

MGG155 | 8.1 L | 169 kVA

MOBILE GASEOUS GENERATOR

EPA Certified: Mobile and Stationary Non-Emergency

Prime Power Rating

169 kVA, 135 kW, 60 Hz (NG)
150 kVA, 120 kW, 50 Hz (NG)
125 kVA, 100 kW, 60 Hz (LP)
105 kVA, 84 kW, 50 Hz (LP)

Continuous Power Rating

125 kVA, 100 kW, 60 Hz (NG)
113 kVA, 90 kW, 50 Hz (NG)
94 kVA, 75 kW, 60 Hz (LP)
79 kVA, 63 kW, 50 Hz (LP)

Standby Power Rating

204 kVA, 163 kW, 60 Hz (NG)
166 kVA, 133 kW, 50 Hz (NG)
138 kVA, 110 kW, 60 Hz (LP)
116 kVA, 93 kW, 50 Hz (LP)



Picture shown may not reflect actual configuration.

Codes and Standards

Generac Mobile products are designed to the following standards:



NATM



ISO 8528-5

Power When 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.

STANDARD FEATURES

ENGINE SYSTEM

- 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
- Oil Make-Up System with Floating Valve
- Oil Make-Up Tank 60 L

COOLING SYSTEM

- Capable of Operating at 122 °F (50 °C) Ambient
- 50/50 Coolant (50% Ethylene Glycol)
- UV/Ozone Resistant Hoses
- Closed Coolant Recovery System

FUEL SYSTEM

- Automatic Changeover NG/LP
- Fuel Shutoff Solenoid
- Fuel Line NPT Connection

CONTROL SYSTEM

- Battery Disconnect Switch
- Solenoid Activated Starter Motor

GENERATOR SYSTEM

- Full Load Capacity Alternator
- Four Pole
- 2/3 Pitch
- Class H Insulation
- Rotor Dynamically Spin Balanced
- Permanent Magnet Generator (PMG) Excitation System

POWER DISTRIBUTION

- 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

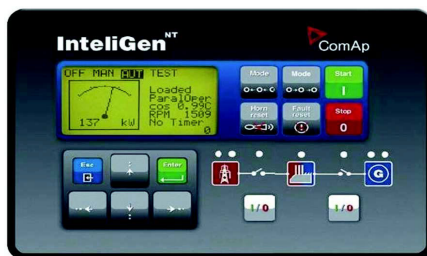
TRAILER

- 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

WARRANTY

- 1 Year or 2,000 Hours

CONTROL SYSTEM



IntelliGen NT™ Display

MANUAL 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 SYSTEM STATUS DISPLAY

- Power Output (kW)
- Power Factor
- 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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GENERAC® | **MOBILE**

CONFIGURABLE OPTIONS

COLD WEATHER

- Arctic Package

FUEL SYSTEM

- Parker Fuel Scrubber
- Van Air Fuel Scrubber

POWER DISTRIBUTION

- Buck Transformer

TRAILER

- Skidded - Non Trailered
- Spare Tire

ENGINEERED OPTIONS

ENGINE SYSTEM

- Closed Crankcase Ventilation (CCV) Heater with Blanket

CONTROL SYSTEM

- Control Panel Lights
- Digital Controls

POWER DISTRIBUTION

- Cam Locks - Single Set, Female

RATING DEFINITIONS

Standby: Applies to varying emergency load for the duration of a utility power outage.

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

APPLICATION AND ENGINEERING DATA

ENGINE SPECIFICATIONS

General

Make	PSI
Cylinder #	6
Type	Inline
Displacement: in ³ (L)	494 (8.1)
Bore: in (mm)	4.37 (111)
Stroke: in (mm)	5.47 (138)
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
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Lubrication System

Oil Pump	Gear
Oil Filter Type	Twin Full Flow
Engine Oil Capacity: qt (L)	25 (24)

ALTERNATOR SPECIFICATIONS

Standard Model	Stamford (UC1274)
Poles	4
Field Type	Revolving
Insulation Class	H
Total Harmonic Distortion (THD)	<5%
Telephone Interference Factor (TIF)	<50

Cooling System

Cooling System Type	Pressurized Closed Recovery
Fan Type	Pusher
Fan Diameter: in (mm)	27.9 (711)

Fuel System

Fuel Type	Natural Gas / Wellhead / LP
Carburetor	Down Draft
Secondary Fuel Regulator	EPR
Fuel Shutoff Solenoid	Standard (Dual)
Engine Operating Fuel Pressure - in H ₂ O (kPa)	7 - 11 (1.7 - 2.7)
Inlet Gas Supply Pressure	TBD

Engine Electrical System

System Voltage	24V DC
Battery Charger Alternator	Standard
Battery Size	See Battery Index A0001839766
Battery Voltage	2 x 12 VDC
Ground Polarity	Negative

Standard Excitation	Permanent Magnet
Bearings	Single
Coupling	Direct via Flexible Disc
Quantity of Sensed Phases	All
Regulation Accuracy (Steady State)	±1.0%

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	150/120 (217)	113/90 (163)	166/133 (240)
Three-Phase, 480/277 VAC @ PF 0.8 60 Hz	169/135 (203)	125/100 (151)	204/163 (245)
	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	105/84 (152)	79/63 (114)	116/93 (168)
Three-Phase, 480/277 VAC @ PF 0.8 60 Hz	125/100 (150)	94/75 (113)	138/110 (166)

FUEL CONSUMPTION RATES

Load	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)		
	Prime	Continuous	Standby	Prime	Continuous	Standby	Prime	Continuous	Standby	Prime	Continuous	Standby
100%	1,495 (42.3)	1,166 (33.0)	1,640 (46.4)	386 (11)	302 (9)	473 (13.4)	1,712 (48.5)	1,338 (37.9)	2,022 (57.3)	478 (14)	368 (11)	569 (16.1)
75%	1,162 (32.9)	915 (25.9)	1,270 (36.0)	302 (9)	239 (7)	370 (10.5)	1,336 (37.8)	1,055 (29.9)	1,568 (44.4)	368 (11)	289 (8)	445 (12.6)
50%	829 (23.5)	664 (18.8)	901 (25.5)	219 (6)	180 (5)	266 (7.5)	960 (27.2)	772 (21.9)	1,114 (31.5)	265 (8)	218 (6)	320 (9.1)
25%	496 (14.0)	413 (11.7)	532 (15.1)	141 (4)	122 (4)	163 (4.6)	583 (16.5)	490 (13.9)	661 (18.7)	172 (5)	150 (4)	195 (5.5)

COOLING

	50 Hz	60 Hz
Cooling Fan Air Flow cfm (m ³ /min)	10,714 (303)	12,500 (354)
Coolant Flow gal/min (L/min)	53 (201)	63 (238)
Coolant System Capacity gal (L)	18 (66)	18 (66)
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)	297 (8)	355 (10)

ENGINE

EXHAUST

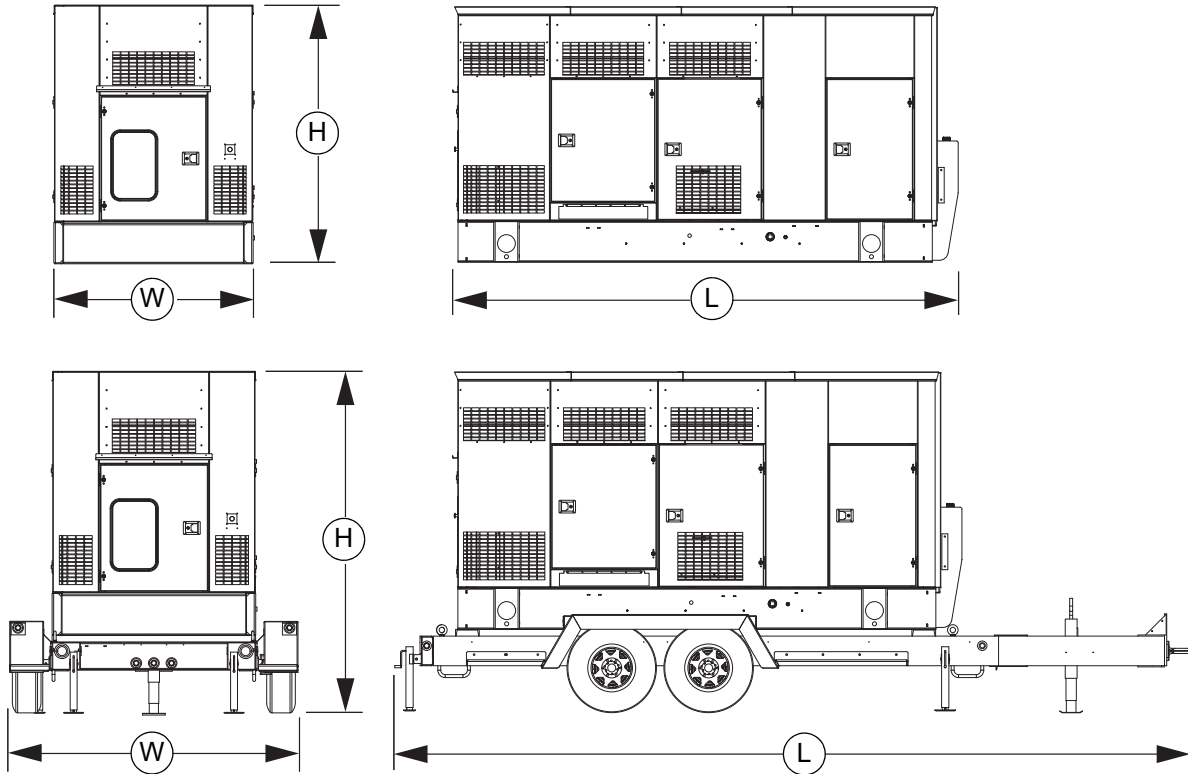
	50 Hz	60 Hz
Rated Engine Speed (RPM)	1,500	1,800
Horespower at Rated RPM (NG PRP) hp (kW)	175 (131)	200 (149)
BMEP (NG PRP) PSI (kPa)	187 (1,289)	178 (1,228)

	50 Hz	60 Hz
Exhaust Flow cfm (m ³ /hr)	1,241 (35.1)	1,781 (50.4)
Max. Allowable Backpressure inHG (kPa)	3 (10.2)	3 (10.2)
Exhaust Temperature (Pre Catalyst) °F (°C)	1,350 (732.2)	1,350 (732.2)

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.

DIMENSIONS AND WEIGHTS*



STANDARD ENCLOSURE

Skid Mounted	
Operating Weight (Dry / Operating) - lb (kg)	6,999 (3,174) / 7,245 (3,286)
L×W×H: in (m)	169×66×92 (4.29×1.67×2.33)
Trailer Mounted	
Operating Weight (Dry / Operating) - lb (kg)	9,399 (4,263) / 9,645 (4,374)
L×W×H: in (m)	269×102×124 (6.83×2.59×3.15)
Noise Level - Prime (NG PRP), 60 Hz	75 dB(A) @ 23 ft (7m)

* 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.