



ENGINE DRIVEN



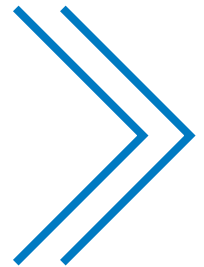
Big Blue® 500X Pro

Part No: MR907603001-1 [Deutz Diesel Engine]



High Output Capacity for Remote Jobs

IDEAL FOR HEAVY INDUSTRIAL APPLICATIONS INCLUDING CONSTRUCTION & MINING MAINTENANCE & REPAIR



APPLICATIONS

- Heavy Construction
- Structural Steel
- Mining Maintenance
- Maintenance and Repair Rigs
- Process Piping

PROCESSES

- Stick (SMAW)
- MIG (GMAW)
- Flux Cored (FCAW)
- DC TIG (GTAW)
- Air Carbon Arc (CAC-A)
- 5/16-inch (8 mm) Carbons

AUTO REMOTE SENSE™

Detects if a remote control is plugged into the 14-pin receptacle and eliminates confusion of a remote/panel switch.

INFINITE ARC CONTROL

Allows the arc characteristics to be changed for specific applications in Stick, TIG, MIG and FCAW

LIFT-ARC TIG WITH AUTO CRATER AND AUTO STOP

Lift-Arc TIG provides soft TIG arc starting without the use of high frequency, while Auto Crater and Auto Stop eliminates tungsten and workpiece contamination.

THERMAL OVERLOAD PROTECTION

Prevents machine damage if the duty cycle is exceeded or airflow is blocked.



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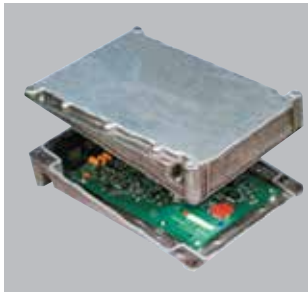


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THE VAULT

Ultimate control board reliability. Solid-state control technology, housed in a sealed vault. The vault's sealed connections are made through watertight plugs that make these components impenetrable to dust and moisture.

STANDARD FEATURES

- > Vandal Proof Doors.
- > Digital Preset Weld Meters.
- > Automatic Idle.
- > Cold Weather Starting Aids.

REMOTE OIL DRAIN

Prevents spills and makes servicing easy.

METER MAINTENANCE DISPLAY

Includes oil pressure, coolant temperature, battery voltmeter, fuel gauge and engine hour meter.

LOW OCV STICK (VRD)

Reduces the open-circuit voltage to 15 volts when the welding power source is not in use. This feature is now built into the Big Blue 500X Pro for increased operator safety without compromising arc starts.

AUXILIARY POWER*

- > 1 x 380 V 32 Amp 3 Phase Sockets.
- > 2 x 240 V 15 Amp 1 Phase Sockets.
- > RCD

MODEL OPTIONS	PART NO.
Emergency Stop, Double Pole Battery Isolator & Lockout Device	MR907603001-2
Roll Frame & Spill Tray Assembly, Emergency Stop, Double Pole Battery Isolator & Lockout Device	MR907603001-3

POLARITY CHANGE SWITCH

Switch allows easy change of weld polarity, without the need to undo weld cables.

HEAVY-DUTY LOW-SPEED INDUSTRIAL DIESEL ENGINES

The cleanest, greenest diesel power available. Deutz T4F models utilize diesel oxidation catalyst (DOC) technology to keep the air clean with NO exhaust aftertreatment maintenance.

3 YEAR WARRANTY

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

*Generator auxiliary power is 60Hz, and intended for operating equipment associated with welding, such as angle grinders, drills and floodlights. Some Australian 50Hz equipment incorporating induction motors, such as pumps, fans, air compressors, refrigeration or air-conditioners, may not operate correctly and could be damaged. Refer to appliance supplier or manufacturer to confirm suitability.

PRODUCT SPECIFICATIONS

WELDING MODE/PROCESS	AMP/VOLT RANGE	WELD OUTPUT	MAX OPEN-CIRCUIT VOLTAGE	GENERATOR POWER OUTPUT***	DIMENSIONS (MM)	WEIGHT (WITHOUT FUEL)
CC/DC (Stick/TIG)	20 - 500 A	400 A at 36 V, 100% Duty Cycle* 450 A at 33 V, 60% Duty Cycle 500 A at 30 V, 40% Duty Cycle	92 VDC 15 VDC**	3 Phase: Peak: 21K watts Continuous: 15K watts	H: 1067 W: 724 D: 1654 Add 191mm to heights for exhaust pipe	Net: 703kg Shipping: 726kg Additional 75kg when fuel tank is full
CV/DC (MIG/FCAW)	14 - 40 V			1 Phase 240V: Peak: 4,000 watts Independent of weld output		

*Meets NEMA and IEC ratings. **VRD voltage for Stick and sense voltage for Lift-Arc™ TIG. ***Will operate either 60 hertz or 50/60 hertz power tools, lights, etc.

Built and tested to meet IEC 60974-1 standard for arc welding equipment.



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