EnPak®

Miller®

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Turn Off Your Truck … Turn On Your EnPak

Revolutionary, fully integrated power systems for work trucks

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The engine in a work truck is designed to move that truck and everything in it, hauling thousands of pounds over thousands of miles with the best balance of power and efficiency. Today's emissions-compliant truck engines are not designed to power welders, jobsite tools, pumps and accessories as efficiently as EnPak power systems.

EnPak systems are productivity-boosting combinations of an air compressor, generator and available hydraulic pump that are powered by a fuel-efficient diesel engine integrated with the truck's fuel supply and battery. EnPak systems give users full jobsite functionality — with the work truck's engine turned off. The result is significant savings on fuel costs and truck maintenance while improving jobsite conditions and extending work truck life.

EnPak systems are a powerhouse combination of:

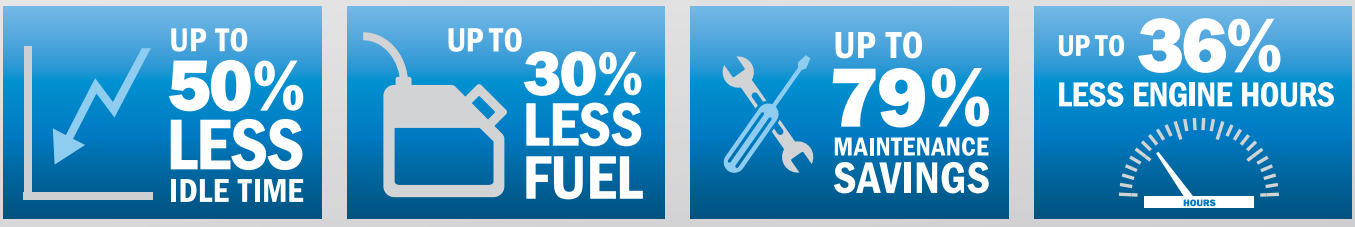
- **Air compressor**
- **Generator**
- **Available hydraulics**
- **EnVerter™ technology**
- **Tier 4 Final compliance**
- **Miller® welding options**

T4F COMPLIANT *T4F-compliant solution*

Using an EnPak system instead of a diesel work truck can greatly reduce the expense of servicing that truck's emissions-control equipment. EnPak systems are powered by a 24.8 hp diesel engine that meets all applicable Tier 4 Final (T4F) regulations mandated by the EPA, producing fewer exhaust emissions and improved output for a wide variety of job requirements.

Performance and Efficiency

The 24.8 hp diesel engine in every EnPak system uses up to 30 percent less fuel than a work truck's engine and costs much less to maintain. EnPak systems include exclusive solutions that monitor user load requirements and adjust the engine speed to match, plus auto start/stop technology and the EnVerter power system — all of which can cut fuel consumption and operating costs.



The results are intended to illustrate the possible fuel savings, maintenance savings, and asset life extension savings using an EnPak system and are based on user input. They do not constitute a proposal or a guarantee.

EnPak Air: A New Choice to Match the Way You Work

For jobsites that depend on generator and pneumatic capabilities — but don't need hydraulic support — EnPak Air is an ideal solution. Driven by the same powerful diesel engine and using the same generator and air compressor as the standard EnPak system, EnPak Air efficiently drives high-demand electrical devices and air tools without the added expense of a hydraulic pump … giving work truck operators one more way to get the job done right.

NEW

Exclusive Fuel-Saving Technology

Exclusive EnPak® design reduces fuel use for significant cost savings — while delivering the performance that users demand — resulting in maximum productivity.

- **Load-management system** monitors accessory requirements and precisely adjusts the engine's speed to match demand, delivering only the amount of power required. This maximizes fuel savings while allowing for simultaneous operation of the generator, compressor and hydraulics — and provides the additional benefit of jobsite noise reduction for a safer work environment.
- **Auto start/stop technology** shuts off the engine when no accessory loads are detected, increasing fuel savings as well as reducing jobsite noise and exhaust emissions. When a load is applied, the engine starts quickly, supplying the power necessary to perform the job.
- **EnVerter™ technology** delivers up to 2,400 watts of continuous 120 V, 60 Hz, pure sine wave power at low engine speeds, providing power for many tools and lights while reducing fuel consumption and helping decrease jobsite noise.

60 cfm air compressor

EnPak systems' rotary-screw air compressor can drive a wide variety of tools; its high airflow capacity can easily power 1-inch impact wrenches and pneumatic pumps — all while minimizing fuel use.

- **Supports multiple field applications** ranging from processes like tire service to demanding jobs like carbon arc gouging.
- **Air-on-demand delivery system** eliminates the lag time common with reservoir systems, instantly engaging the compressor in response to loads and quickly delivering the required air pressure.

20 gpm hydraulic pump

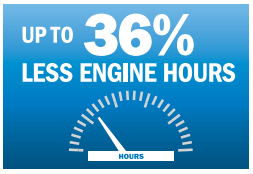
The Eaton variable-displacement piston hydraulic pump (not included with EnPak Air) seamlessly integrates fuel-saving strategies with precise, high-performance operation. The result is lower fuel costs and well-regulated hydraulic fluid flow for smooth, reliable and precise crane operation. A low-speed lock function further enhances control, minimizing hydraulic flow for maximum precision in crane operation.

6,000-watt generator

The EnPak system's generator helps save fuel and reduce operating costs with EnVerter technology. The low-maintenance generator minimizes downtime with a direct-drive, brushless design, which eliminates the need to replace belts and brushes, while producing up to 6,000 watts of continuous 120/240 V, 60 Hz power for high demand applications, including welders.

Extend Work Truck Life

Turning off a work truck and turning on an EnPak system can help a work truck last longer. Using EnPak for jobsite functions instead of a work truck's PTO can reduce the truck's engine idle time by up to 50 percent, extending the life of its drivetrain.



Spend Less On Maintenance

Work truck maintenance can't be ignored — but its frequency can be reduced. Turning off a work truck and turning on an EnPak system can save owners money in several ways. EnPak systems:

- Have lower preventive maintenance costs
- Don't require diesel exhaust fluid
- Have no diesel particulate filter to clean or replace

More Capabilities, Less Noise

On a busy jobsite, noise reduction can help improve the overall working environment and even make the jobsite a safer place to be. A specially designed enclosure reduces EnPak systems' sound output by up to 10 dB compared to a PTO system that's running all the time, regardless of the tools in use. With auto start/stop technology, EnPak systems only produce sound when they're in operation.

Powerful, Portable Welder Solutions

As the world's leading manufacturer of arc welding and cutting equipment, Miller produces a full line of high-quality, multiprocess welders capable of MIG, TIG and stick operations as well as arc gouging. EnPak® systems can power several of these superior-performing welders with their 6,000-watt generator.

The Miller® Maxstar® 200 STR and Miller Multimatic™ 200 welders provide EnPak users with superior arc characteristics for strong, quality welds. These powerful, portable welding solutions come in packages that weigh less than 50 pounds — so operators can benefit from a work truck that can carry more, weighs less and is equipped with easier-to-handle, easier-to-move equipment.

See page 7 for versatile Miller welder options that are EnPak system-compatible.

Productivity-Maximizing Features and Benefits

Truck integration

One EnPak system replaces both an air compressor and an engine-driven welder/generator, saving space on trucks and maximizing payloads.

- **Load-space mount**

  Compact exterior dimensions minimize EnPak's footprint and its impact on available payload.

- **Side-pack mount**

  Frees up almost 3 feet of truck bed space, providing the option to choose an 11-foot truck body instead of a 14-foot model.

Crane remote

EnPak systems crane remote* gives full pendant control, improving operator mobility. Its platform is fully compatible with other manufacturers' wireless and tethered remotes, making it easy for operators to use.

EnPak remote panel

The remote panel monitors and displays engine and air compressor status, offering full functionality. Operator-friendly design saves time and maximizes efficient operation.

EnPak service panel

The service panel overrides the remote panel and crane remotes,* allowing unit operation even if remotes are disabled.

*Hydraulic-equipped systems only.

Specifications

Machine Specs	Weight	Dimensions
EnPak®	832 lb. (373 kg)	30 in. high x 21 in. wide x 47 in. deep (762 mm x 533 mm x 1,194 mm)
EnPak Air	786 lb. (356 kg)	

Air Compressor Variable-speed rotary-screw	Features	Ratings	Duty Cycle	Automatic Compressor Shutdowns
	• Oil cooled • Built-in check valve • Air compressor hour meter • Clutch-controlled automatic shutdowns	• 120 – 175 psi pressure range • 58 scfm at 100 psi at 3,600 rpm • 60 cfm max flow	100%	• Oil temperature • Air pressure (over pressure)

Hydraulic Pump *(Not included with EnPak Air)*	Maximum Pressure	Maximum Flow Rate	Rated Output	Control
• Eaton variable-displacement piston • Pressure and flow compensated • High-load tapered roller bearings	3,500 psi	• 20 gpm closed center • 15 gpm open center	• Up to 8.0 gpm at 3,000 psi at 3,200 rpm • 50% duty cycle	Power-managed load control using variable flow rate

Engine	Horsepower	Type	Engine Speeds	Automatic Engine Shutdowns
• Kubota electronic governor • Multi-speed 60 A, 12 V alternator • Electric hour meter • Electric fuel pump • Automatic shutdowns	24.8 at 3,600 rpm	• Diesel • EPA Tier 4 Final compliant	• 1,800 rpm (idle) • 2,600 rpm • 3,200 rpm • 3,600 rpm	• Coolant temperature • Oil pressure • Over speed

Generator/EnVerter™ 6,000 watts at 3,600 rpm, continuous	Benefits	EnVerter (Synthetic Power)
	• 120/240 V, single phase, brushless generator • Breaker protected	• 2,400 watts at 2,600 – 3,600 rpm, continuous • 300 watts at 1,800 rpm (idle), continuous • 120 V, single phase, pure sine wave • Overload and breaker protected

Welders

Stick/TIG welding
Miller Maxstar 200 STR

- 1 to 200 amps
- Stick electrode sizes 1/16 in. – 3/16 in. diameter
- Carbon arc size 5/32 in. max.

Weight: 32 lb. (14.5 kg)

Dimensions: 13.5 in. high x 7.5 in. wide x 17.5 in. deep (342.9 mm x 190.5 mm x 444.5 mm)

Stock #: 907 036 001

IMPORTANT: *Be sure to enter the complete nine-digit stock number when ordering to ensure you receive the correct Maxstar model.*

Multiprocess (Stick/TIG/MIG) welding
Miller Multimatic 200

- Portable, all-in-one multiprocess package features excellent arc characteristics
- Stick electrode sizes 3/32 in. – 1/8 in. diameter
- MIG welds 24 ga., 3/8 in. mild steel and 18 ga. 1/4 in. aluminum
- TIG welds .020 – 3/16 in. mild steel

Weight: 29 lb. (13.2 kg)

Dimensions: 14.5 in. high x 9.75 in. wide x 17 in. deep (368 mm x 248 mm x 432 mm)

Stock #: 907 518

IMPORTANT: *When used with an EnPak power system, it's recommended that the Multimatic 200 be powered by the 240 V receptacle.*

Accessories

EnPak Hydraulic Tool Control (HTC) with heat exchanger**

- Provides significant fuel savings by delivering hydraulic flow at the lowest engine speed
- Powers a crane and one 5- or 8-gpm hydraulic tool — or any two 5-gpm hydraulic tools — simultaneously
- Drives 5, 8, 10 and 5+5 gpm hydraulic tools*
- Reduces noise by idling down when a hydraulic tool isn't being used

Stock #: 300 737

**Meets HTMA Class 1, 2 and RR specifications*

Desiccant air dryer system

A regenerating inline air dryer system that virtually eliminates moisture in the airstream to prevent tool freeze-ups in cold climates.

Stock #: 300 690

Hydraulic reservoir**

- 20-gallon (75.7 L) capacity
- 30 mesh filler-breather cap with 3 psi relief
- In-tank return-line filter (3 micron) ISO 18/16/13 cleanliness rating, 25 psi bypass setting
- Sight glass

Weight: 82 lb. (37.2 kg) dry, 223 lb. (101.2 kg) with hydraulic fluids

Stock #: 300 550

***Not for use with EnPak Air.*

See your local authorized Miller distributor or MillerWelds.com for more information.

Any Truck. Any Job. Miller.

Work truck solutions from the industry leader

It's a serious claim, and Miller means serious business. We get work trucks ready to support welding, cutting or gouging jobs of all sizes — and we get those trucks ready to operate a wide range of equipment with electric power, compressed air and hydraulics. Miller will equip multipurpose vehicles, like mobile repair trucks and service trucks. Miller will outfit specialized vehicles too, like lube trucks and crane trucks. For maximum performance and maximum versatility, Miller has the right equipment for your truck to get the job done.

MillerWelds.com/enpak

Miller®

The Power of Blue®