

EnPak® A60 Series

Issued May 2021 • Index No. ED/16.0

**Diesel Engine-Driven
Air Compressor/Generator/
Battery Charger/Crank Assist/
Hydraulic Pump/Welder**



Quick Specs

Processes*

DC stick (SMAW)
MIG (GMAW)**
Aluminum MIG (GMAW)**
Flux-cored (FCAW)**
DC TIG (GTAW)
Air carbon arc (CAC-A)
1/4-inch (6.35 mm) carbons

Air Compressor

58 cfm at 100 psi,
60 cfm max.,
100% duty cycle

Generator Power

7,000 watts continuous

Battery Charge 12/24 V, 150 A

Crank Assist 12/24 V, 300 A

Hydraulic Pump (A60GBH and A60GBHW models)

8 gpm at 3,000 psi, 16 gpm max. flow

Output Range

DC stick: 30–325 A
DC TIG: 20–325 A
MIG/flux-cored: 15–40 V

**A60GBHW model only. **With wire feeder.*

The new EnPak A60 includes more capabilities in a small footprint, with 325 amps of integrated multiprocess welding output (A60GBHW model), battery charge/crank assist and more. This all-in-one is designed with industry-leading technologies to help you get more work done, reduce engine hours on your truck and maximize the return on your investment.



User interface panel



Battery charge/crank assist panel



Weld output panel
A60GBHW model only



Auxiliary power remote panel
Installation option on all models



Welder/generator/air compressor/hydraulic pump/battery charger is warranted for three years, parts and labor.
Engine is warranted separately by the engine manufacturer.



Miller Electric Mfg. LLC
An ITW Welding Company
1635 West Spencer Street
P.O. Box 1079
Appleton, WI 54912-1079 USA

Equipment Sales US and Canada
Phone: 866-931-9730
FAX: 800-637-2315
International Phone: 920-735-4554
International FAX: 920-735-4125

MillerWelds.com
f t y i n



EnPak® A60 Series Models



The EnPak A60 is available in three configurations:

EnPak A60GB*

- Air compressor
- Generator
- Battery charge/crank assist
- Chassis power

Comes standard with user interface panel and battery charge/crank assist panel.

EnPak A60GBH*

- Air compressor
- Generator
- Battery charge/crank assist
- Chassis power
- Hydraulic pump

Comes standard with user interface panel and battery charge/crank assist panel.

EnPak A60GBHW*

- Air compressor
- Generator
- Battery charge/crank assist
- Chassis power
- Hydraulic pump
- Integrated multiprocess welding

Comes standard with user interface panel and battery charge/crank assist panel and weld output panel.

**Available as a Cold Weather Package which adds factory-installed diesel fuel heater and compressor oil heater. See page 8. Engine block heater standard on all models.*

User interface panel

Includes 30 feet (9 m) of cabling.



Battery charge/crank assist panel

Cabling is provided by integrator.



Weld output panel

A60GBHW model only.
Cabling is provided by integrator.



Auxiliary power remote panel

Installation option on all models — see page 8.
Cabling is provided by integrator.



EnPak® A60 Series Features



Air compressor

The EnPak A60 features a 60-cfm rotary-screw compressor that can power virtually any air tool, including most one-inch impact wrenches. The rotary-screw compressor reliably provides air on demand.



Battery charge/crank assist

The EnPak A60 produces up to 150 amps of DC current to quickly charge 12- and 24-volt batteries. Jobsite equipment with weak batteries can provide up to 300 amps of crank assist.



Welder with multiprocess capabilities

The EnPak A60 provides multiprocess weld capabilities including carbon arc gouging (A60GBHW model only) with 325 amps of output (100 percent duty cycle) so technicians are prepared for each welding job they encounter in the field.



Turbo-charged engine

The EnPak A60 utilizes a turbocharged diesel engine, delivering more power at lower speeds (2,800 rpm). It outperforms in every environment — even at high elevations — so operators have the power they need to work anywhere.



Auto-Speed™ technology

Advanced Auto-Speed technology automatically varies engine speed from 1,800–2,800 rpm to match compressed air, battery charge and weld demands — reducing fuel consumption, maintenance costs and noise for a safer, more efficient jobsite.



CAN bus connectivity

Allows the EnPak A60 to connect to a telematics system so you can monitor engine data, machine loads and usage. Track service intervals, schedule maintenance proactively and improve diagnostics of your EnPak power system.



Generator power

The EnPak A60 provides a 7,000-watt generator that can handle most jobsite electrical needs — electrical tools, lights, and more.

The optional auxiliary power panel provides two 120-volt GFCI-protected duplex receptacles and one 120/240-volt receptacle with 60 Hz current.



Hydraulic pump

The Casappa® variable-displacement pump supports reliable, precise crane operation (A60GBH and A60GBHW models only), delivering 16 gpm, open center.

Note: Closed center conversion kit available as an option. See page 8.



Chassis power

Integrated into the truck, chassis power monitors the battery and automatically charges it as needed. Technicians can turn off their truck without worrying about jobsite tools draining the battery — leaving them stranded.



Remote panels

The EnPak A60 has a new innovative LCD user interface panel that improves the user experience, provides full visibility to the system and empowers technicians to manage their power needs. The EnPak A60 also includes a battery charge/crank assist panel, weld output panel and an optional auxiliary power panel.



Auto start/stop

Auto start/stop automatically turns the EnPak engine on and off based on demand, reducing fuel consumption and noise — which enhances safety and improves the work environment.

Function and Benefit Guide



User interface panel



Battery charge/crank assist panel



Weld output panel (A60GBHW model only)



Optional auxiliary power remote panel

1. **LCD screen/visual dashboard.** Shows key performance indicators of all EnPak A60 systems and lets operator change settings and configurations easily and quickly.
2. **Welding menu button (A60GBHW model only)** enables weld mode. Once in weld mode, select weld process and weld settings.
3. **Battery charge button.** Once in battery charge mode, select either 12V or 24V charge or crank assist.
4. **Air compressor button.** Turns the air compressor on/off. Air use determines engine speed.
5. **Settings button.** Use to access settings, maintenance and system information menus.
6. **Information LED** notifies operator when EnPak is ready to start and is used to provide status when doing software updates.
7. **Engine control button** is used to start and stop the engine.
8. **Pushbutton main control knob** used for adjusting amperage/voltage, adjusting arc control, and accessing the service menu.
9. **USB port** allows software updates from a USB drive. A summary file of recorded data from the unit will be saved to a USB drive that is inserted.
10. **Battery charge/crank assist receptacle** for Anderson-style connection to battery charge/crank assist (12 or 24 volt).
11. **Weld output receptacles (Tweco®-style).**
12. **Optional 120 V receptacles w/circuit breakers and 120/240 V, 50 A receptacle**
Note: For matching 50 A plug, order 119172.

Specifications (Subject to change without notice.)



Compressor Brand and Warranty	Features	Free Air Delivery	Working Pressure	Duty Cycle	Oil Capacity	Automatic Compressor Shutdowns
Rotorcomp, covered under the Miller® 3-year warranty	Rotary screw with electric clutch for on/off. Oil change intervals of 500 hours.	60 cfm (1.70 m³/min.)	80–175 psig	100%	2 qt. (1.89 L)	High pressure (200 psi), high temperature

Hydraulic Pump Brand and Warranty	Pump Type	Rated Output	Maximum Pressure	Maximum Flow Rate
Casappa, covered under the Miller® 3-year warranty	Variable displacement piston	8.0 gpm at 3,000 psi at 2,800 rpm, 50% duty cycle	3,500 psi	16 gpm (open center) 16 gpm (with optional closed center conversion kit)

Process	Output Ranges	Rated Output at 104°F (40°C)*	Single-Phase Generator Power	Sound Levels at 7 m (23 ft.)	Dimensions	Net Weight**
Chassis power	12 V	150 A	Continuous: 7,000 watts	Idle: 65.6 dB High speed: 69 dB (rated load)	Machine H: 27 in. (686 mm) W: 21 in. (533 mm) D: 46 in. (1,168 mm) Main Control Panel H: 8.9 in. (226 mm) W: 10.3 in. (255 mm) D: 2.5 in. (63.5 mm)	731 lb. (332 kg)
Battery charge/crank assist	12/24 V	Charge: 150 A, Crank assist: 300 A				
DC stick	30–325 A	325 A at 30 V, 100% duty cycle				
DC TIG	20–325 A					
MIG/FCAW	15–40 A					

*Rated at sea level. **Net weight without fuel, with standard remote panels.

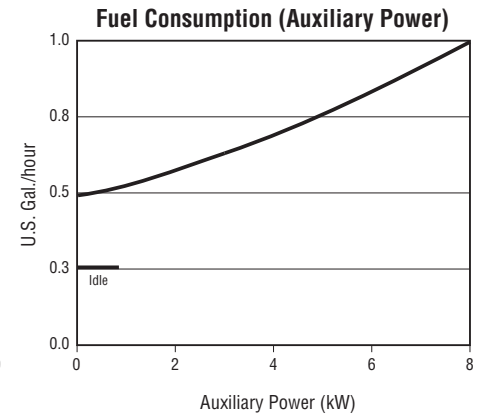
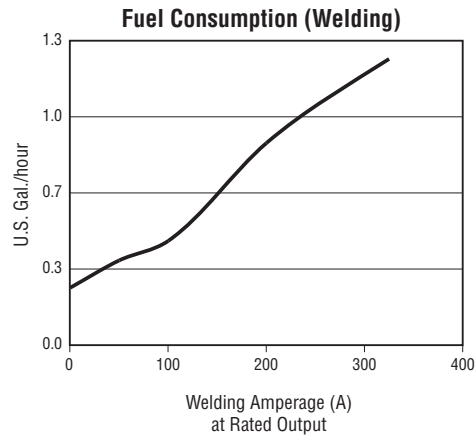
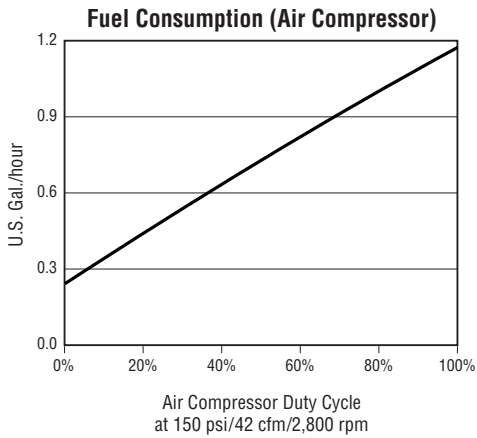


Certified by Canadian Standards Association to both the Canadian and U.S. Standards.

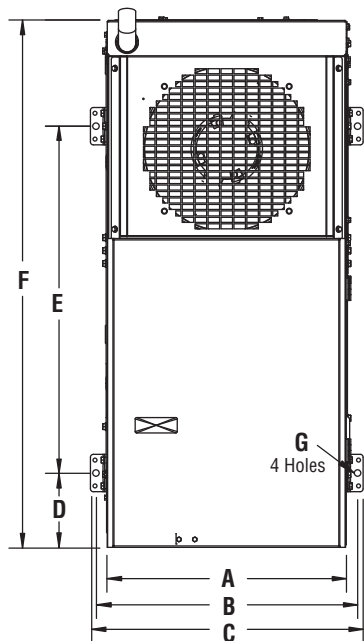
Engine Specifications (Engines warranted separately by the engine manufacturer.)

EnPak A60 Model	Engine Brand and Warranty	Horsepower (HP)	Type	Power Speed	Idle Speed	Fuel Capacity	Oil Capacity	Standard Shutdowns
Diesel	Kubota D902T, 3-year warranty	24.8 hp at 2,800 rpm	Three-cylinder, industrial liquid-cooled turbo-charged diesel with 60-amp alternator and electronic governor. Engine block heater standard	2,800 rpm	1,800 rpm	Chassis integrated	3.9 qt. (3.7 L)	Low oil pressure, high coolant temperature

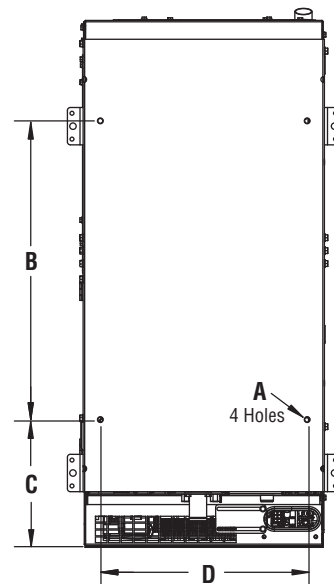
Performance Data



Mounting Specifications



Note: Cooling fan and exhaust can be moved to accommodate under-deck installations.



- External Mounting**
- A. 21 in. (533 mm)
 - B. 22.77 in. (578 mm)
 - C. 23.73 in. (603 mm)
 - D. 6.47 in. (164 mm)
 - E. 30.19 in. (767 mm)
 - F. 45.92 in. (1,166 mm)
 - G. 3/8 in. (9.5 mm) diameter
 - H. 22.73 in. (577 mm)

- Internal Mounting**
- A. 0.5 in. (12.7 mm) diameter
 - B. 26 in. (660 mm)
 - C. 11.12 in. (282 mm)
 - D. 18 in. (457 mm)



For truck installation information, visit
MillerWelds.com/truck

Genuine Miller® Options and Accessories



Female Receptacle



Full KVA Adapter Cord 300517 Field
NEMA 14-50P to NEMA 6-50R. Adapts engine drive 120/240 V plug to common Millermatic® and Spectrum® 240 V plug.



Full KVA Plug Kit 119172 Field
120/240 V, 50 A plug (NEMA 14-50P) to fit full KVA receptacle.



Battery Charge/Jump Cables with Plug 300422 Field
25 ft. (7.6 m)

Air Dryer Kit 301488 Field
Cools and removes moisture from the air supply.

Air Compressor Service Kit 275644 Field
Includes oil filter, air filter, oil separator and compressor oil.

Diesel Engine Filter Kit 284101 Field
Includes oil filter, air filter and secondary fuel filter.

2/0 Weld Cable Sets 301566
350 amps, 100 percent duty cycle. 50-foot (15.2 m) cables with Tweco®-style male connector and either an electrode holder or work clamp.

2/0 Weld Cables
195457 Cable with electrode holder
195458 Cable with work clamp
400 amps, 100 percent duty cycle. 10-foot (3 m) cable with Tweco®-style male connector and either an electrode holder or work clamp. Each includes a stud/Tweco® adapter.

2/0 Weld Cable Extension 195456
50-foot (15 m) cable extends weld cables 195457 and 195458. Two needed for a complete set.

Tweco®-Style Connector 191981
Male Tweco-style plug.

MIG (GMAW) or Flux-cored (FCAW)



Spoolmatic® 30A Spool Gun 130831
Rated at 200 amps, 100 percent duty cycle with 30-foot (9 m) cable.



Spoolmate™ 200 Spool Gun 300497
Rated at 160 amps, 60 percent duty cycle with 20-foot (6 m) cable.

Extension Hose and Cable Kit 132228
25 ft. (7.6 m). For Spoolmatic 30A and Spoolmate 200 spool guns.

Flow Gauge Regulator 234263
0–50 scfh, argon/CO₂



ArcReach® SuitCase® 8
951726 With Bernard® BTB Gun 300 A
951727 With Bernard® S-Gun™
951728 With Bernard® Dura-Flux™ gun
ArcReach® SuitCase® 12
951729 With Bernard® BTB Gun 300 A
951730 With Bernard® S-Gun™
951731 With Bernard® Dura-Flux™ gun
Portable feeder designed to run off of arc voltage. See literature M/6.55.

Plasma Cutting



Spectrum 375 X-TREME and 625 X-TREME shown.

Spectrum® 375 X-TREME™ 907529
See literature PC/9.2.

Spectrum® 625 X-TREME™ 907579
See literature PC/9.6.

Spectrum® 875 907583
See literature PC/9.8.

The Spectrum 375 X-TREME and 625 X-TREME come complete with protective X-CASE™ (not shown).

Ordering Information

Equipment and Options	Stock No.	Description	Qty.	Price
EnPak® A60GB	907813	Air compressor only		
EnPak® A60GB Cold Weather Package	907813001	Includes factory-installed diesel fuel heater and compressor oil heater		
EnPak® A60GBH	907814	Air compressor and hydraulic pump		
EnPak® A60GBH Cold Weather Package	907814001	Includes factory-installed diesel fuel heater and compressor oil heater		
EnPak® A60GBHW	907815	Air compressor, hydraulic pump and weld		
EnPak® A60GBHW Cold Weather Package	907815001	Includes factory-installed diesel fuel heater and compressor oil heater		
Installation Options				
Auxiliary Power Remote Panel	301562			
Hydraulic Reservoir	301612	20 gal. (76 L)		
Hydraulic Closed Center Conversion Kit	301599	Load sense valve for closed center or load sense application		
Crane Adapter	300552 300772 300773 300989 300908 300832	Auto Crane, wireless remote Nexstar, wireless remote IMT Series III — 2820 and pre-2001 remote IMT Series III Stellar, wireless CDT Six Wire Crane — used for all other crane / non-crane applications		
Field Options				
Air Dryer Kit	301488			
Cold Weather Kit	301614	Includes diesel fuel heater and compressor oil heater		
Full KVA Adapter Cord	300517			
Full KVA Plug Kit	119172			
Battery Charge/Jump Cables with Plug	300422	25 ft. (7.6 m)		
Air Compressor Service Kit	279123			
Diesel Engine Filter Kit	284101			
Accessories				
Ready To Work Accessory Kit	951858	Includes auxiliary power remote panel, battery charge/jump cables, and 50 ft. (15.2 m) weld cables with electrode holder and work clamp		
Power Accessory Kit	951870	Includes auxiliary power remote panel and battery charge/jump cables		
MIG Aluminum Accessory Kit	951881	Includes Spoolmate 200, regulator, and extension hose and cable kit		
2/0 Weld Cables		See page 7		
Spool Guns		See page 7		
Flow Gauge Regulator	234263	0–50 scfh, argon/CO ₂		
Wire Feeders		See page 7		
Plasma Cutters		See page 7		

Date:

Total Quoted Price:

Distributed by:

