



Gaseous Product Line

208-600 Volt

GM50-03

60 Hz / 1800 RPM

50 kWe

Standby

Ratings

	240V	208V	240V	480V	600V
Phase	1	3	3	3	3
PF	1.0	0.8	0.8	0.8	0.8
Hz	60	60	60	60	60
Generator Model	361CSL1602	361CSL1601	361CSL1601	361CSL1601	361PSL1633
Connection	12 LEAD ZIG-ZAG	12 LEAD WYE	12 LEAD DELTA	12 LEAD WYE	4 LEAD WYE
Standby					
kWe Nat (LP)	50 (50)	50 (50)	50 (50)	50 (50)	50 (50)
AMPS Nat (LP)	208 (208)	174 (174)	151 (151)	75 (75)	60 (60)
Temp Rise	105°C / 40°C	105°C / 40°C	105°C / 40°C	105°C / 40°C	105°C / 40°C

Standard Equipment

- | | | |
|--|--|---|
| Engine <ul style="list-style-type: none">▶ Radiator Cooled Unit Mounted (50°C)▶ Blower Fan & Fan Drive▶ Starter & Alternator▶ Oil Pump & Filter▶ Oil Drain Extension w/Valve▶ Governor - Electronic Isochronous▶ 12V Battery System & Cables▶ Air Cleaner (Dry Single Stage)▶ Flexible Fuel Connector▶ EPA Certified | Generator <ul style="list-style-type: none">▶ Brushless Single Bearing▶ Automatic Voltage Regulator▶ ± 1% Voltage Regulation▶ 4 Pole, Rotating Field▶ 105°C Standby Temperature Rise▶ 100% of Rated Load - One Step▶ 5% Maximum Harmonic Content▶ NEMA MG 1, IEEE and ANSI Standards Compliance for Temperature Rise | Additional <ul style="list-style-type: none">▶ Microprocessor Based Digital Control▶ Interface Connection Box▶ Control Panel Mounted in NEMA 12 Enclosure▶ Base - Formed Steel▶ Main Line Circuit Breaker Mounted & Wired▶ Critical Grade Silencer Mounted▶ Battery Charger 12V 6 Amp▶ Jacket Water Heater -20°F 1500W 120V w/Isolation Valves▶ Vibration Isolation Mounts▶ Radiator Duct Flange (OPU Only)▶ Single Source Supplier▶ 2YR / 2000HR Standby Warranty▶ Standard Colors - White / Tan / Gray |
|--|--|---|

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50 kWe



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Application Data

Engine			
Manufacturer:	General Motors	Displacement - Cu. In. (lit):	350 (5.70)
Model:	GM 5.7L EPA	Bore - in. (cm) x Stroke - in. (cm):	4.00 (10.2) x 3.50 (8.80)
Type:	4-Cycle	Compression Ratio:	9.40:1
Aspiration:	Natural	Rated RPM:	1800
Cylinder Arrangement:	8 Cylinder Vee	Max HP Stby (kWm):	113 (78.1)

Exhaust System	Standby
Gas Temp. (Stack): °F (°C)	1,350 (732)
Gas Volume at Stack Temp: CFM (m³/min)	553 (15.7)
Maximum Allowable Exhaust Restriction: in. H ₂ O (kPa)	40.8 (10.2)

Cooling System	
Ambient Capacity of Radiator: °F (°C)	122 (50.0)
Maximum Allowable Static Pressure on Rad. Exhaust: in. H ₂ O (kPa)	0.50 (0.12)
Water Pump Flow Rate: GPM (lit/min)	36.6 (139)
Heat Rejection to Coolant: BTUM (kW)	3,120 (54.6)
Heat Rejection to CAC: BTUM (kW)	N/A
Heat Radiated to Ambient: BTUM (kW)	854 (14.9)

Air Requirements	
Aspirating: CFM (m³/min)	173 (4.90)
Air Flow Required for Rad. Cooled Unit: CFM (m³/min)	7,400 (209)
Air Flow Required for Heat Exchanger/Rem. Rad. CFM (m³/min)	Consult Factory For Remote Cooled Applications

Fuel Consumption	Natural Gas	LP
At 100% of Power Rating: ft ³ /hr (m ³ /hr)	734 (20.8)	308 (8.72)
At 75% of Power Rating: ft ³ /hr (m ³ /hr)	614 (17.4)	250 (7.08)
At 50% of Power Rating: ft ³ /hr (m ³ /hr)	482 (13.6)	195 (5.51)
Fuel Inlet Size: NPT		1.00"
Fuel Pressure Required: in. H ₂ O (kPa)	7.00 - 11.0 (1.75 - 2.75)	

Fluids Capacity	
Total Oil System: gal (lit)	1.25 (4.73)
Engine Jacket Water Capacity: gal (lit)	2.03 (7.68)
System Coolant Capacity: gal (lit)	6.00 (22.7)

All calculations based on natural gas fuel.

Deration Factors: Altitude: Derate 3% Per 1,000 ft (305 m) Over 2,000 ft (610 m)

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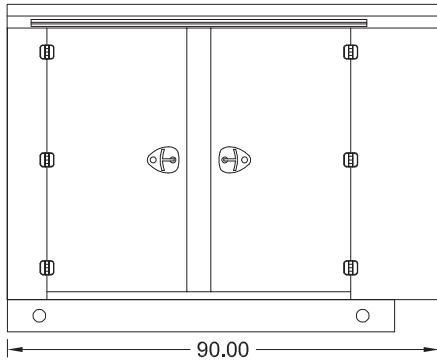
50 kWe



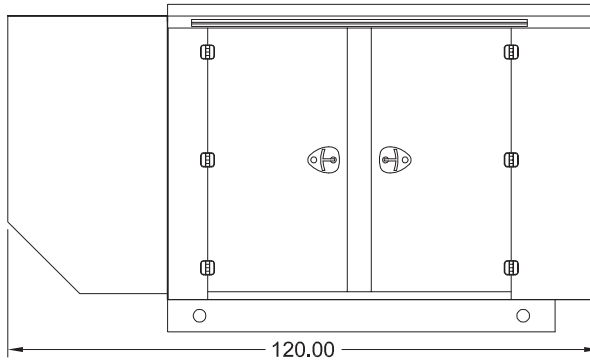
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Enclosures

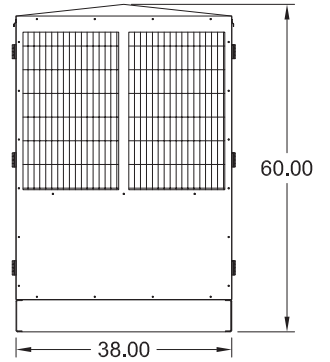
Level 1 & 2 | Side View (Weather Proof)



Level 3 | Side View (Sound Attenuated)



Level 1, 2 & 3 | Intake View



All enclosures are 150 MPH Wind Rated.

Level 2 & 3 enclosures include sound attenuation foam.

Level 3 enclosure includes frontal sound & exhaust hood.

*Enclosure height does not include exhaust stack.

All specification sheet dimensions are represented in inches.
Materials and specifications subject to change without notice.

American Owned



American Made

Distributed By:

Blue Star Power Systems, Inc.

52146 Ember Road

Lake Crystal, Minnesota 56055

Phone + 1 507 726 2508

bluestarps.com

quote.bluestarps.com

sales@bluestarps.com