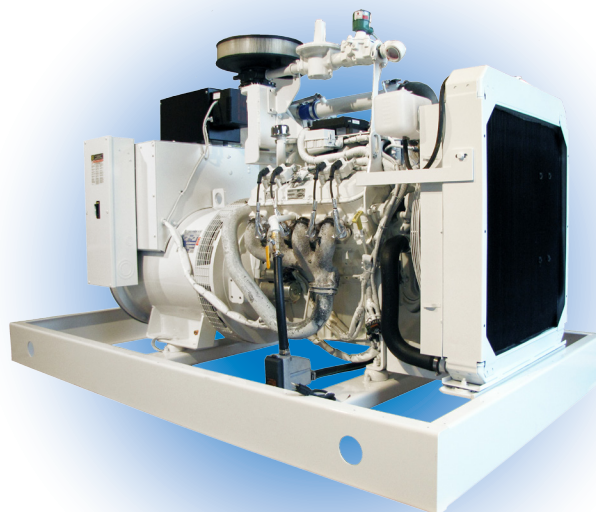


## 125 kW<sub>e</sub> Gaseous Generator Set 208 - 480 Volt

60 Hz / Standby  
**EPA Certified**

### Engine Technical Data:

Manufacturer:	General Motors
Model:	GM8.1LT EPA
Type:	4-Cycle
Aspiration:	Turbo Charged
Cylinder Arrangement:	8 Cyl Vee
Displacement - Cu. In. (lit):	496 (8.10)
Bore - in. (cm) x stroke - in. (cm):	4.25(10.8) x 4.5(11.1)
Compression Ratio:	9.1 : 1
Rated RPM:	1800
Max HP Stby (kW <sub>m</sub> ):	202 (150.6)



Voltage (L-L)	480V	208V	240V	240V
Phase	3	3	3	1
PF	0.8	0.8	0.8	1.0
Hz	60	60	60	60
kW: Nat (LP)	125 (110)	125 (110)	125 (110)	125 (110)
AMPS: Nat (LP)	188 (166)	434 (382)	376 (331)	521 (458)
Generator Model	363CSL1607	363CSL1607	363CSL1607	431CSL6204
Temp Rise	130° C / 27° C	130° C / 27° C	130° C / 27° C	130° C / 27° C
Connection	12 LEAD WYE	12 LEAD WYE	12 LEAD DELTA	12 LEAD ZIG-ZAG

### Engine Features

- Radiator Cooled
- Starter and Alternator
- Oil Pump and Filter
- Electric Isochronous Governor
- EPA Certified
- SAE J1939 Communications
- Three Way Catalyst

### Generator Features

- Brushless Single Bearing
- Automatic Voltage Regulator
  - » Over-excitation Protection
  - » Under-Frequency Compensation
- Available Voltages:
  - » 480/277 3PH 12 wire
  - » 208/120 3PH 12 wire
  - » 240/120 3PH 12 wire
  - » 240/120 1PH 12 wire

### DGC 2020 Controller Features

- Microprocessor based, digital control system
- Unit-mounted
- Engine vitals monitored by LCD display:
  - » Oil Pressure
  - » Running Time
  - » Engine Temperature
  - » Safety Shutdowns:
    - ▲ HWT, OC, OS, OP
  - » Battery Voltage
  - » Generator AC Voltage
  - » AC Amperage
  - » Frequency
  - » Continuous Displays:
    - ▲ Oil pressure
    - ▲ Engine temperature
    - ▲ Battery voltage
    - ▲ Fuel level

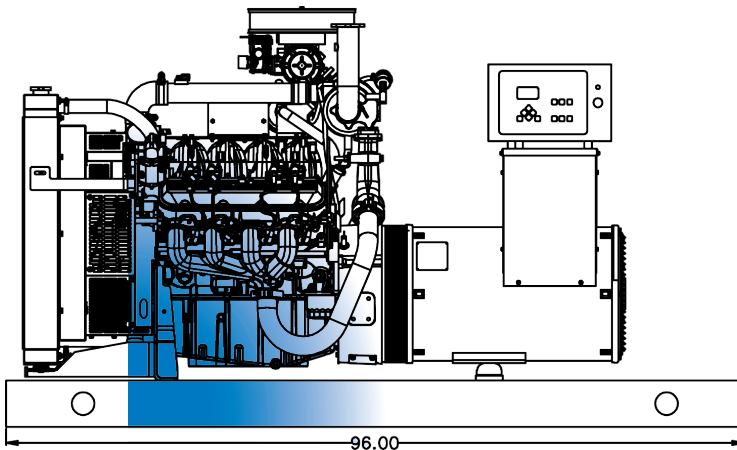
### Additional Standard Features

- Main Circuit Breaker (Mounted and wired)
- Flexible Fuel Connectors
- Battery: 12 volt with rack
- Battery Charger: 12 volt 6 amp
- Vibration Isolation Mounts
- Jacket water heater: -20°F
- Critical Grade Silencer (Mounted)
- Oil Drain valve with extension
- Radiator duct adapter (OPU only)

### Optional Features

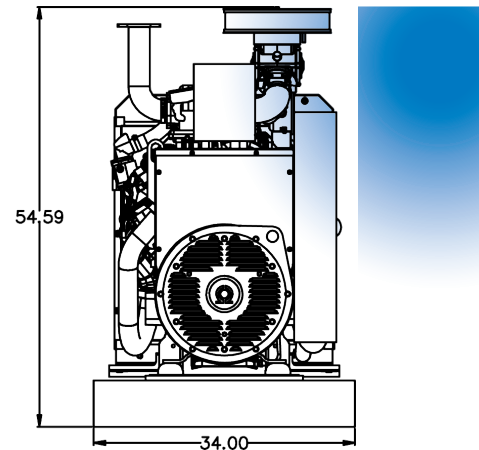
- Weather Protective and/or Sound Attenuated enclosures
- Remote monitoring panels
- PMG Excitation.

# GM125-02



## UNIT DIMENSIONS (OPU less silencer)

Unit Type	Dimensions
OPU	96 x 34 x 54 in
WPE	96 x 54 x 76 in
SAE	136 x 54 x 88 in



## UNIT WEIGHT (OPU less silencer)

Unit Type	Weight: lbs (kg)
OPU	2309 (1047)
WPE	2882 (1307)
SAE	3431 (1556)

Dimensions and weights based on standard 480V open power unit. All dimensions and weights may vary with other voltages. Consult factory for installation drawings and accurate weights for your particular unit.

## SOUND DATA

Unit Type	Standby		Prime	
	NO LOAD	FULL LOAD	NO LOAD	FULL LOAD
OPU w/ Std Critical Silencer	85 dBA	89 dBA	N/A	N/A
WPE	82 dBA	87 dBA	N/A	N/A
SAE	79 dBA	82 dBA	N/A	N/A

## INSTALLATION DATA

	Standby		Prime	
Exhaust System				
Gas Temp. (Stack): °F (°C)	1,483 (804)		N/A	
Gas Volume at Stack Temp: CFM (m³/min)	1,245 (35.3)		N/A	
Maximum Allowable Exhaust Restriction: in. H2O (kPa)	40.8 (10.2)		N/A	
Cooling System				
Ambient Capacity of Radiator: °F (°C)	122 (50)		N/A	
Maximum Allowable Static Pressure on Rad. Exhaust: in. H2O (kPa)	0.5 (0.12)		N/A	
Water Pump Flow Rate: Gpm (lit/min)	40.9 (154.8)		N/A	
Heat Rejection to Coolant: BTUM (kW)	6,260 (109.6)		N/A	
Heat Radiated to Ambient: BTUM (kW)	7,512 (43.96)		N/A	
Air Requirements				
Aspirating: CFM (m³/min)	362 (10.2)		N/A	
Air Flow Required for Rad. Cooled Unit: CFM (m³/min)	14,250 (403)		N/A	
Air Flow Required for Heat Exchanger/Rem. Rad. CFM (m³/min)	Consult Factory For Remote Cooled Applications			
Fuel Consumption	NG	LP	NG	LP
At 100% of Power Rating: ft³/hr (m³/hr)	1,591 (45.0)	628 (18.0)	N/A	N/A
At 75% of Power Rating: ft³/hr (m³/hr)	1,234 (35.0)	487 (14.0)	N/A	N/A
At 50% of Power Rating: ft³/hr (m³/hr)	1087 (31.0)	429 (12.0)	N/A	N/A
Fluids Capacity				
Total Oil System: gal (lit)	2.1 (8.0)		N/A	
Engine Jacket Water Capacity: gal (lit)	3.6 (13.6)		N/A	
System Coolant Capacity: gal (lit)	9.2 (34.8)		N/A	