MGG210 | 11.1L | 232 kVA

MOBILE GASEOUS GENERATOR

EPA Certified: Mobile and Stationary Non-Emergency

Prime Rating
231 kVA, 185 kW, 60 Hz (NG)
182 kVA, 145 kW, 50 Hz (NG)
150 kVA, 120 kW, 60 Hz (LP)
139 kVA, 111 kW, 50 Hz (LP)

Continous Rating
212 kVA, 170 kW, 60 Hz (NG)
165 kVA, 132 kW, 50 Hz (NG)
153 kVA, 122 kW, 60 Hz (LP)
140 kVA, 112 kW, 50 Hz (LP)

Standby Rating
258 kVA, 206 kW, 60 Hz (NG)
231 kVA, 185 kW, 50 Hz (NG)
175 kVA, 140 kW, 60 Hz (LP)
154 kVA, 123 kW, 50 Hz (LP)

Picture shown may not reflect actual configuration.

Codes and Standards

Generac Mobile products are designed to the following standards:

NATM

Power When You and Where You Need It

Generac Mobile generators are designed and engineered to power a variety of projects, in the most extreme environments. Gensets are configured to meet customer needs, including choice of containment, cold weather packages, trailer options, and more.

Generac Mobile generators are manufactured to deliver reliable power, when and where you need it.

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STANDARD FEATURES

ENGINE SYSTEM

- PSI engine
- 6 Cylinder - Inline
- Turbocharged & Aftercooled
- 677 in^3 (11.1 L) Displacement
- Power @ 1,800 RPM -hp (kW):
  - Prime: 302 (225)
  - Standby: 272 (203)
- Engine Oil Replenishment System
- Two 12V, 1100 CCA, Group 8D Batteries
- Isolated Mounted Engine Supports
- Paper Element Air Filter with Safety Cartridge
- Fixed Speed Fan Drive
- Spin On Cartridge Oil Filter
- Oil Drain Extension
- Factory Filled Oil and Coolant
- Full Flow Gear Pump
- Engine Oil Replenishment System
  - 16 Gallon reservoir tank
  - Oil level regulator float

COOLING SYSTEM

- Capable of Operating at 120 °F (50 °C) Ambient
- 50/50 Coolant (50% Ethylene Glycol)
- UV/Ozone Resistant Hoses
- Closed Coolant Recovery System

CONTROL SYSTEM

- ComAp InteliGen NT™ digital controller
- 400A Main Line Circuit Breaker (MLCB)
- Emergency stop
- Battery Disconnect Switch
- Solenoid Activated Starter Motor
- Hour Meter
- Automatic Shutdown for High Coolant Temperature and Low Oil Pressure

ALTERNATOR SYSTEM

- Stamford™ UCI274
- Digital AVR
  - Brushless
  - 4 Pole
  - 2/3 pitch
  - Class H insulation
- Full Load Capacity Alternator
- Sealed Bearing
- Permanent Magnet Generator (PMG) Excitation System
- 60 Hz

POWER DISTRIBUTION

- Connection Lugs
- Convenience Receptacles
  - (2) 120V, 20A, GFCI Duplex
  - Receptacles (NEMA 5-20R)
- Connection Lugs

ENCLOSURE

- Heavy Gauge Aluminum Sound Attenuated Enclosure
- Skid-Mounted
- High Performance Sound Absorbing Material
- Gasketed Doors
- Upward Facing Discharge Hood (Exhaust)
- Stainless Steel Hinges, Door Latches, and Exterior Hardware
- Interior Cabinet Light
- White Polyester Powder Paint-UV and Fade Resistant
- Fully Lockable Enclosure
- Exterior Emergency Stop Switch
- Multi Lingual Operating and Safety Decals
- Document Holder with Owner's Manual – Includes AC and DC Wiring Diagrams

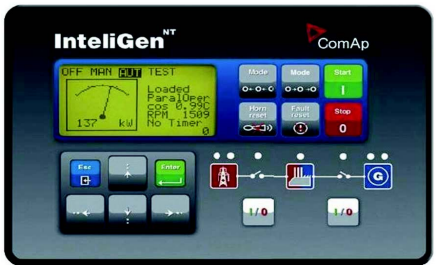
FUEL SYSTEM

- Natural Gas
- Liquid Propane
- Non-Commercial Wellhead Gas
- Automatic changeover Natrual Gas/Liquid Propane
- Fuel Shutoff Solenoid
- Fuel line NPT connection

WARRANTY

- 1 year / Unlimited Hours

CONTROL SYSTEM



InteliGen NT ™ Display

PROGRAM FUNCTIONS

- Genset START/STOP
- Operation Mode MAN/AUTO/TEST
- Manual Open/Close GCB
- Manual Open/Close MCB
- Horn Deactivation
- Fault Reset
- Menu Navigation
- E-Stop Button

CONNECTIONS AND COMMUNICATION

- CAN J1939
- RS485
- Modbus®

FULL SYTEM STATUS DISPLAY

- Power Output (kW)
- Power Factor COS
- kWh Total and Last Run
- Active / Reactive / Apparent Power
- All Phase AC Voltage
- All Phase Currents
- Oil Pressure
- Coolant Temperature
- Coolant Level
- Engine Speed
- Battery Voltage
- Mains Present
- Mains Failure
- Genset Voltage Present
- Genset Failure
- Genset Circuit Breaker ON
- Mains Circuit Breaker ON

ALARMS AND WARNINGS

- Oil Pressure
- Coolant Temperature
- Coolant Level
- Low Fuel Pressure
- Engine Over Speed
- Battery Voltage
- Alarms and Warnings Times and Date Stamped
- Snap Shot of Key Operation Parameters During Alarms and Warnings

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CONFIGURABLE OPTIONS

COLD WEATHER

- Engine Coolant Heater

FREQUENCY

- 50 Hz / 60 Hz Via Selector Switch

FUEL SYSTEM

- Parker Fuel Scrubber
- Van Air Fuel Scrubber

TRAILER

- Spare Tire
- Skidded - Non Trailered
- Two 7,000 lb (3,175 kg) Axles
- Electric Brakes
- 3 in (76.2 mm) Pintle Ring
- Transportation Tie Downs
- Safety Chains with Spring Loaded Safety Hooks
- Tongue Jack with Footplate – 10,000 lb (4,536 kg)
- Tires: 16 in (40.64 cm), 10-Ply, Tubeless
- DOT Approved Tail, Side, Brake, and Directional Lights; Recessed Rear Lights
- Illuminated License Plate Holder
- Plug Adapter—Flat 4 to Round 7 Spade

SPECIALLY ENGINEERED OPTIONS

ENGINE SYSTEM

- Closed Crankcase Ventilation (CCV) Heater with Blanket
- Murphy Oil Gauget

CONTROL SYSTEM

- Control Panel Lights
- Digital Controls

POWER DISTRIBUTION

- Cam Locks

RATING DEFINITIONS

Prime: Applies to supplying power to a varying load in lieu of utility for an unlimited amount of running time.

Continuous: The maximum power the generator is capable of delivering continuously while supplying a constant electrical load when operated.

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GENERAC® | MOBILE

APPLICATION AND ENGINEERING DATA

ENGINE SPECIFICATIONS

General

Make	PSI
Cylinder #	6
Type	Inline
Displacement: in^3 (L)	677 (11.1)
Bore: in (mm)	4.84 (123)
Stroke: in (mm)	6.1 (155)
Compression Ratio	10.5:1
Intake Method	Turbocharged / Aftercooled
Connecting Rods	Steel Alloy
Cylinder Heads	Cast Iron OHV
Cylinder Liners	Cast Iron Alloy
Ignition	Electronic
Piston Type	Aluminum Alloy
Crankshaft Type	Forged Steel Alloy
Lifter Type	Solid
Intake Valve Material	High-Temperature Steel Alloy
Exhaust Valve Material	High-Temperature Steel Alloy
Hardened Valve Seats	High-Temperature Steel Alloy

Engine Governing

Governor	Electronic
Frequency Regulation (Steady State)	0.25

Lubrication System

Oil Pump	Gear Driven
Oil Filter Type	Full Flow Spin-On Cartridge
Engine Oil Capacity: qt (L)	32.7 (31)

Cooling System

Cooling System Type	Pressurized Closed Recovery
Fan Type	Pusher
Fan Diameter: in (mm)	38.0 (965)
Fan Speed: RPM	1,894 - 60 Hz 1,575 - 50 Hz

Fuel System

Fuel Type	Natural Gas / Wellhead Gas / Liquid Propane
Carburetor	Down Draft
Secondary Fuel Regulator	EPR
Fuel Shutoff Solenoid	Standard (Dual)
Engine Operating Fuel Pressure: in. H2O (kPa)	7–11 (1.7–2.7)
Inlet Gas Supply Pressure	NG 10 psi min. 20 psi max LP 1.0 psi min 250 psi max

Engine Electrical System

System Voltage: VDC	24 VDC
Battery Charger Alternator	Standard
Battery Size	See Battery Index A0001839766
Battery Voltage	2 X 12 VDC
Ground Polarity	Negative (-)

ALTERNATOR SPECIFICATIONS

Standard Model	Stamford (UCI274)
Poles	4
Field Type	Revolving
Insulation Class	H
Total Harmonic Distortion (THD)	<5%
Telephone Interference Factor (TIF)	<50
Standard Excitation	Permanent Magnet
Bearings	Single
Coupling	Direct via Flexible Disc
Number of Sensed Phases	All
Regulation Accuracy (Steady State)	±1%

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OPERATING DATA

POWER RATINGS

	Prime NG: kVA/kW (A)	Continuous NG: kVA/KW (A)	Standby NG: kVA/kW (A)
Three Phase, 400/231 VAC @ PF 0.8 50 Hz	182/145 (262)	165/132 (238)	231/185 (334)
Three Phase, 480/277 VAC @ PF 0.8 60 Hz	231/185 (278)	212/170 (255)	258/206 (310)
	Prime LP: kVA/kW (A)	Continuous LP: kVA/kW (A)	Standby LP: kVA/kW (A)
Three Phase, 400/231 VAC @ PF 0.8 50 Hz	139/111 (200)	140/112 (202)	154/123 (222)
Three Phase, 480/277 VAC @ PF 0.8 60 Hz	150/120 (180)	153/122 (490)	175/140 (211)

FUEL CONSUMPTION RATES*

	50 Hz						60 Hz					
	Natural Gas: scfh (m^3/hr)			Propane: scfh (m^3/hr)			Natural Gas: scfh (m^3/hr)			Propane: scfh (m^3/hr)		
Load	Prime	Continuous	Standby	Prime	Continuous	Standby	Prime	Continuous	Standby	Prime	Continuous	Prime
100%	2,011 (56.9)	1,549 (43.9)	2,314 (65.5)	543 (15)	427 (12)	667 (18.9)	2,274 (64.4)	1,757 (49.8)	2,639 (74.7)	613 (17)	480 (14)	784 (22.2)
75%	1,549 (43.9)	1,202 (34.0)	1,785 (50.5)	427 (12)	339 (10)	521 (14.8)	1,757 (48.8)	1,369 (38.8)	2,043 (57.9)	480 (14)	383 (11)	613 (17.4)
50%	1,087 (30.8)	855 (24.2)	1,256 (35.6)	311 (9)	254 (7)	375 (10.6)	1,240 (35.1)	982 (27.8)	1,447 (41.0)	353 (10)	292 (8)	443 (12.5)
25%	624 (17.7)	509 (14.4)	727 (20.6)	198 (6)	170 (5)	229 (6.5)	723 (20.5)	594 (16.8)	850 (24.1)	232 (7)	202 (6)	272 (7.7)

COOLING

	50 Hz	60 Hz
Cooling Fan Air Flow cfm (m^3in)	15,429 (437)	18,000 (510)
Coolant Flow gal/min (L/min)	69 (260)	82 (310)
Coolant System Capacity gal (L)	23 (105)	23 (105)
Maximum Cooling Intake Air Temperature °F (°C)	122 (50)	122 (50)

COMBUSTION AIR REQUIREMENT

	50 Hz	60 Hz
Flow at Rated Power cfm (m^3/min)	396 (11)	8448 (13)

ENGINE

	50 Hz	60 Hz
Rated Engine Speed: RPM	1,500	1,800
Horespower at Rated RPM (NG PRP) HP (kW)	241 (180)	272 (203)
BMEP (NG PRP) PSI (kPa)	188 (1,296)	177 (1,219)

EXHAUST

	50 Hz	60 Hz
Exhaust Flow cfm (m^3/min)	47	53
Max. Allowable Backpressure inHG (kPa)	3 (10.2)	3 (10.2)
Exhaust Temperature (Pre Catalyst) °F (°C)	1,350 (732)	1,350 (732)

Deration – Operational characteristics consider maximum ambient conditions. Derate factors may apply under atypical site conditions.

Please consult a Generac Mobile Authorized Service Dealer for additional details. All performance ratings in accordance with ISO3046, BS5514, ISO8528, ISO8665, ISO3046, SAE J1228, SAE J1995, and DIN6271 standards.

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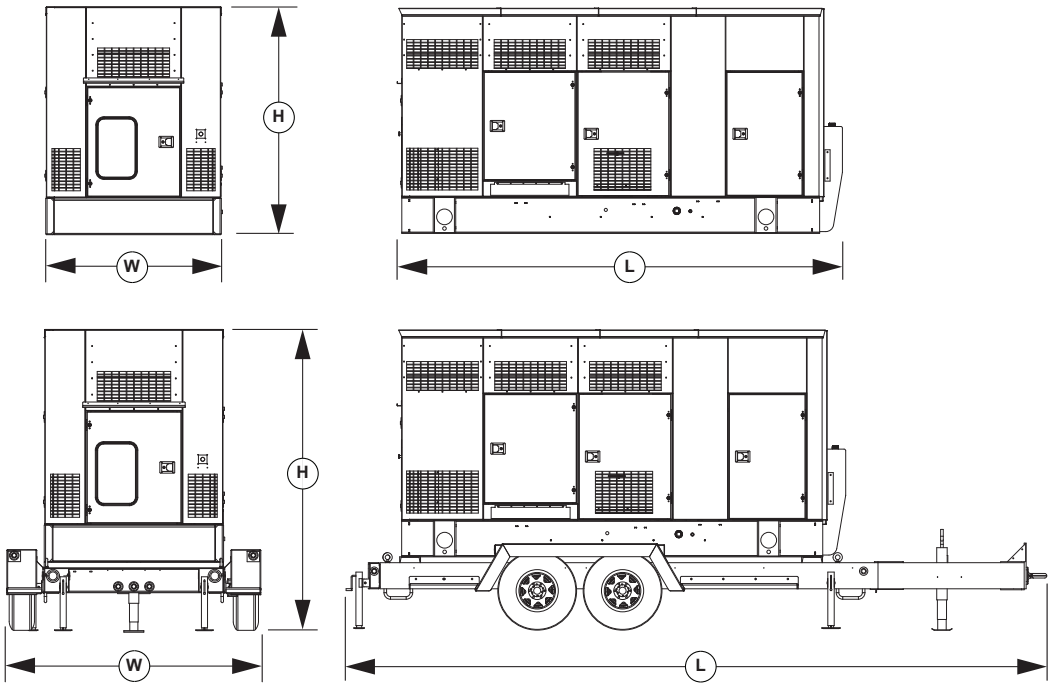
DIMENSIONS AND WEIGHTS*



STANDARD ENCLOSURE

Skid Mounted	
Operating Weight: lb (kg)	7,290 (3,306)
L×W×H: in (m)	201 (5.1) × 66 (1.67) × 92 (2.33)

Trailer Mounted	
Operating Weight: lb (kg)	9,890 (4,485)
L×W×H: in (m)	269 (6.83) × 102 (2.59) × 124 (3.15)
Noise Level - Prime (NG PRP), 60 Hz	78 dB(A) @ 23 ft (7 m)

* All measurements are approximate and for estimation purposes only.

YOUR FACTORY RECOGNIZED GENERAC MOBILE DEALER

Specification characteristics may change without notice. Dimensions and weights are for preliminary purposes only. Please consult a Generac Mobile Authorized Service Dealer for detailed installation drawings.

Spec Sheet

Generac Power Systems, Inc. | S45 W29290 HWY. 59 | Waukesha, WI 53189 | generac.com

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