ENPAK® POWER SYSTEMS

Know Your Terminology

TERMINOLOGY

INDUSTRY

cfm – Cubic feet per minute: A measure of air volume delivered by the air compressor.

Duty cycle – The percentage of available time that a machine or component can operate before cool down is required in a 10 minute period. A device with a 100% duty cycle can operate continuously with no cool-down time needed.

GFCI – Ground fault circuit interrupter. Fast-acting circuit breaker designed to shut off receptacle power in the event of a ground fault.

gpm – Gallons per minute: A measure of fluid volume delivered by the hydraulic pump.

Hydraulic system

Open center systems: Control valves are placed in series; one valve is operated at a time. A typical A60GBH or A60GBHW application is a crane truck. (Our most common configuration for modern hydraulic systems.) The open center system is standard on the EnPak A60GBH and A60GBHW.

Closed center system: Control valves are placed in parallel; all valves work independently. Used with multiple subsystems with closed center control valves. A typical EnPak A60 application (with closed center conversion kit) is a lube truck.

WELDING

Arc control – Allows adjustment of weld arc from soft to stiff. Adjusts dig when process control is in stick mode and adjusts inductance when process control is in flux-cored or MIG modes. The amount of dig determines how much the amperage (heat) varies with stick arc length. Inductance determines the "wetness" of the weld puddle.

MIG (Metal Inert Gas) – Coiled wire is fed through a gun; the wire is both the electrode and the filler metal. Shielding gas is needed unless self-shielded flux-cored wire is used. Fast and versatile.

Stick – Uses flux-coated welding rods as the electrode and the filler metal; no shielding gas needed. Good for welding outdoors and with rusty/dirty material.

TIG (Tungsten Inert Gas) – Uses a nonconsumable tungsten electrode and a separate filler metal rod. Argon shielding gas is needed. Precise; can produce aesthetically pleasing welds.

ENPAK® TECHNOLOGIES AND CAPABILITIES

Auto-Speed™ technology – Automatically adjusts engine speed to match compressed air, battery charge and weld demands — reducing fuel consumption, maintenance costs and noise for a safer, more efficient jobsite.

Auto Start/Stop – Automatically turns the EnPak engine on and off based on demand, reducing fuel consumption and noise.

Battery charge – Up to 100 amps of DC power to charge 12/24V batteries.

CAN bus (SAE J1939) connectivity – Allows communication with a telematics system so customers can monitor engine data, machine loads and usage, which helps them to track service intervals, proactively schedule maintenance and improve diagnostics.

Chassis Power – Monitors the truck battery and automatically charges it so operators can run inverters and 12-volt tools. No need to stop working to start the truck and charge its battery or worry about draining the battery and being stranded.

Crank assist – DC power to jump-start vehicles that use 12/24V systems.

Power Priority – Enables operators to maximize available power by prioritizing the air compressor or hydraulic system based on what's important for optimal tool performance. A60

Rotary screw air compressor – Uses two meshing rotors to compress air, rather than a reciprocating piston. Quickly delivers airflow at 100% duty cycle and with high reliability.

Turbocharged diesel engine – Delivers high torque at lower speeds for optimal performance in every environment — even at high elevations. A60

Visit **MillerWelds.com/EnPakExtranet** to learn more about EnPak power systems and what benefit they can provide for their customer.

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Everything You Need to Know About EnPak® Power Systems

Help Your Customers Find the Right Solution

EnPak power systems reduce operating costs, extend work truck life, improve jobsite conditions and add capabilities. See the chart below to help find the right EnPak solution for your customers.

	ENPAK® POWER SYSTEMS CAPABILITIES				
Customer Need	**EnPak® A30GBW**		**EnPak® A60GB/GBH/GBHW**		
Hydraulic pump	N/A		**A60GB** N/A	**A60GBH** variable-displacement; up to 8 gpm at 3,000 psi; 50% duty cycle 20 gpm max flow (closed center system) 15 gpm max flow (open center system)	**A60GBHW** N/A
Compressed air	30 cfm @ 175 psi 100% duty cycle Rotary screw design		60 cfm @ 175 psi 100% duty cycle Rotary screw design		
Generator power (watts)	6,500 continuous		6,000 continuous		
Weld output range (A)	30-210 MIG, stick, DC TIG 210A @ 3,600 rpm 120A @ 2,400 rpm (idle)		N/A	N/A	**A60GBHW** MIG, stick, DC TIG and gouging 325A @ 100% duty cycle
Battery charge	Up to 100 amps DC (12/24V)		Up to 150 amps DC (12/14V)		
Crank assist	Up to 300 amps DC (12/24V)		Up to 300 ams DC (12/24V)		
Load management	Auto-Speed™ technology		Auto-Speed™ technology, Power Priority		
Auto Start/Stop	Yes		Yes		
CAN bus connectivity	SAE J1939		SAE J1939		
Truck class	3-5		5-7		
Controls	User interface		User interface		
User interface dimensions, in. (W x H x D)	16.2 x 5.5 x 3.2		10.3 x 8.9 x 2.5		
User interface dimensions, cm (W x H x D)	41.1 x 14 x 8.1		26.2. x 22.6 x 6.4		
Additional interfaces	Weld box (optional), battery charge box (included), aux. power box (optional)		Weld box (included on A60GBHW), battery charge box (included), aux. power box (optional)		
Fuel type	Gasoline	Diesel	Diesel		
Weight	530 lbs. (240 kg)	624 lbs. (283 kg)	**A60GB** 641 lbs. (290.8 kg)	**A60GBH** 737 lbs. (334.3 kg)	**A60GBHW** 740 lbs. (335.7 kg)
Dimensions, in. (W x H x D)	20 x 28 x 47		21 x 27 x 46		
Dimensions, cm. (W x H x D)	50.8 x 71.1 x 119.4		53.3 x 68.6 x 116.8		

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