



# Thaintainer

**EnPak**<sup>TM</sup>  
Miller



# features

## TURN OFF YOUR TRUCK...TURN ON YOUR ENPAK™

Maintainer now offers the revolutionary new EnPak™ Mechanic Series - a fully-integrated diesel engine/air compressor/hydraulic pump/generator unit designed for the crane body mechanic's truck. Unlike other crane body truck systems, EnPak retains full functionality with the truck engine turned off. This revolutionary power source is integrated into the truck's electrical and fuel systems to ease serviceability.



### Shared Fuel Supply

Industrial 27 - HP Kubota diesel engine shares the truck's fuel supply—only one tank to fill.

### Shared Battery

Uses truck's 12V battery eliminating need for second battery. Supplies 12 volts of power and a 60 amp charge to the onboard truck battery.

### Crane Hydraulics

Eaton variable displacement piston pump. 8.5 gpm at 3000 PSI. Max gpm = 20

### Compressed Air

Air Pak™ 40 variable speed rotary screw air compressor. 40 CFM at 100 PSI. Max PSI = 175

### Electric Power

6000-watt, 120/240 volt, brushless, single-phase Miller generator. Optional EnVerter™ provides up to 2400 watts of 120 VAC at all engine speeds.



### Crane Remote

Uses Maintainer's crane remote, tethered or wireless as is, no need to change remote or retrain the operator.



### EnPak Remote Panel

Monitors and displays engine and air compressor status.

## Mounting Options

### Deck Mount



### Sidepack Mount



Integrated Lifting eye simplifies installation.  
Weight dimensions:  
955 lbs (433 kg)  
30" high x 21" wide x 47" deep  
(762 mm x 533 mm x 1194 mm)



## Welding Options



### Miller Maxstar® 150 S

13.2 lb (6 kg)  
9" h x 5.5" w x 13.25" d  
70 A at 22.8 V,  
100% Duty Cycle



### Miller Maxstar® 200 STR

32 lb (14.5 kg)  
13.5" h x 7.5" w x 17.5" d  
Ratings Stick: 150 A at 26 V,  
60% Duty Cycle  
Ratings TIG: 175 A at 17 V,  
60% Duty Cycle



### Miller Millermatic® Passport® Plus

45 lb (20.4 kg)  
15.5" h x 12" w x 20.5" d  
(393.7 mm x 304.8 mm x 520.7 mm)  
115 V Ratings: 115 A at 19.5 V, 20% Duty Cycle  
230 V Ratings: 150 A at 21.5 V, 20% Duty Cycle

# specifications

## Air Compressor

Type	Features	Ratings	Duty Cycle	Automatic Compressor Shutdowns
Air Pak™ 40 Variable Speed Rotary Screw	Oil Cooled Built-In Check Valve Air Compressor Hour Meter Automatic Shutdowns	90-175 PSI Pressure Range 40 SCFM at 100 PSI at 3600 RPM 35 SCFM at 100 PSI at 3200 RPM 28 SCFM at 100 PSI at 2600 RPM 18 SCFM at 100 PSI at 1800 RPM	100%	Oil Temperature Air Pressure (Over Pressure)

## Hydraulic Pump

Features	Maximum Pressure	Maximum Flow Rate	Related Output	Control
Eaton Variable Displacement Piston Pressure and Flow Compensated High Load, Tapered Roller Bearings	3000 PSI	20 GPM	8.5 GPM at 3000 PSI at 3200 RPM 50% Duty Cycle* <small>*dependent on hydraulic cooling system</small>	Power managed load control using variable flow rate

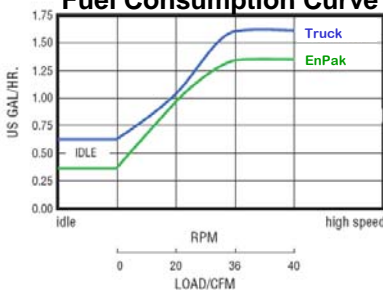
## Engine

Features	HP	Type	Engine Speeds	Automatic Engine Shutdowns
Kubota with Electronic Governor Multi-Speed 60A, 12 V Alternator Engine Hour Meter Electric Fuel Pump Automatic Shutdowns	27.7 HP/3600 RPM	Diesel EPA Tier 4 compliant	1800 RPM—idle 2600 RPM 3200 RPM 3600 RPM	Oil Temperature Oil Pressure Over Speed

## Generator / EnVerter™

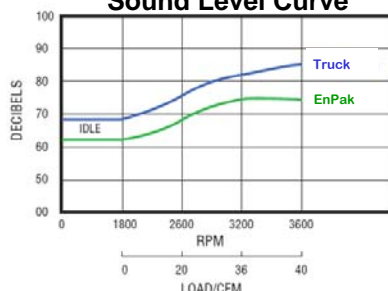
Output	Benefits	EnVerter™ (Synthetic Power, optional)
6000 watts at 3600 RPM, continuous	120/240 volt Single phase; brushless generator Breaker protected	2400 watts at 2600-3600 RPM, continuous 400 watts at 1800 RPM (idle), continuous 120 volt, single phase, Pure Sine Wave Overload and breaker protected

### Fuel Consumption Curve



EnPak is 21–32% more fuel efficient than a traditional truck with a hydraulic driven air compressor (0.14 to 0.54 gal/hr).

### Sound Level Curve



EnPak is 3–7 dB quieter than a traditional truck with a reciprocating compressor.  
EnPak is 4–9 dB quieter than a traditional truck with a screw compressor.

### EnPak provides benefits competitive products do not offer:

- **Efficiency-** Lowers fuel use up to 30%
- **Economy-** Up to 60% truck engine hour reduction extends life of drive train
- **Quiet-** Up to 10 dB less noise than a typical PTO system
- **Comfort-** Directs exhaust up and away from the work area
- **Capacity-** Provides more room in the truck & extra payload
- **Reliability-** Engineered and designed by Miller, with components from Miller, Kubota and Eaton



[www.maintainer.com](http://www.maintainer.com)

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