

CAVALIER INDUSTRIES LTD.

# GASEOUS GENERATORS

Designed for continuous run applications.

## Powered by proven prime rated engines.



ECO POWER

**CIPR Prime** - Designed for propane and natural gas operation.

**Proven fuel cost and emissions reduction vs. diesel.**

Field proven reliability that keeps your operation powered!



### Prime Power Design

Prime rated, 24/7 operation gaseous fuel generators.

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

**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 Zenith 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.

These engines are purpose built for gaseous fuel operation - using both vapor propane or natural gas.

- Continuous duty engine design.
- Engine head components purpose built for dry NG/LP
- Advanced catalytic converter system reduced environmental impact



## 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.

THE DETAILS



### Field Proven Zenith Engines.

Based on proven GM, Mopar, and Hyundai 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.

# Zenith 20kW - 76kW Prime Range



**CIPR Prime - 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.

All units are designed with simplicity in mind - easy access to routine maintenance points - durable sheet metal design with high level of sound attenuation.

Propane Engine Range: 25 - 300kW Prime (Single Engine: Synchronizing Sets up to 32 units)  
 Natural Gas Engine Range: 25 -350 kW Prime (See NG Spec Sheet)

Specification	CIPR-15Z	CIPR-20Z	CIPR-25Z	CIPR-35Z	CIPR-55Z	CIPR-76Z
<b>Engine</b>						
Make	Zenith	Zenith	Zenith	Zenith	Zenith	Zenith
Model	1.6L	1.6L	2.8L	4.4L	5.7L	6.5L
Ignition System	Coil Over	Coil Over	Coil Over	Coil Over	Distributor	Coil Over
Total Displacement	1600cc	1600cc	2800cc	4400cc	5700cc	6500cc
Aspiration	Natural	Natural	Natural	Natural	Natural	Natural
Speed	1800 RPM					
Standby Power Rating	24 kVa, 19 kW	27 kVa, 21.7 kW	38 kVa, 30 kW	50 kVa, 40 kW	85 kVa, 68 kW	107 kVa, 85 kW
Prime Power PRP (LP Gas)	19 kVa, 15 KW	24 kVa, 15 KW	31 kVa, 25 kW	44 kVa, 35 kW	69 kVa, 55kW	95 kVa, 76 kW
Lube Oil Capacity (Std Pan)	3.7 Liters	3.7 Liters	3.8 liters	5.7 liters	6.2 liters	17 Liters
<b>Alternator</b>						
Make	Coliseum	Mecc Alte	Mecc Alte	Mecc Alte	Mecc Alte	Mecc Alte
Model	1CB15-ZPP-MX	ECP28-2L	ECP28-VL	ECP32-2S	ECP32-3L	ECP32-4L/4
Regulator	AVR	DSR	DSR	DSR	DSR	DSR
Main Circuit Breaker	65 Amps	80 Amps	100 amps	125 Amps	225 Amps	300 Amps
<b>Power Distribution</b>						
Standard Distribution Panel:	<ul style="list-style-type: none"> <li>• 4 x 120v GFCI, 20 Amp Duplex</li> <li>• 1 x 125/250v 30 Amp twistlock</li> <li>• 1 x 125/250v 50 amp twistlock</li> <li>• Hard Wire Lugs</li> </ul>	<ul style="list-style-type: none"> <li>• 4 x 120v GFCI, 20 Amp Duplex</li> <li>• 2 x 125/250v 30 Amp twistlock</li> <li>• 2 x 125/250v 50 amp twistlock</li> <li>• 1 x Set of 400amp Rated Cam Lock Plugs (5 Wire)</li> <li>• Hard Wire Lugs</li> </ul>	<ul style="list-style-type: none"> <li>• 6 x 120v GFCI, 20 Amp Duplex</li> <li>• 2 x 125/250v 30 Amp twistlock</li> <li>• 2 x 125/250v 50 amp twistlock</li> <li>• 1 x Set of 400amp Rated Cam Lock Plugs (5 Wire)</li> <li>• Hard Wire Lugs</li> </ul>			
<b>Machine</b>						
Dimensions	59" x 34" x 36"	80.5" x 44" x 50"	80.5" x 44" x 50"	98" x 44" x 63"	98" x 44" x 63"	106" x 44" x 63"
Weight (*Changes by Spec)	2248 lbs	2,458 lbs	2,555 lbs	3544 lbs	3872 lbs	4857 lbs

**Available Options:**

- Synchronizing Controls
- Propane Fired Block Heater
- 600v
- Warning Beacon
- Roll Cage

- Power distribution panel modifications
- Hybrid (Lithium Ion) Battery Pack
- Customized Skid Design
- Auto Level Top Off
- Deep Sump Oil Pans

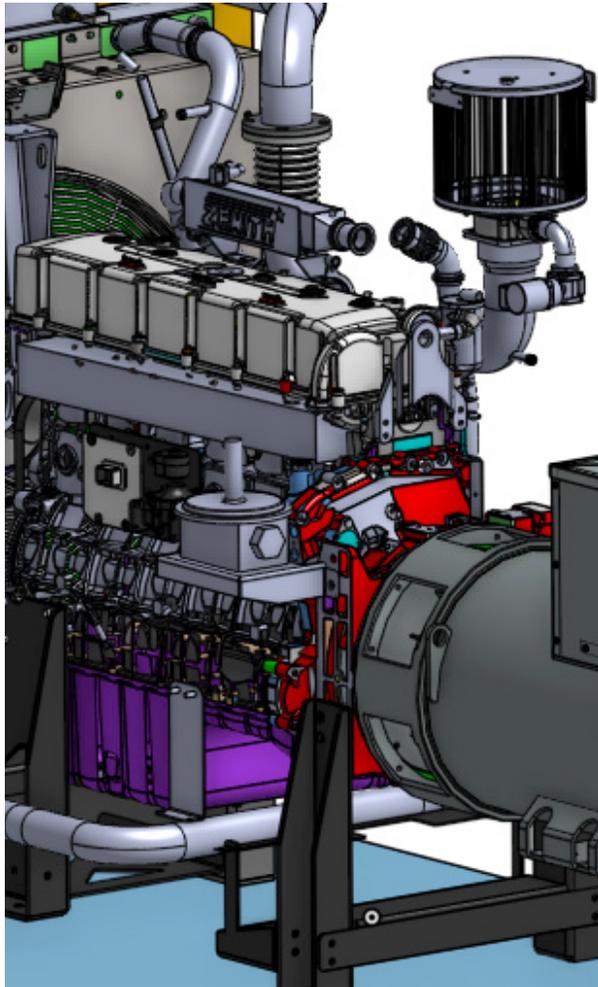


**1-888-483-4843**

# Zenith 100kw to 300 kW Prime Range



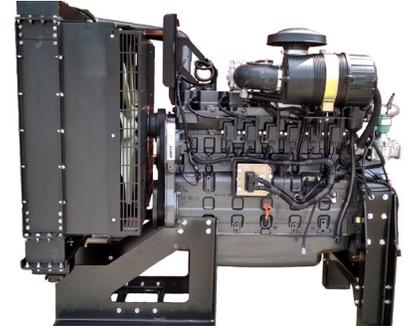
**CIPR Prime** - Designed for propane and natural gas operation.



With the introduction of high thermal efficiency, high horsepower engines there is better opportunity than ever for propane or natural gas engines in prime power applications.

All our engine options are designed to customer application - from multi engine enclosures to synchronizing systems we can engineer and design a unit to your application.

- High Thermal efficiency engine design
- Based on diesel blocks for long term uptime in demanding prime applications.



- Environment Canada and US EPA certified engines

Specification	CIPR-100	CIPR-300
<b>Engine</b>		
Make	Zenith	Zenith
Model	9L	12L
Ignition System	Coil Over	Coil Over
Total Displacement	9,000cc	12,000cc
Aspiration	Natural	Natural
Speed	1800 RPM	
Standby Power Rating	158 kVa, 126 kW	380 kVa, 304 kW
Prime Power PRP (LP Gas)	131 kVa, 105 kW	295 kVa , 235.9 kW
Lube Oil Capacity (Std Pan)	20.8 Liters	45 Liters
<b>Alternator</b>		
Make	Mecc Alte	Mecc Alte
Voltage	Up to 600v	Up to 600v



## Leverage the savings of natural gas and propane for your operation.

Cutting edge technology combined with proven performance to provide industry leading solutions for your power generation requirements.



**Lower operating costs**  
Lower cost of energy vs diesel powered equipment allows for tangible savings during operation.



**Lower emissions**  
What responsible organization isn't concerned with lowering it's current carbon footprint?



**Positioned for the future**  
Natural gas and propane are well positioned for the future.

## DESIGNED FOR YOUR OPERATION



**From remote applications to work in urban construction our equipment is designed to perform.**