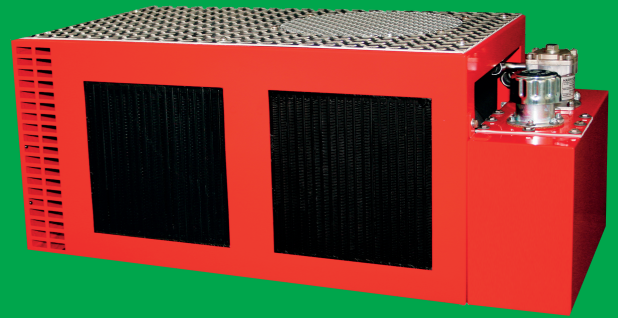




Hydraulic Generators

Designed for the toughest environments
giving the most power in minimal space.



Why Hydraulic?

Maximum power provided out of a smaller footprint than gas powered options, that can be placed out-of-sight out-of-mind on your apparatus. No secondary polluting gas engine is required leaving no additional carbon footprint. Also removing the need for an added inverter removing common failure points seen in the field. Multiple AC voltages available!



Sustainability

Save the planet! Keep the air we breathe clean while keeping your people safe on the job by lowering CO2 emissions without the need for a secondary gas engine.



Reliability

Built to last, even in the toughest environments providing a longer life cycle with less maintenance. Even starts in cold weather or after limited use.



Smaller Footprint

Available in sizes up to 100kW. Approximately 50% smaller in size and 50% less weight when compared to bulky gas generators. They are designed to fit in tight spaces, making it easier to operate without the need for a secondary engine.



GIVE US A CALL



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What is a Hydraulic Generator?

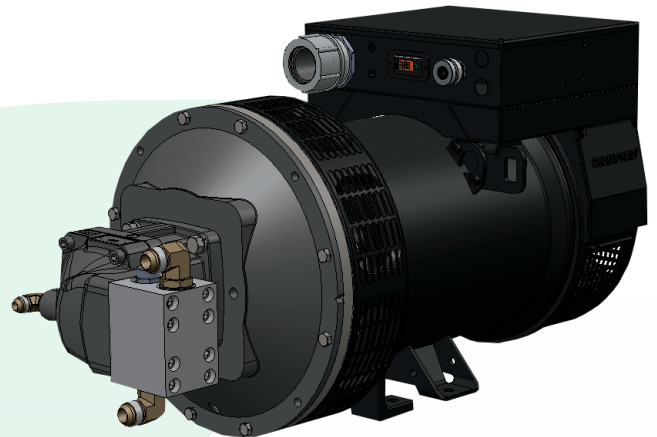
Simply put. The ability to transfer horsepower from the main chassis engine to the AC generator through hydraulics, creating the AC power needed without a secondary gas engine.

Essentially, the hydraulic pump on the PTO is rotated at a constant speed, transferring the main engine's horsepower to a hydraulic motor attached to the AC generator.

And Eureka! AC Power on the fly!

This provides the flexibility of locating the generator remotely and mounting it in multiple locations.

Out-of-sight and Out-of-mind!



Many Configurations to Choose From

At Harrison HydraGen, we offer various configurations to match your exact needs, ranging from a basic motor/alternator assembly to a complete system that includes a manifold, electrical box, electrical connectors, as well as frame components.

We can provide the complete hydraulic circuit, or integrate into your fleet's existing hydraulic system.



Using hydraulic motors, instead of the traditional gas engine, provide a power source that operates at 98% efficiency.



Off-the-shelf or Fully customized

You can choose from our pre-engineered product line, or we can completely customize a hydraulic generator to meet your specifications.

Multiple Voltages Available in 50hz or 60hz, and in 1-phase and 3-phase.

Industries that can benefit from hydraulic generators

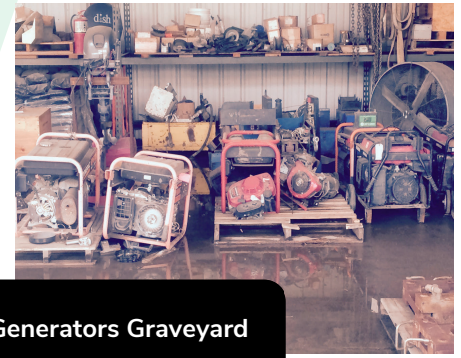
- Mobile Elevated Work Platform
- Public Works
- Construction
- Mining
- Oil & Gas
- Military & Government
- Fire & Rescue
- Railroad
- Marine
- Crane
- Airport Rescue
- De-Icers
- Scrap
- Towing



If you find yourself thinking,

"It's a hassle to switch from gas to hydraulic generators."

Think again. Harrison Hydraulic Generators are less of a hassle for you in the long run. Down-time, additional fuel, on-going maintenance, and theft with gas generators - **now that's a hassle.**



Gas Generators Graveyard

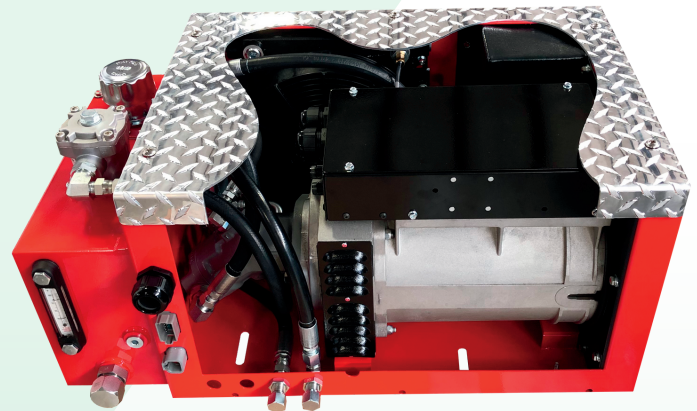


- Costly fuel
- Costly oil changes
- Costly repairs
- Costly downtime

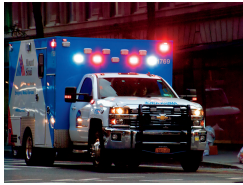
With Harrison's Hydraulic Generators there's no need to hire a team of hydraulic experts. We make it simple and easy to get your fleet equipped.

VS. Gas engines which are **NOT environmentally friendly**

- Gas can go bad in the can or in the tank
- Gas engines must be filled up over and over again, using many gallons of gas over the lifetime
- Gas engines can run out of fuel at critical times
- Gas engines will have a much shorter life span than a hydraulic motor
- Gas engines may not start every time



It's a no brainer



Why use a secondary engine for AC power when you can use the one already running on your apparatus?



Why double the common failure points seen in the field today with gas engines?



Hydraulic generators provide AC power, in the field, using the horsepower from the main chassis engine. Less maintenance and less downtime, making them more suitable for continuous heavy duty applications.

Hydraulic vs Gas generator



		
Virtually Maintenance Free	✓	✗
Smaller footprint providing more power	✓	✗
Durability - heavy duty built	✓	✗
Starts in cold weather	✓	✗
Eco-friendly - no added exhaust	✓	✗
Saves you money - long life cycle	✓	✗
No added carbon footprint	✓	✗
Reliability - even in demanding environments	✓	✗
Virtually theft proof	✓	✗

Choosing a hydraulic generator from Harrison HydraGen over a gas generator is a no brainer. Custom built to last in the most demanding environments, since 1969.



How does a hydraulic generator compare to an inverter?

Heavy-duty trucks like firetrucks often require a lot of power to operate their equipment. Inverters may not be the most efficient solution for these types of vehicles because they **rely on the vehicle's battery and alternator to generate power**, which can quickly drain the battery and potentially damage the charging system.

Switching to an inverter could also lead to lower ISO ratings, and higher insurance rates.

2kW - 40kW



Hydraulic generators, on the other hand, are specifically **designed for heavy-duty applications and can provide high levels of continuous power without relying on the vehicle's battery or alternator.**

They can be a more efficient and reliable solution for vehicles that require a lot of power, such as heavy-duty trucks and firetrucks.

Sure, an inverter may seem like a good idea on paper, but when you're out in the field and your power source fails, you'll wish you had a hydraulic generator.



There's no substitute for a reliable, heavy-duty power source like a hydraulic generator.

Why Harrison?

Quality YES, but it's ALL about the PEOPLE!

Service After the Sale

Since 1969, providing unmatched service beyond the sale! "Not a one-man-show. When you call, we answer."

Inventory Control

"Just in Time" deliveries available. No need for you, the Customer, to stock extra inventory for long lead time components.

Simplified Circuit

Simple is BEST! Focusing on the ease of installation, and the removal of common failure points seen in the field, since 1969.

Flexible Design

We can provide the complete hydraulic circuit, or integrate into your fleet's existing hydraulic system.

Power Integration

Options available to charge our proprietary battery storage solution, or idle mitigation system. We provide POWER when the engine is ON or OFF.



Troy Green
Wireline Truck Fab

"Harrison is the generator of choice for us because of their versatility, ease of install, and most of all the because of the service we receive from the Harrison Hydra-Gen Staff."

Leaders in Mobile Power

since 1969, we have had the "go-to" solutions in mobile power, with the Engine ON or OFF.

Engineering Team Available

Consider us an extension of your Engineering department.

Turn-Key Solution

to simplify installation, framed or modular design available. This is not just an "Off the shelf, take it or leave it" solution

Best Warranty

in the industry. "We get the customer back up and running first, and then worry about who pays for the repair later."

100% Testing

State of the art testing facility where EVERY unit shipped is tested first..



Jeff Thomas
Custom Fire Apparatus

"We've been installing Harrison generators in our fire trucks for over 14 years. With a rock solid line of products and a knowledgeable support team, the value Harrison provides us is second to none."



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**Clean, reliable, mobile *power*
since 1969.**



We are the green alternative.



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