

Big Blue[®] 700 Duo Pro

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**Diesel Engine-Driven
Welder/AC Generator**



Quick Specs



Applications

Pipe Welding
Mechanical Contractor
Construction
Repair

Process

Stick, MIG, DC TIG
Flux Cored, Air Carbon Arc

Single Weld Mode (max 800A)

10 mm carbons

Dual Weld Mode (max 400A)

6 mm carbons

Rated Output:

Single Weld Mode: CC: 40 – 800A, CV: 14 – 40 V
Dual Weld Mod: CC: 20 – 400A, CV: 14 – 40 V

Generator Output Rated (40° C)

Deluxe Model 32,000 Watts Peak
24,000 Watts Continuous

**Accu-Rated™ – Not Inflated
Generator Power**

The Power of Blue.[®]

Multi-arc welding is better than ever! One dependable engine with two premium pipe-quality arcs, allow operators to work independently of each other with no arc interaction. Full multiprocess capability provides the best Stick, MIG, Flux-Cored and TIG performance available. Multioperator welding was never easier, simpler or more versatile. It's a one-of-a-kind, go-anywhere engine drive.

The Professional Welder's Choice designed with the professional in mind, the Big Blue 700 Duo Pro is the best for arc performance, ease of use and reliability.

Double the amperage output. Deluxe models have a parallel switch that combines both independent outputs to a single side. This provides a safe and easy way to run large electrodes, Stud weld or Carbon Arc gouge.

Increase profits with this multi-arc machine by completing your most demanding jobs in half the time compared to conventional engine-driven welders. With two arcs in one engine drive, fewer machines are required for a job.

Thermal overload protection prevents machine damage if the duty cycle is exceeded or airflow is blocked.



Deutz D2011L04i diesel. Heavy-duty low-speed industrial engine is designed to operate over 10,000 hours before the first basic overhaul. Backed by worldwide support and service.

Meter maintenance displays

- Fuel gauge
- Hour meter function
- Oil change interval
- High coolant temperature and low oil pressure shutdowns
- Low fuel shutdown—engine shuts down before system runs out of fuel, making restarts easy.

Independent generators provide the flexibility, dependability and reliability you need to get the job done right.

Deluxe Model includes parallel switch, 32 kW auxiliary generator power, intake manifold heater and oil pan heater.

Standard features include: Stick, MIG, Flux-Cored, Lift-Arc™ TIG, and digital preset weld meters, output contactor control and automatic idle.



Engine is warranted 2 years by engine manufacturer.
Welder/generator is warranted by Miller for 3 years, parts and labour.



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Specifications



Welding Mode	Output Mode	Weld Output Range	Weld Output Rated at 40° C	Generator Power Output Rated at (40° C)	Max. Open-Circuit Voltage	Dimensions	Weight
CC/ DC (Stick/TIG)	Seperate (Dual Outputs)	20 - 400 A (Each Side)	300 A, 32 VDC, 100% DC* (Each Side) 400 A, 36 VDC, 40% DC* (One Side only)	3 - phase: 27 kW Peak 20 kW continuous or 1-phase: 19 kW Peak/ 12 kW continuous	85 VDC	H: 1092 mm H: 1270 mm (incl. uitlaat) W: 724 mm D: 1654 mm	Net: 784,0 kg Ship: 799,0 kg Additional: 86,0 kg when fuel tank is full
	Paralleled (Combined)	40 - 800 A	500 A, 40 VDC, 100% DC 700 A, 28 VDC, 60% DC				
CV/ DC (MIG / FCAW)	Seperate (Dual Outputs)	14- 40 V (Each Side)	300 A, 29 VDC, 100% DC* (Each Side) 400 A, 34 VDC, 40% DC* (One Side only)				
	Paralleled (Combined)	14 - 40 V	500 A, 39 VDC, 100% DC 700 A, 28 VDC, 60% DC				

Engine Specifications

Engine Brand	Features	HP	Type	Engine Speeds	Capacities	Automatic Engine Shutdown
Deutz D2011L04i	EPA Tier 4i compliant, direct-injected, air/oil-cooled engine. Right-side service access with intervals of 1000 hours for oil and filters.	48.6	4-cylinder, industrial, air/oil-cooled, diesel	Weld: 1860 RPM Idle: 1350 RPM	Fuel: 95 L Oil: 8.5 L	Low Oil Pressure, High Coolant Temperature, Low Fuel Level

Ordering Information

Power Source	Stock No.	Description
Big Blue 700 Duo Pro	907 520 001	International Deluxe Model w/32 kW of Power, 380 V 3-Phase, Parallel Switch, Intake Manifold Heater and 120 VAC Oil Pan Heater
Accessories		
Cold Weather Starting Kit	195 307	
Engine Filter Kit	246 988	Includes air, oil and fuel filters
Spark Arrestor (Muffler) Kit	195 012	
FA-1D Lockable Fuel Cap	043 947	FA-1D Lockable Flame Arrestor Fuel Cap
Protective Cover	194 683	

