EnPak®
Turn Off Your Truck ... Turn On Your EnPak

A revolutionary, fully integrated power system for work trucks
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 the EnPak.

EnPak is a productivity-boosting combination of an air compressor, hydraulic pump and generator that’s powered by a fuel-efficient diesel engine integrated with the truck’s fuel supply and battery. EnPak gives 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® is a powerhouse combination of:**
- Air compressor
- Hydraulics
- Generator
- EnVerter™ technology
- Tier 4 Final compliance
- Miller® welding options

*Using EnPak instead of a diesel work truck can greatly reduce the expense of servicing that truck’s emissions-control equipment. EnPak’s 24.8 hp diesel engine 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

EnPak’s 24.8 hp diesel engine uses up to 30 percent less fuel than a work truck’s engine and costs much less to maintain. EnPak includes exclusive systems 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 EnPak and are based on user input. They do not constitute a proposal or a guarantee.
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’s 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 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**
EnPak’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 EnPak 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 EnPak can save owners money in several ways. EnPak:

- Has lower preventive maintenance costs
- Does not require diesel exhaust fluid
- Has 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. EnPak’s specially designed enclosure reduces 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 only produces sound when it's 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® can power several of these superior-performing welders with its 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-compatible.

Productivity-Maximizing Features and Benefits

**Truck integration**
One EnPak 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’s 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**
EnPak’s remote panel monitors and displays engine and air compressor status, offering full functionality. Operator-friendly design saves time and maximizes efficient operation.

**Service panel**
EnPak’s service panel overrides the remote panel and crane remotes, allowing unit operation even if remotes are disabled.
### Specifications

<table>
<thead>
<tr>
<th>EnPak®</th>
<th>Weight</th>
<th>Dimensions</th>
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<tbody>
<tr>
<td></td>
<td>832 lb. (373 kg)</td>
<td>30 in. high x 21 in. wide x 47 in. deep (762 mm x 533 mm x 1,194 mm)</td>
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<table>
<thead>
<tr>
<th>Air Compressor</th>
<th>Features</th>
<th>Ratings</th>
<th>Duty Cycle</th>
<th>Automatic Compressor Shutdowns</th>
</tr>
</thead>
<tbody>
<tr>
<td>Variable-speed rotary-screw</td>
<td>• Oil cooled</td>
<td>• 120 – 175 psi pressure range</td>
<td>100%</td>
<td>• Oil temperature</td>
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<tr>
<td></td>
<td>• Built-in check valve</td>
<td>• 58 scfm at 100 psi at 3,600 rpm</td>
<td></td>
<td>• Air pressure (over pressure)</td>
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<tr>
<td></td>
<td>• Air compressor hour meter</td>
<td>• 60 cfm max flow</td>
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<td></td>
<td>• Clutch-controlled automatic shutdowns</td>
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<thead>
<tr>
<th>Hydraulic Pump</th>
<th>Maximum Pressure</th>
<th>Maximum Flow Rate</th>
<th>Rated Output</th>
<th>Control</th>
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</thead>
<tbody>
<tr>
<td>• Eaton variable-displacement piston</td>
<td>3,500 psi</td>
<td>• 20 gpm closed center</td>
<td>• Up to 8.0 gpm at 3,000 psi at 3,200 rpm</td>
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</tr>
<tr>
<td>• Pressure and flow compensated</td>
<td></td>
<td>• 15 gpm open center</td>
<td>• 50% duty cycle</td>
<td>Power-managed load control using variable flow rate</td>
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<tr>
<td>• High-load tapered roller bearings</td>
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<thead>
<tr>
<th>Engine</th>
<th>Horsepower</th>
<th>Type</th>
<th>Engine Speeds</th>
<th>Automatic Engine Shutdowns</th>
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<tbody>
<tr>
<td>• Kubota electronic governor</td>
<td>24.8 at 3,600 rpm</td>
<td>Diesel</td>
<td>• 1,800 rpm (idle)</td>
<td>• Coolant temperature</td>
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<tr>
<td>• Multi-speed 60 A, 12 V alternator</td>
<td></td>
<td></td>
<td>• 2,600 rpm</td>
<td>• Oil pressure</td>
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<td></td>
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<td></td>
<td>• 3,200 rpm</td>
<td>• Over speed</td>
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<tr>
<td>• Electric hour meter</td>
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<td></td>
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<tr>
<td>• Electric fuel pump</td>
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<tr>
<th>Generator/EnVerter™</th>
<th>Benefits</th>
<th>EnVerter (Synthetic Power)</th>
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<tbody>
<tr>
<td>6,000 watts at 3,600 rpm, continuous</td>
<td>• 120/240 V, single phase, brushless generator</td>
<td>• 2,400 watts at 2,600 – 3,600 rpm, continuous</td>
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<td></td>
<td>• Breaker protected</td>
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### 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 the EnPak®, 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 MTMA 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 filter 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**

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.