

MGG100



Gaseous Generators

Engine

Generac® - Naturally aspirated, gaseous engine
 Standby - 149 hp @ 1800 rpm
 8 cylinder
 8.9 L displacement
 EPA certified mobile & stationary
 Fuel consumption rates (natural gas):
 100% - 1116 ft³/hr (31.6 m³/hr)
 75% - 904 ft³/hr (25.6 m³/hr)
 50% - 669 ft³/hr (19.0 m³/hr)
 Inlet fuel regulator
 Gas/water separator

Cooling system capable of operating at 120°F ambient
 Clutch fan (option)
 Low coolant shutdown
 Oil drain plumbed to exterior
 Kenco oil level controller with 16 gallon reservoir
 Rubber vibration dampers isolate engine/generator from frame

Generators

Marathon Electric®
 Brushless
 4 pole
 Class H insulation
 Voltage regulation +/- 1%
 Permanent Magnet Generator (PMG)

System

Three phase – 277 / 480V High Wye, Natural Gas
 100 kW – standby, three phase

Output

60 kW – continuous, three phase
 Performance on non-standard gas will vary. Gas content must be approved by Magnum.

System Controls

Generac® H-100 controller
 Encapsulated board with sealed harness
 4-20mA voltage-to-current sensors
 Advanced diagnostics and communications



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Electrical Controls

- Eaton DH364URK safety disconnect
- NEMA 3R rainproof enclosure
- Lockable lug box with safety switch
- Cable entry guides to the lug box
 - Restricts access of foreign objects
- Output ground connection lug inside lug box
- 200A/600V rating
- UL listed
- Main breaker
- 720 CCA liquid acid battery
- Battery charger
- Battery disconnect

Enclosure

- Aluminum, sound attenuated enclosure
 - 80.5 dB(A) at 23 feet – prime power
- Fully lockable enclosure
- 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 5/16" ball option)
- (1) 6000 lb. axle with surge brakes (tandem option) (electric option)
- 2000 lb. tongue jack with footplate
- ST225/75R15 tubeless tires – 8 ply
- NATM compliant

Weight & Dimensions

- Skid mounted
 - Operating weight: TBD lbs plus well gas equipment (TBD kg)
 - 119 x 40 x 62 in (3.02 x 1.02 x 1.57 m)
- Trailer mounted
 - Operating weight: TBD lbs plus well gas equipment (TBD kg)
 - 170 x 69 x 80 in (4.32 x 1.75 x 2.03 m)

Warranty

- 1 year/2000 hours