

CAVALIER INDUSTRIES LTD.

GASEOUS GENERATORS

Designed for continuous run applications.

Powered by proven GM Vortec based engines.

GIL PRIME GM - Designed for propane and natural gas operation.

Proven fuel and emissions reduction vs. diesel.

Field proven reliability that keeps your operation powered!



Prime Power Design

Prime rated, 24/7 operation gaseous fuel generators.

Designed for portable rental applications - Our commitment is to develop the highest quality equipment in order to provide real world solutions for demanding applications.

We use Industrial PSI engines—they power productivity. But power alone isn't enough. With today's razor-thin profit margins and increasingly volatile fuel prices, companies expect more and more of their engines. We utilize durable, fuel-flexible, emission-conscious engines that don't compromise power or performance.

Model	GIL30PR	GIL44PR	GIL70PR	GIL100PR
Prime Power Rating	31 kVa, 25 kW	44 kVa, 35 kW	69 kVa, 55 kW	100kVa, 80 kW
Natural Gas Fuel Consumption per Hour				
100% Load	0.28 gJ (262.32 ft ³)	0.37 gJ (343.09 ft ³)	0.63 gJ (579.09 ft ³)	0.94 gJ (868.64 ft ³)
50% Load	0.19 gJ (179.76 ft ³)	0.25 gJ (234.65 ft ³)	0.42 gJ (390.11 ft ³)	0.61 gJ (564.70 ft ³)
20% Load	0.15 gJ (137.04 ft ³)	0.19 gJ (174.36 ft ³)	0.31 gJ (287.07 ft ³)	0.41 gJ (382.46 ft ³)
Propane Fuel Consumption Per Hour				
100% Load	10.84 LPH	15.7 LPH	25.28 LPH	33.47 LPH
50% Load	7.45 LPH	10.84 LPH	16.24 LPH	22.40 LPH
20% Load	5.60 LPH	8.02 LPH	9.47 LPH	14.73 LPH
Voltage	120/208 3Ø	120/208 3Ø	120/208 3Ø	120/208 3Ø
Amps (120/208 3Ø)	87 amps	122 amps	191 amps	278 amps

No 755-1001f Units are designed to conform to Canadian Electrical Code



What's under the hood matters

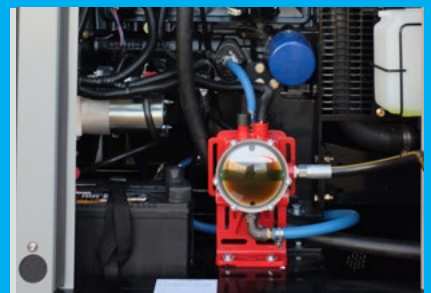
Building power systems requires a focus on utilizing a group of components to deliver maximum uptime by providing reliability and performance. Our systems are designed for tough Canadian conditions and a wide array of applications.



Field Proven PSI Engines.
Based on proven GM engine designs. Modern gaseous fuel delivery system with simple to use external connections for simple and reliable setup and commissioning.



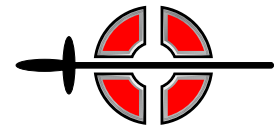
Dynamic on board power distribution systems.
With a wide range of single and three phase plugs and connectors getting power from the generator to your job is that much easier.



Packaged to work. From day 1.
Oil Auto Top Off System, NG/LP Toggle Switch, utilizing modern controls we monitor all engine performance along with power quality - with on screen codes and diagnostic information.

THE DETAILS

25-80 kW Range:



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GEW PRIME GM - Designed for propane and natural gas operation.



A solution that works. Prime power to fuel your operation with gaseous fuels.

Gaseous fuels can offer great advantage - easy access and low energy costs create a real benefit for propane and natural gas power.

The fuel of environmentally friendly operations - gaseous fuels deliver significantly reduced emissions vs diesel engines.

Market pricing on propane and natural gas are extremely competitive - and can create reduced operating costs and provide systems designed for prime 24/7 power.

Load sharing systems are optional - combine multiple units to power systems up to 1 Megawatt.

Propane Engine Range: 25 - 80kW Prime

Natural Gas Engine Range: 25 - 350 kW Prime (See NG Spec Sheet)

Specification	GIL30PR	GIL44PR	GIL70PR	GIL100PR
Engine				
Make	PSI	PSI	PSI	PSI
Model	3.0L Vortec	4.3L Vortec	5.7L Vortec	8.8L Vortec
Total Displacement	3000cc	4300 cc	5700cc	8800
Aspiration	Natural	Natural	Natural	Natural
Speed	1800 RPM	1800	1800 RPM	1800 RPM
Prime Power PRP	31 kVa, 25 kW	44 kVa, 35 kW	69 kVa, 55kW	100 kVa, 80 kW
Lube Oil Capacity	4.1 litres	6.5 litres	6.2 litres	8.5 L
Coolant Capacity	25.7 litres	26.5 litres	26.5 litres	39.2 litres
Alternator				
Make	Marathon	Marathon	Marathon	Marathon
Model	283CSL1517	284CSL1542	361CSL1613	363CSL1617
Regulator	SE350	SE350	SE350	SE350
3Ø Motor Starting @ 30% Voltage Dip	92 kVA	167 kVa	200 kVa	260 kVa
Main Circuit Breaker	125 Amps	175 amps	230 Amps	300 Amps
Power Distribution				
Distribution Panel: (Customized on Request)	-6 x 120v GFCI, 20 Amp Duplex -2 x 125/250v 30 Amp Twist-lock -4 x 125/250v 50 amp cali style	- 6 x 120v GFCI, 20 Amp Duplex - 1 x 125/250v 30 Amp Twist-lock -4 x 125/250v 50 amp cali style -1 x Set of 400amp Rated Cam Lock Plugs (5 Wire)	- 6 x 120v GFCI, 20 Amp Duplex - 1 x 125/250v 30 Amp Twist-lock -4 x 125/250v 50 amp cali style -1 x Set of 400amp Rated Cam Lock Plugs (5 Wire)	- 6 x 120v GFCI, 20 Amp Duplex - 1 x 125/250v 30 Amp Twist-lock -4 x 125/250v 50 amp cali style -1 x Set of 400amp Rated Cam Lock Plugs (5 Wire)
Machine				
Dimensions	107" x 38" x 55"	111" x 39.8" x 63"	111" x 39.8" x 63"	118" x 50" x 65"
Weight	2,975 lbs (w/ Roll)	2,835 lbs (no roll)	2,985 lbs (no roll)	4,850 lbs (no roll)
Options	Central Lifting, PMG, LoadShare	Central Lifting, PMG, LoadShare	Central Lifting, PMG, LoadShare	Central Lifting, PMG, LoadShare

