



## Gaseous Product Line

**208-600 Volt**

**GM40-02P**

**60 Hz / 1800 RPM**

**35 kWe**

**Prime**

## Ratings

	240V	208V	240V	480V	600V
<b>Phase</b>	1	3	3	3	3
<b>PF</b>	1.0	0.8	0.8	0.8	0.8
<b>Hz</b>	60	60	60	60	60
<b>Generator Model</b>	361CSL1600	361CSL1600	361CSL1600	361CSL1600	361PSL1632
<b>Connection</b>	12 LEAD ZIG-ZAG	12 LEAD WYE	12 LEAD DELTA	12 LEAD WYE	4 LEAD WYE
<b>Prime</b>					
<b>kWe Nat (LP)</b>	35 (35)	35 (35)	35 (35)	35 (35)	35 (35)
<b>AMPS Nat (LP)</b>	146 (146)	122 (122)	105 (105)	53 (53)	42 (42)
<b>Temp Rise</b>	105°C / 40°C	105°C / 40°C	105°C / 40°C	105°C / 40°C	105°C / 40°C

## Standard Equipment

- |  |  |  |
|--|--|--|
| <p><b>Engine</b></p> <ul style="list-style-type: none"> <li>▶ Radiator Cooled Unit Mounted (50°C)</li> <li>▶ Blower Fan &amp; Fan Drive</li> <li>▶ Starter &amp; Alternator</li> <li>▶ Oil Pump &amp; Filter</li> <li>▶ Oil Drain Extension w/Valve</li> <li>▶ Governor - Electronic Isochronous</li> <li>▶ 12V Battery System &amp; Cables</li> <li>▶ Air Cleaner (Dry Single Stage)</li> <li>▶ Flexible Fuel Connector</li> <li>▶ EPA Certified</li> </ul> <p><b>Listing Certifications</b></p> <ul style="list-style-type: none"> <li>▶ UL 2200 Listed</li> <li>▶ cUL Listed</li> <li>▶ CSA Certified</li> <li>▶ Seismic Certified to IBC 2012</li> </ul> | <p><b>Generator</b></p> <ul style="list-style-type: none"> <li>▶ Brushless Single Bearing</li> <li>▶ Automatic Voltage Regulator</li> <li>▶ ± 1% Voltage Regulation</li> <li>▶ 4 Pole, Rotating Field</li> <li>▶ 105°C Prime Temperature Rise</li> <li>▶ 100% of Rated Load - One Step</li> <li>▶ 5% Maximum Harmonic Content</li> <li>▶ NEMA MG 1, IEEE and ANSI Standards Compliance for Temperature Rise</li> </ul> | <p><b>Additional</b></p> <ul style="list-style-type: none"> <li>▶ Microprocessor Based Digital Control</li> <li>▶ Interface Connection Box</li> <li>▶ Control Panel Mounted in NEMA 12 Enclosure</li> <li>▶ Base - Formed Steel</li> <li>▶ Main Line Circuit Breaker Mounted &amp; Wired</li> <li>▶ Catalyst Silencer Mounted</li> <li>▶ Battery Charger 12V 6 Amp</li> <li>▶ Jacket Water Heater -20°F 1000W 120V w/Isolation Valves</li> <li>▶ Vibration Isolation Mounts</li> <li>▶ Radiator Duct Flange (OPU Only)</li> <li>▶ Single Source Supplier</li> <li>▶ 1YR / 1500HR Prime Warranty</li> <li>▶ Standard Colors - White / Tan / Gray</li> </ul> |
|--|--|--|

# Gaseous Product Line

35 kWe



**POWERDAK**  
POWER PRODUCTS, LLC

## Application Data

Engine			
Manufacturer:	General Motors	Displacement - Cu. In. (lit):	262 (4.30)
Model:	GM 4.3L EPA	Bore - in. (cm) x Stroke - in. (cm):	4.00 (10.2) x 3.60 (9.10)
Type:	4-Cycle	Compression Ratio:	9.4 : 1
Aspiration:	Natural	Rated RPM:	1800
Cylinder Arrangement:	6 Cylinder Vee	Max HP Stby (kWm):	67.0 (50.0)
Exhaust System		Prime	
Gas Temp. (Stack): °F (°C)			1,350 (732)
Gas Volume at Stack Temp: CFM (m³/min)			289 (8.17)
Maximum Allowable Exhaust Restriction: in. H <sub>2</sub> 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 <sub>2</sub> O (kPa)			0.50 (0.12)
Water Pump Flow Rate: GPM (lit/min)			36.6 (138)
Heat Rejection to Coolant: BTUM (kW)			1,943 (34.0)
Heat Rejection to CAC: BTUM (kW)			N/A
Heat Radiated to Ambient: BTUM (kW)			448 (7.84)
Air Requirements			
Aspirating: CFM (m³/min)			119 (3.37)
Air Flow Required for Rad. Cooled Unit: CFM (m³/min)			5,157 (146)
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 <sup>3</sup> /hr (m <sup>3</sup> /hr)		484 (13.7)	194 (5.48)
At 75% of Power Rating: ft <sup>3</sup> /hr (m <sup>3</sup> /hr)		390 (11.0)	156 (4.41)
At 50% of Power Rating: ft <sup>3</sup> /hr (m <sup>3</sup> /hr)		299 (8.47)	120 (3.40)
Fuel Inlet Size: NPT			1.00"
Fuel Pressure Required: in. H <sub>2</sub> O (kPa)		7.00 - 11.0 (1.75 - 2.75)	
Fluids Capacity			
Total Oil System: gal (lit)			1.40 (5.30)
Engine Jacket Water Capacity: gal (lit)			2.00 (7.60)
System Coolant Capacity: gal (lit)			6.00 (22.7)

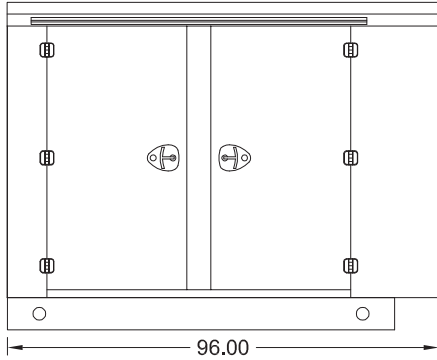
All calculations based on natural gas fuel.

Deration Factors: Temperature: Derate 1% Per 10°F Over 77°F Air Inlet Temperature | Altitude: Derate 3% Per 1,000 ft (305m) Over 1,000 ft (305m)

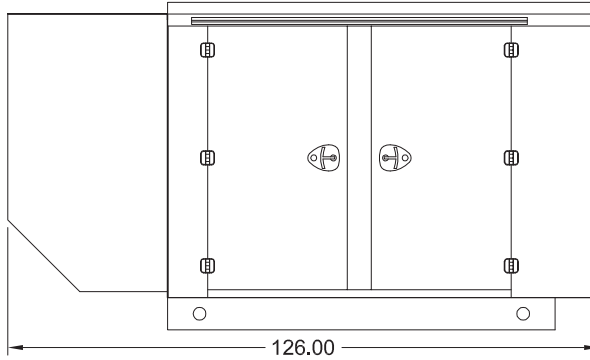


## Enclosures

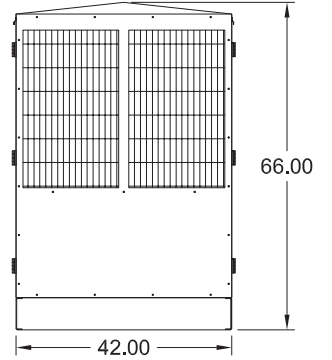
Level 1 & 2 | Side View (Weather Proof)



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

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