

Magnum Mobile Generator – MMG 155 SS, Specifications

SUPER START GENERATOR

- Reduces voltage dip on starting events
 - Decreases stress on the motor being started
 - Increases the life of motor starting contactors and prevents chattering
- Reduces internal generator temperature
- Allows smaller engines to effectively start larger motors
 - Lower fuel consumption
 - Lower cost unit acquisition
 - Reduced chance of wet-stacking
- SS gen-end increases single motor starting by 83% over standard model
- Increases motor starting kVA from 275 sKVA to 503 sKVA (w/25% voltage dip)
- Will start a 87 HP motor (Nema starting code G w/25% voltage dip at 460 VAC)
- SS gen-end skid includes a larger fuel tank
 - Increases engine runtime to 36 hours at prime power
 - Requires MTG 230 trailer
- Marathon Electric generator
 - 146 kW/183 kVA standby 3 phase
 - 132 kW/165 kVA prime 3 phase
 - 143 kW/143 kVA standby single phase
 - 130 kW/130 kVA prime single phase
 - Class H insulation
 - Brushless
 - 3 position selector switch
 - Single phase 120/240 VAC
 - Three phase 120/208 VAC
 - Three phase 277/480 VAC
 - CSA Listed, Class 42501 for Electric Generating Plants

ENGINE

- John Deere PE6068HF275 turbocharged diesel engine
 - 6.8 Liter, 6 cylinder
 - 200 Hp at 1800 rpm (prime)
 - Tier II approved
- 36 hr fuel tank w/SS generator
- Fuel consumption at prime:
 - 25% power is 2.73 g/h
 - 50% power is 4.86 g/h



- 75% power is 7.25 g/h
- 100% power is 9.80 g/h
- Radiator sized to allow continuous operation in 120 F temperatures
- Radiator and oil drains on flexible hose extensions
- Rubber vibration dampers to frame
- Dry paper type disposable air filter
- Air cleaner restriction indicator mounted on control panel
- 1000 CCA wet cell battery

UNIT CONTROLS

- Magnum Products EZ-1 Genset controller
 - Backlit, 128 x 64 pixel resolution monitoring display
 - Six LED indicators w/ lamp test on startup
 - Alarm / Fault (Red)
 - Ready / Manual (Green)
 - Running (Green)
 - Warning (Yellow)
 - Ready / Auto (Green)
 - Supplying Load (Green)
 - Push buttons for easy operation w/ sealed membrane to IP65
 - Operation of engine / generator set
 - Manual
 - Auto
 - Alarm Cancel
 - Fault Reset
 - Engine Start
 - Engine Stop
 - Available metering displays include
 - Engine speed
 - Oil Pressure
 - Coolant Temperature
 - Battery voltage
 - Fuel level
 - Running hour meter
 - All generator measurements (KVA_r, kW, V1-V3, Hz, Amperage L1-L3, kWh, KVAh)
 - Engine/generator
 - Fuel level warning and shutdown
 - Overspeed protection warning and shutdown
 - Oil pressure warning and shutdown
 - Coolant temperature warning and shutdown
 - Battery voltage over and under protection



- Generator over / under voltage warning and shutdown
- Generator over / under frequency warning and shutdown
- Over current shutdown
- -40F to 185F operating temperature range

ELECTRICAL CONTROLS

- Remote starting capability
 - Start / Stop contacts located on terminal strip
- Lockable control box door
 - Window to observe LCD
- Lug box safety switch
 - Main breaker trips when door is opened
- Cable entry box guards against any foreign objects having access to the lugs
- Output ground connection lug on inside of lug box
- Document holder to store supplied operation and parts manual
- 600 Amp main breaker
- Convenience receptacles with individual breakers
 - (2) 120 VAC 20 Amp GFCI duplex outlets (Nema 5-20R type) (139VAC in 480 operations)
 - (3) 125 / 250 VAC 50 Amp 3 pole 4 wire twistlock (Non Nema 6369)
- Panel mounted rheostat
 - Fine adjust voltage +/- 10%

VOLTAGE REGULATION

- Voltage regulation is +/- 1% with Marathon SE350 Voltage regulator
- Generator speed is controlled by an electronic governor, and is switchable between droop and isochronous governing
- Lockable voltage selector switch
 - 277 / 480 VAC three phase High wye
 - 120 / 208 VAC three phase Low wye
 - 120 / 240 VAC single phase Zig Zag

ENCLOSURE

- Sound attenuated aluminum enclosure with white industrial powder coat finish
- Enclosure with baffles and insulation
 - 68 dBA @ 23 feet at prime power
- Fully lockable enclosure
- Emergency stop switch located on outside of enclosure
- Locking external fuel cap
- Central lifting point on steel internal lifting structure
- Skid mounted for easy mounting to trailer or base



TRAILER

- Industrial powder coated flat black finish
- Tie down points on unit
- Tail, side, brake, and directional lights meet DOT standards
- Tandem 7000 lb. axles w/surge or electric brakes
- Adjustable 3" ring hitch
- 16" tires
- Safety chains
- 5000lb. capacity "topwind" tongue jack w/footplate
- Non-skid step in front and rear of fender

WARRANTY

- 1 year unlimited hours, 2 years 2000 hours on unit
- 1 year unlimited hours, 2 years 2000 hours from John Deere



Magnum Mobile Generator – MMG 155 SS, Optional Accessories

GENERATOR OPTIONS

- 4 position phase switch – provides 120/240 3Ø Delta
- Dedicated voltage configurations

ENGINE OPTIONS

- In-line engine block heater (KIM hot start)
- Battery disconnect
- Fuel transfer pump
- Battery charger – 2 amp trickle

UNIT CONTROL OPTIONS

- Low coolant shutdown kit
- Analog gauges

ELECTRICAL CONTROL OPTIONS

- Buck transformer for 120 volts at 480 VAC
- Auxiliary strobe/audible indication for soft and hard alarm conditions
- Control panel light
- Interior light

ENCLOSURE OPTIONS

- Fire extinguisher
- Rear stabilizer jacks (2)

TRAILER OPTIONS

- Electric Brakes
- Adjustable height 2 5/16” ball hitch
- 6 pin or 7 spade electrical connectors
- Spare tire/wheel kit

