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#### **Prime Power Rating**

315 kVA, 252 kW, 60 Hz (NG) 251 kVA, 201 kW, 50 Hz (NG) 233 kVA, 186 kW, 60 Hz (LP) 180 kVA, 144 kW, 50 Hz (LP)

#### **Continuous Power Rating**

290 kVA, 232 kW, 60 Hz (NG) 230 kVA, 184 kW, 50 Hz (NG) 233 kVA, 186 kW, 60 Hz (LP) 181 kVA, 154 kW, 50 Hz (LP)

#### **Standby Power Rating**

335 kVA, 268 kW, 60 Hz (NG) 270 kVA, 216 kW, 50 Hz (NG) 278 kVA, 222 kW, 60 Hz (LP) 196 kVA, 157 kW, 50 Hz (LP)



Picture shown may not reflect actual configuration.

## **Codes and Standards**

Generac Mobile products are designed to the following standards:



## **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.

#### MOBILE GASEOUS GENERATOR

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#### STANDARD FEATURES

#### **ENGINE SYSTEM**

- · PSI Engine
- 8 Cylinder
- · Turbocharged and Aftercooled
- 892 in<sup>3</sup> (14.6 L) Displacement
- Power @ 1,800 RPM -hp (kW):
  - Prime: 362 (270)
  - Standby: 253 (189)
- Engine Oil Replenishment System
- Two 12V, 900 (minimum) CCA, Group 8D Batteries
- · Dual Stage Air Cleaner
- · Stainless Steel Flexible Exhaust Connection
- · Factory Filled Oil and Coolant
- · Industrial Exhaust Silencer
- · Air Filter Restriction Indicator
- · Full Flow Gear Pump
- · Engine Oil Replenishment System
  - · 16 Gallon Reservoir Tank
  - · Oil Level Regulator Float

#### **COOLING SYSTEM**

- · Closed Coolant Recovery System
- UV/Ozone Resistant Hoses
- Factory Installed Radiator
- 50/50 Coolant (50% Ethylene Glycol)
- Radiator Drain Extension

### **FUEL SYSTEM**

- Natural Gas
- · Liquid Propane
- · Non-Commercial Wellhead Gas
- · Automatic Changeover NG/LP
- · Fuel Shutoff Solenoid
- · Fuel line NPT Connection

#### **ALTERNATOR SYSTEM**

- · Full Load Capacity Alternator
- Permanent Magnet Generator (PMG) Excitation System
- · Rotor Dynamically Spin Balanced
- 60 Hz
- · Digital AVR
- Stamford<sup>TM</sup> UCI274
  - Brushless
  - 4 Pole
  - 2/3 Pitch
  - · Class H Insulation

#### **POWER DISTRIBUTION**

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

#### **ENCLOSURE**

- Heavy Gauge Aluminum Sound Attenuated Enclosure
- · Skid-Mounted
- · High Performance Sound Absorbing Material
- · Gasketed Doors
- · Upward Facing Discharge Hood (Exhaust)
- · Stainless Steel Hinges
- Internal Genset Vibration Isolation

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MOBILE

- Wrapped Exhaust Piping
- · Bottom (Floor) Power Cable Outlet
- Exhaust Silencer Mounted in Discharge Hood

#### **CONTROL SYSTEM**

- · Battery Disconnect Switch
- · Solenoid Activated Starter Motor
- . ComAp InteliGenNT Digital Controller
- · 400A Main Line Circuit Breaker (MLCB)
- Battery Disconnect
- Emergency Stop

#### WARRANTY

• 1 Year/Unlimited Hours

#### **CONTROL SYSTEM**



#### **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

#### **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 PresentMains Failure
- · Genset Voltage Present
- Genset Failure
- Genset Circuit Breaker ON
- Mains Circuit Breaker ON

#### CONNECTIONS AND COMMUNICATION

- CAN J1939
- RS485
- Modbus<sup>®</sup>

#### **ALARMS AND WARNINGS**

- Oil Pressure
- Coolant TemperatureCoolant Level
- · Low Fuel Pressure
- Engine Over SpeedBattery Voltage
- Alarms and Warnings Times and Date Stamped
- Snap Shot of Key Operation Parameters During Alarms and Warnings

#### MOBILE GASEOUS GENERATOR

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# GENERAC MOBILE

#### **CONFIGURABLE OPTIONS**

#### **ENGINE SYSTEM**

o Engine Coolant Heater

#### **FREQUENCY**

o 50 Hz/60 Hz Selector Switch

#### **FUEL SYSTEM**

o Fuel Scrubber

#### **TRAILER**

- o Spare Tire
- o Three 7,000 lb (3,175 kg) Axles
- o Electric Brakes
- o 3 in (76.2 mm) Pintle Hitch
- o Transportation Tie Downs
- o Safety Chains with Spring Loaded Safety Hooks
- Tongue Jack with Footplate 10,000 lb (4,536 kg)
- o Tires: 235/80, 16 in. Rim
- DOT Approved Tail, Side, Brake, and Directional Lights; Recessed Rear Lights
- o Illuminated License Plate Holder

### **SPECIALLY ENGINEERED OPTIONS**

#### **ENGINE SYSTEM**

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

#### **CONTROL SYSTEM**

- o Control Panel Lights
- o Digital Controls

#### POWER DISTRIBUTION

o 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.

## MOBILE GASEOUS GENERATOR

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## **APPLICATION AND ENGINEERING DATA**

## **ENGINE SPECIFICATIONS**

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Make	PSI
Cylinder #	8
Туре	V
Displacement: in <sup>3</sup> (L)	892 (14.6)
Bore: in (mm)	5.04 (128)
Stroke: in (mm)	5.59 (142)
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**

Covernor	Electronic
Governor	Electronic

## **Lubrication System**

Oil Pump	Gear
Oil Filter Type	Twin Full Flow
Engine Oil Capacity: qt (L)	32.7 (31)

## **Cooling System**

Cooling System Type	Pressurized Closed Recovery
Fan Type	Pusher
Fan Diameter: in (mm)	45 (1,143)

## 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	10-20 psi NG 1-250 psi LP

## Engine Electrical System

System Voltage	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	PMG
Bearings	Single
Coupling	Direct via Flexible Disc
Number of Sensed Phases	All
Regulation Accuracy (Steady State)	±1.0%

## MOBILE GASEOUS GENERATOR

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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 50Hz	260/208 (375)	230/184 (331)	287/230 (415)
Three Phase, 480/277 VAC @ PF 0.8 60Hz	299/237 (355)	290/232 (348)	335/268 (403)
	Prime LP: kVA/kW (A)	Continuous LP: kVA/kW (A)	Standby LP: kVA/kW (A)
Three Phase, 400/231 VAC @ PF 0.8 50Hz	174/139 (251)	181/154 (261)	190/152 (274)
Three Phase, 480/277 VAC @ PF 0.8 60Hz	221/177 (265)	233/186 (280)	203/163 (245)

## **FUEL CONSUMPTION RATES\***

			50	Hz					60			
	Natura	al Gas: scfh (r	m <sup>3</sup> /hr)	Pro	pane: scfh (m <sup>3</sup>	/hr)	Natu	ral Gas: scfh (	m <sup>3</sup> /hr)	Pro	pane: scfh (m <sup>3</sup> ,	/hr)
Load	Prime	Continuous	Standby	Prime	Continuous	Standby	Prime	Continuous	Standby	Prime	Continuous	Standby
100%	2,771 (78)	2,134 (60)	3,041 (86)	710 (20)	549 (16)	860 (24)	3,245 (92)	2,544 (72)	3,582 (101)	983 (28)	733 (21)	952 (27)
75%	2,134 (60)	1,656 (47)	2,336 (66)	549 (16)	426 (12)	664 (19)	2,546 (72)	2,020 (57)	2,799 (79)	733 (21)	577 (16)	754 (21)
50%	1,496 (42)	1,178 (33)	1,631 (46)	395 (11)	337 (10)	468 (13)	1,847 (52)	1,496 (42)	2,015 (57)	530 (15)	448 (13)	556 (16)
25%	859 (24)	700 (20)	926 (26)	259 (7)	195 (6)	271 (8)	1,147 (32)	972 (28)	1,231 (35)	372 (11)	322 (9)	358 (10)

## **COOLING**

	50 Hz	60 Hz
Cooling Fan Air Flow scfm (m3in)	25,714 (728)	30,000 (849)
Coolant Flow gal/min (L/min)	151 (570)	180 (680)
Coolant System Capacity gal (L)	33.5 (127)	33.5 (127)
Heat Rejection to Coolant BTU/min (kcal/sec)	13,904 (55)	16,189 (68)
Cooling Intake Air Temperature	122 (50)	122 (50)
Maximum Allowable Pressure Cap PSI (bar)	14.7 (1)	14.7 (1)

## **COMBUSTION AIR REQUIREMENT**

	50 Hz	60 Hz
Flow at Rated Power scfm (m3/min)	502 (14)	603 (17)

ENGINE			EXHAUST		
	50 Hz	60 Hz		50 Hz	60 Hz
Rated Engine Speed: RPM	1,500	1,800	Exhaust Flow lb/hr (kg/hr)	2,094 (950)	2,782 (1,141)
Horespower at Rated RPM (NG PRP) HP (kW)	308 (230)	362 (270)	Exhaust Temperature (Pre Catalyst) °F (°C)	1,350 (732)	1,350 (732)
BMEP (NG PRP) PSI (kPa)	183 (1,262)	179 (1,234)	BMEP (NG PRP) PSI (kPa)	183 (1,262)	179 (1,234)

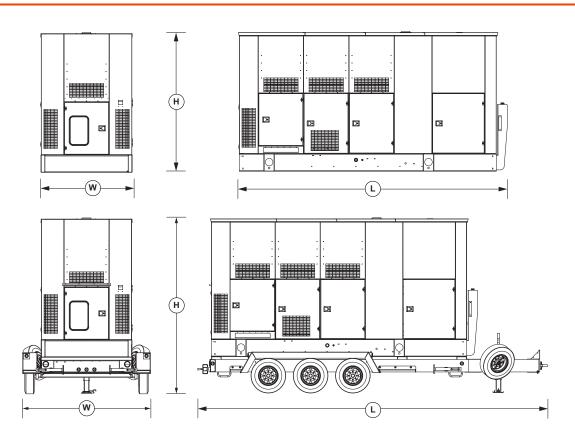
Deration – Operational characteristics consider maximum ambient conditions. Derate factors may apply under atypical site conditions.

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

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## **DIMENSIONS AND WEIGHTS\***



#### STANDARD ENCLOSURE

Skid Mounted		
Operating Weight (Dry / Operating) - Ib (kg)	10,914 (4,950) / 11,291 (5,121)	
L×W×H: in (m)	92×66×92 (4.87×1.67×2.33)	
, ,		
Trailer Mounted		
Operating Weight (Dry / Operating) - Ib (kg)	14,085 (6,388) / 14,462 (6,559)	
L×W×H: in (m)	285×102×122 (7.25×2.59×3.05)	
Noise Level - Prime (NG PRP), 60 Hz	78 dB(A) @ 23 ft (7m)	

\* All measurements are approximate and for estimation purposes only.

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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.