

Big Blue® 800 Series

See literature ED/14.0

The most powerful lineup of diesel welder/generators in the industry. Robust output for welding and power generation; ideal for dual-operator applications on labor-intensive or limited-space jobsites.



Big Blue 800 Duo Pro

Big Blue 800 Duo Air Pak

IMPROVED!

Now available with wireless interface control (WIC) on select models.

ArcReach®

Parameter control at the wire feeder or stick/TIG remote without needing a control cord. Standard on all models. See page 47 for more information.

WIRELESS INTERFACE CONTROL

Work hassle-free with full welder/generator control in the palm of your hand. Factory-installed option on select models. See page 80 for more information.

Note: WIC-equipped Big Blue 800 Series machines include two remotes so both operators have full control of their processes and parameters.

Multi-arc welding. One dependable engine – two independent arcs with up to 400 amps each. Or plug in additional inverters for a true multioperator work platform! Example: Two additional XMT machines equals four operators, up to 200 amps each. Premium quality arcs allow operators to work independently with no arc interaction. Multioperator welding has never been easier or more versatile.

Increased efficiency. More arcs and better fuel economy equal increased profits for your business. Estimated savings are 34 percent with a dual-operator unit versus two single-operator units.

Simple paralleling switch makes switching from a single operator to dual operators a breeze. Weld up to 400 amps per side when set up in dual-operator mode, or up to 800 amps in single-operator mode.

Electronic engine display simultaneously displays fuel level, engine hours, coolant temperature, oil pressure, battery volts and engine rpm. Also tracks oil change intervals and displays engine diagnostics for easier servicing. Air Pak model adds air pressure and compressor hours displays.



Dynamic DIG™ technology automatically adjusts the amount of current required to clear a short. Delivers a smoother, more consistent arc that can be tailored to match the application, material, fit-up and welder technique.



Industrial USB port. Upload the latest software and download machine log files to retrieve information such as diagnostics and machine statistics.

20,000 watts of pure generator power. Plug in Miller® inverter-based power sources for additional welding arcs!

Standard features include ArcReach, digital meters with SunVision™, automatic idle, 120-volt block heater and vandalism lockout kit (protects control panel and receptacles).

Ingersoll Rand ultra-reliable industrial rotary screw compressor (Air Pak™ model only). 30,000-hour life expectancy. Independent on/off control for applications not requiring compressed air – allows greater fuel savings and longer compressor service intervals.

Heavy Industrial ● **AC CV DC**

Processes

- Stick (SMAW) ■ MIG (GMAW)¹
- Flux-cored (FCAW)¹ ■ DC TIG (GTAW)
- RMD^{®2} ■ Pulsed MIG (GMAW-P)²
- Submerged arc (SAW)
- Air carbon arc cutting and gouging (CAC-A) (rated 1/2 in. carbons)
- Stud (1/2 in.)

¹With wire feeder.

²With ArcReach Smart Feeder.

Diesel engine

EPA Tier 4 Final

Deutz TD2.9 L4: 65.7 hp at 1,800 rpm Turbo-charged, four-cylinder, industrial, liquid-cooled

Note: Engines are warranted separately by engine manufacturer.

Most popular accessories

- SuitCase® Feeders (pg 18/47)
- ArcReach® Smart Feeder (pg 18/47)
- ArcReach® Stick/TIG Remote (pg 47)
- ArcReach® Heater (pg 47/92)
- Dynasty 210® Series (pg 56)
- Full KVA Adapter Cord 300517 (pg 120)
- Full KVA Plug Kit (pg 120)
 - 119172 Single-phase
 - 254140 Three-phase
- Protective Cover 301113 (pg 120)
- Remote Output Panel Kit 951850 (pg 120)
- HWY-225 Trailer 301338 (pg 121)
- Desiccant Air Dry System (Air Pak model only)
 - 195117 Side mount
 - 195117001 Rear mount
 Eliminates moisture in the air stream and prevents air line freeze-ups in cold climates
- Cold Weather Kit 301482
- Spark Arrestor Kit 195012
- Wireless Interface Control Screen Protectors 287594 (5 pack)

Visit MillerWelds.com or your distributor for other Miller® options and accessories.

*Big Blue 800 Duo Air Pak has welder truck specific models available – visit MillerWelds.com or your distributor.

Diesel	Model/Stock Number*	Welding Mode/Process	Output Mode	Amp/Volt Ranges	Rated Output at 100% Duty Cycle at 104°F (40°C)	Generator Power at 104°F (40°C)	Dimensions	Net Weight
	Big Blue 800 Duo Pro (907751) Deutz Big Blue 800 Duo Air Pak (907752) Deutz Big Blue 800 Duo Air Pak (907752003) Deutz with WIC	CC/DC (Stick/TIG)	Separate (dual outputs)	20-400 A	400 A at 36 V (each side)	Three-phase Peak: 27,000 watts Continuous: 20,000 watts	H: 46 in. (1,168 mm) W: 28.5 in. (724 mm) D: 69.5 in. (1,765 mm)	Duo Pro: 1,869 lb. (848 kg) Duo Air Pak: 2,095 lb. (968 kg)
	CV/DC (MIG/FCAW)	Separate (dual outputs)	15-50 V	400 A at 34 V (each side)	Single-phase Peak: 15,000 watts Continuous: 12,000 watts			
		Paralleled (combined)	40-800 A	700 A at 44 V, 800 A at 38 V				
		Paralleled (combined)	15-50 V	750 A at 40 V, 800 A at 38 V				
Ingersoll Rand CE55 G1 Air Compressor (Air Pak model only)	Features	Free Air Delivery	Working Pressure Constant	Duty Cycle	Oil Capacity			
	Rotary screw with electric clutch for on/off, oil change intervals of 500 hours, life expectancy of 30,000 hours	Idle: 40 cfm (1.13 m ³ /min.) Weld: 60 cfm (1.70 m ³ /min.)	100 psig (7 bar)	100%	4 qt. (3.79 L)			