to the lug box
  - Restricts access of foreign objects
- Output ground connection lug inside lug box
- 800A 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%
- 1000 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
- (2) 6000 lb. axles with surge brakes
- 5000 lb. tongue jack with footplate
- ST235/80R16 tubeless tires – 10 ply
- NATM compliant

## WEIGHTS & DIMENSIONS

### Skid mounted

- Dry weight: 6624 lbs (3005 kg)
- Operating weight: 9052 lbs (4106 kg)
- 144 x 50 x 77 in  
(3.66 x 1.27 x 1.96 m)

Trailer mounted

- Dry weight: 8020 lbs (3638 kg)
- Operating weight: 10448 lbs (4739 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

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## MMG205 Options

### ENGINE OPTIONS

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

### ELECTRICAL CONTROLS OPTIONS

- ◆ Battery disconnect
- ◆ Battery charger – 2A trickle

### GENERATOR OPTIONS

- ◆ PMG Generator - critical grade power quality
- ◆ SUPERSTART™ Generator - motor starting applications
  - 178 kW / 222 kVA – standby, three phase
  - 166 kW / 208 kVA – prime, three phase
  - 176 kW / 176 kVA – standby, single phase
  - 167 kW / 167 kVA – prime, single 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

- ◆ 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**

- ◆ 120% Containment

## **TRAILER OPTIONS**

- ◆ Tandem axle trailer w/ electric brakes
- ◆ 6 pin or 7 spade electrical connectors
- ◆ Spare tire/wheel kit