



# **Engine Driven Machines**

**PACKED WITH  
POWER!**



**Trusted by the best**





An aerial photograph of a mining site, showing a large, deep, and rugged excavation. The terrain is dark and textured, with various ridges and valleys. A large, bright blue diagonal overlay covers the left side and bottom of the image, creating a high-contrast background for the text.

# **Packed with Power.**

**MILLER ENGINE DRIVEN  
MACHINES DELIVER IN  
MORE WAYS THAN ONE!**

# Get the Advantage.

## 1. PACKED WITH POWER

Miller Engine Driven machines are packed with power and designed to deliver.

## 2. DESIGNED TO LAST

Miller's Engine Driven machines are designed to run hours and hours continuously, and won't let you down.

## 3. BUILT TOUGH FOR MAJOR PROJECTS

Built tough, Miller Engine Drive machines are used world over on major projects across various industry sectors.

## 4. FOR SITE WORK & REMOTE APPLICATIONS

Engine Driven machines are ideal for remote applications. Need power? All engine drives have 240V single phase (60Hz). The Big Blue 500X, 700X and 800X also have three phase power 415-380V (60Hz) outputs making them ideal for site work.

## 5. LOWER CAPITAL INVESTMENT & RUNNING COSTS

Miller's Big Blue 700X and 800X Engine Drive machines have dual operator capability which allows engine driven fleets to be reduced. The 800X has a built in air compressor resulting in lower capital investment and lower running costs.

## 6. RELIABILITY SECOND TO NONE

Backed by a 3 year warranty and Australia wide service network, every Miller machine can be relied on to deliver!





# **Get More with Miller!**

**WITH MILLER YOU'LL  
GET MORE THAN A HIGH  
QUALITY, DURABLE &  
RELIABLE WELDER, YOU'LL  
GET PERFORMANCE &  
RELIABILITY THAT IS  
SECOND TO NONE.**

**3 YEAR  
WARRANTY**

Every Miller machine comes with technical support, 3 years warranty, and back up from WIA's Australia wide service network – that's why with Miller you'll get more!





# For Site Work & Remote Applications

- Fabrication
- Maintenance
- Rural
- Construction
- Pipeline
- Mining





# Engine Specs

## BOBCAT 250 PETROL

ENGINE BRAND & WARRANTY	HP	TYPE	WELD SPEED	IDLE SPEED	FUEL CAPACITY	OIL CAPACITY	STANDARD SHUTDOWNS
Kohler: 3-year Manufacturer's Warranty	23 HP	Twin-cylinder, four-cycle overhead valve, industrial air-cooled, gasoline (carburettor)	3600 RPM	2300 RPM	45 L	1.4 L	Low Oil Pressure

## BOBCAT 250 DIESEL

ENGINE BRAND & WARRANTY	HP	TYPE	WELD SPEED	IDLE SPEED	FUEL CAPACITY	OIL CAPACITY	STANDARD SHUTDOWNS
Kubota: 2-year 2000 Hours 1-year Minor Components	19 HP at 3600 RPM	Three-cylinder, industrial liquid-cooled, diesel	3600 RPM	2450 RPM	45 L	3.2 L	High Coolant Temperature, Low Oil Pressure, Low Fuel

## TRAILBLAZER 325 (PETROL)

ENGINE BRAND & WARRANTY	HP	TYPE	WELD SPEED	IDLE SPEED	FUEL CAPACITY	OIL CAPACITY	STANDARD SHUTDOWNS
Kohler: 3-year Manufacturer's Warranty	25 HP at 3600 RPM	Twin-cylinder, four-cycle overhead valve, industrial air-cooled, gasoline (carburettor)	Auto-Speed™ 2400, 2800, 3200 or 3600 RPM	2400 RPM	45 L	1.4 L	Low Oil Pressure

## TRAILBLAZER 325 (DIESEL)

ENGINE BRAND & WARRANTY	HP	TYPE	WELD SPEED	IDLE SPEED	FUEL CAPACITY	OIL CAPACITY	STANDARD SHUTDOWNS
Kubota: 2-year 2000 Hours 1-year Minor Components	24.8 HP at 3600 RPM	3-cylinder, industrial liquid-cooled, diesel	Auto-Speed™ 2400, 2800, 3200 or 3600 RPM	2400 RPM	45 L	3.7 L	High Coolant Temperature, Low Oil Pressure, Low Fuel

## BIG BLUE 400X PRO

ENGINE BRAND & WARRANTY	HP	TYPE	FEATURES	ENGINE SPEEDS	CAPACITIES	AUTOMATIC ENGINE SHUTDOWN
Catepillar C1.5 Water-Cooled Three-Cylinder 21.7 HP Diesel Engine 24 months or 2000 hours.	21.7 HP	3-cylinder, industrial liquid-cooled, diesel	EPA Tier 4i compliant, indirect-injected, liquid-cooled engine. Right-side service access with intervals of 250 hrs for oil and filters.	1850 RPM Weld	Fuel: 43.5 L Oil: 5.7 L Coolant: 5.7 L	Low Oil Pressure, High Coolant Temperature, Low Fuel Level



**BIG BLUE 500X PRO**

ENGINE BRAND & WARRANTY	HP	TYPE	FEATURES	ENGINE SPEEDS	CAPACITIES	AUTOMATIC ENGINE SHUTDOWN
Deutz D2011L03i First year all components. Second year all components, 2000 hr limit. Third year, major components only, 3000 hr limit.	32 HP	Three-cylinder, air/oil-cooled industrial diesel	EPA Tier 4i Compliant	Idle: 1350 RPM Weld: 1800 RPM	Fuel: 95 L Oil: 8 L Coolant: Integrated Oil	Low Oil Pressure, High Coolant Temperature, Low Fuel Level

**BIG BLUE 700X DUO PRO**

ENGINE BRAND & WARRANTY	HP	TYPE	FEATURES	ENGINE SPEEDS	CAPACITIES	AUTOMATIC ENGINE SHUTDOWN
Deutz D2011L04i First year all components. Second year all components, 2000 hr limit. Third year, major components only, 3000 hr limit.	48.6 HP	Direct-injected four-cylinder, air/oil cooled industrial diesel	EPA Tier 4i Compliant	Idle: 1350 RPM Weld: 1800 RPM	Fuel: 95 L Oil: 8.5 L Coolant: Integrated Oil	Low Oil Pressure, High Coolant Temperature, Low Fuel Level

**BIG BLUE 800X DUO AIR PAK**

ENGINE BRAND & WARRANTY	HP	TYPE	FEATURES	ENGINE SPEEDS	CAPACITIES	AUTOMATIC ENGINE SHUTDOWN
Deutz TD2011L04w First year all components. Second year all components, 2000 hr limit. Third year, major components only, 3000 hr limit.	63.4 HP	Turbo-charged four-cylinder, liquid-cooled industrial diesel	EPA Tier 4i Compliant	Idle: 1350 RPM Weld: 1800 RPM	Fuel: 95 L Oil: 10.4 L Coolant: Integrated Oil	Low Oil Pressure, High Coolant Temperature, Low Fuel Level

COMPRESSOR BRAND	FEATURES	FREE AIR DELIVERY AT 1850 RPM	FREE AIR DELIVERY AT 1235 RPM	WORKING PRESSURE CONSTANT	DUTY CYCLE	OIL CAPACITY	AUTOMATIC COMPRESSOR SHUTDOWNS
Ingersoll Rand CE55 G1 3-year Warranty	Rotary screw with electric clutch for on/off. Oil change intervals 500 hrs (same as engine). Life expectancy 30,000 hrs.	60 cfm (1.70 m <sup>3</sup> /min)	40 cfm (1.13 m <sup>3</sup> /min) Idle	100 PSIG 7 bar	100%	3.79 L	Oil Temperature







# Selection Chart

PRODUCT	PROCESS					AUXILIARY OUTPUT							
	STICK	MIG*	FLUX CORED*	DC TIG	DC PULSE TIG	CAC-A	AUXILLARY GENERATOR POWER - WATTS (PEAK)	WELDING OUTPUT RANGE	ENGINE	VRD	RCD	AUX POW-ER OUTLETS	TYPICAL APPLICATIONS
Bobcat 250 [Petrol]	●	●	●	●		3/16" (4.8mm)	11,000	40 - 250 AC 40 - 250 DC 17 - 28 CV	Kohler Petrol		●	2 x 15 Amp 1 x 32 Amp (All 240V)	Fabrication, Maintenance, Rural, Construction
Bobcat 250 [Diesel]	●	●	●	●		3/16" (4.8mm)	11,000	40 - 250 AC 40 - 250 DC 17 - 28 CV	Kubota Diesel	Opt.	●	2 x 15 Amp 1 x 32 Amp (All 240V)	Fabrication, Structural, Maintenance, Repair, Piping
Trailblazer 325 [Petrol]	●	●	●	●	●	3/16" (4.8mm)	12,000	10 - 325 DC 10 - 35 CV	Kohler Petrol	Opt.	●	2 x 15 Amp 1 x 32 Amp Sockets (All 240V)	Fabrication, Maintenance, Rural, Construction
Trailblazer 325 [Diesel]	●	●	●	●	●	3/16" (4.8mm)	12,000	10 - 325 DC 10 - 35 CV	Kubota Diesel	Opt.	●	2 x 15 Amp 1 x 32 Amp Sockets (All 240V)	Fabrication, Structural, Maintenance, Repair, Piping
Big Blue 400X Pro	●	●	●	●		1/4" (6mm)	12,000	20 - 400A CC 14 - 40V CV	CAT Diesel	●	●	2 x 15 Amp 1 x 32 Amp (All 240V)	Fabrication, Maintenance, Structural, Construction
Big Blue 500X Pro	●	●	●	●		5/16" (8mm)	15,000 3PH 4,000 1PH	20 - 500 CC 14 - 40 DV	Deutz Diesel	●	●	2 x 15 Amp 240 V 1PH, 1 x 32 Amp 380V 3PH	Fabrication, Structural, Maintenance, Repair, Piping
Big Blue 700X Duo Pro	●	●	●	●		1/2" (13mm)	27,000 3PH 5,500 1PH	Paralleled 40 - 800A Each Side 20 - 400A	Deutz Turbo Diesel	●	●	2 x 15 Amp 240V 1PH 1 x 32 Amp 380V 3PH	Construction, Pipeline, Mining, Maintenance, Railroad
Big Blue 800X Duo Air Pak	●	●	●	●		1/2" (13mm)	27,000 3PH 5,500 1PH	20 - 800 CC 14 - 40 CV	Deutz Turbo Diesel	●	●	2 x 15 Amp 240V 1PH 1 x 32 Amp 380V 3PH	Construction, Structural, Maintenance, Mining

\* Optional wirefeeder required  
 Capability ● Designed for this process



ENGINE DRIVEN

# Bobcat 250

Part No: MR907500001-1 [Kohler Petrol Engine]

## Designed for Reliability

QUIETER, SMALLER  
& LIGHTER THAN EVER.



Up to  
**33%**  
Sound  
Reduction



**12<sup>cm</sup>**  
Shorter  
Up to  
**24<sup>kg</sup>**  
Lighter

### UP TO 33% QUIETER

- > Significant improvements in sound level and quality offer better jobsite communication, making for a safer work environment.
- > The engine has been rotated toward the front to create efficient airflow and quieter operation. Now you can start the job earlier and work around hospitals, businesses and residential areas.

### SMALLER & LIGHTER DESIGN

Takes up less space on trucks and trailers - leaving more room on your truck for other equipment and tools.

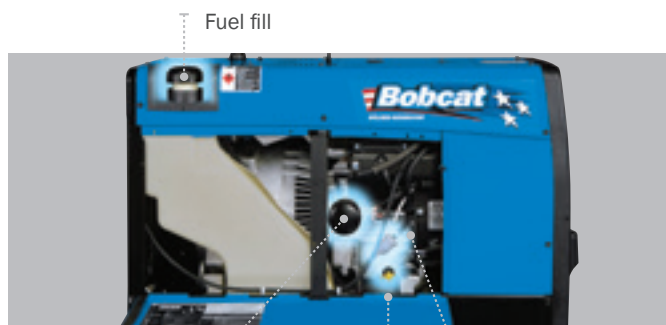


### REVERSED GENERATOR AIRFLOW

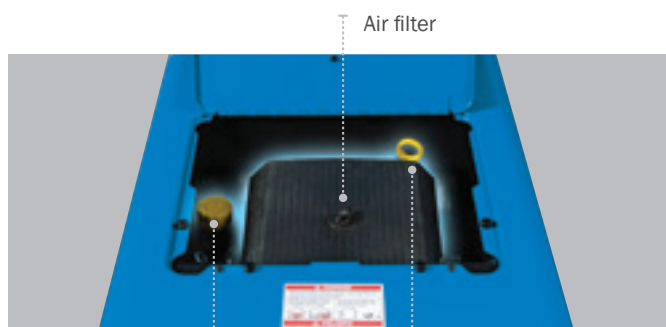
Exclusive engine and generator packaging design operates cooler and more efficiently. The engine is rotated towards the front to create more efficient airflow. More efficient airflow and exclusive engine location are significant contributors to reduced sound level and size. Hot air recirculation is eliminated when machine is mounted in tight spots, and internal parts are kept cool for optimal performance.



## « SELECTION CHART



Fuel fill  
Oil filter  
Oil drain  
Fuel filter



Air filter  
Oil fill  
Oil level check

### EASIER MAINTENANCE

Maintenance is now faster and easier. With front panel maintenance displays, you know when your equipment needs to be serviced.

- Oil checks can be performed from the top by the front panel.
- Single-side fuel fill and oil drain/filter.
- Tool-less panels that allow for quick access.

### LONG RUNTIMES

Large 45L fuel capacity means many hours of run time before refuelling.

### MULTI-PROCESS CAPABILITY

MIG, Stick, DC, AC, TIG

### APPLICATIONS

Maintenance  
Repair  
Rural  
Fabrication  
Structural Steel Work  
Stand-Alone Generator

### PROCESSES

Stick (SMAW)  
Flux-Cored (FCAW)  
MIG (GMAW)  
DC TIG (GTAW)  
Air Carbon Arc (CAC-A)  
Cutting and Gouging (4.8mm Carbons)

### SMOOTH GENERATOR POWER

- Revolutionary ten degree skewed rotor design optimises generator performance.
- Typical equipment which can be run includes hand tools, circular saw, air compressor and flood lights.

### VERSATILE AC & DC WELD OUTPUT

Provides quality welds on all types of metals. DC is smooth and easy to run while AC Stick is used when arc blow occurs.

### AUXILIARY OUTPUT\*

- 2 X 15 Amp Sockets.
- RCD.
- 1 X 32 A 240 V 1PH 60Hz.

\*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.

WELDING MODE	PROCESS	AMP/VOLT RANGE	RATED OUTPUT	GENERATOR POWER	DIMENSIONS (MM)	WEIGHT (WITHOUT FUEL)
CC/AC	Stick/TIG	40 - 140 A 60 - 160 A 80 - 225 A	225 A at 25 V, 100% Duty Cycle	Peak: 11,000 Watts Continuous: 9,500 Watts 40 A, 240 VAC, 60 Hz	H: 711 H: 832 (to top of exhaust) W: 508 D: 1029	227kg
CC/DC	Stick/TIG	100 - 250 A	250 A at 25 V, 100% Duty Cycle			
CV/DC	MIG/FCAW	17 - 22 V 20 - 28 V	250 A at 25 V, 100% Duty Cycle			

**ENGINE DRIVEN****<< SELECTION CHART**

# Bobcat 250

Part No: MR907565-1 [Kubota Diesel Engine],

MR907565001-2 (with VRD) [Kubota Diesel Engine]

## QUIETER, SMALLER & LIGHTER THAN EVER.

**Up to  
24<sup>kg</sup>  
Lighter**

### SMALLER & LIGHTER DESIGN

Takes up less space on trucks and trailers - leaving more room on your truck for other equipment and tools.

### LONG RUNTIMES

Large 45L fuel capacity means many hours of run time before refuelling.

### SMOOTH GENERATOR POWER

Revolutionary ten degree skewed rotor design optimises generator performance. Typical equipment which can be run includes hand tools, circular saw, air compressor and flood lights.

### VERSATILE AC & DC WELD OUTPUT

Provides quality welds on all types of metals. DC is smooth and easy to run while AC Stick is used when arc blow occurs.

### MULTI-PROCESS CAPABILITY

MIG, Stick, DC, AC, TIG.

### DESIGNED FOR RELIABILITY

- > Copper windings and iron generator components for a quality built machine.
- > Lugged - not soldered - heavy internal leads for better field durability.
- > Superior cooling technology for maximum performance and engine life.
- > Super-tough armour to protect the welder/generator from accidental impact.
- > Lift hook integrated into the centre frame, which bolts to the machine's base for greater durability.

### APPLICATIONS

Maintenance  
Repair  
Rural  
Fabrication  
Structural Steel Work  
Stand-Alone Generator

### PROCESSES

Stick (SMAW)  
Flux-Cored (FCAW)  
MIG (GMAW)  
DC TIG (GTAW)  
Non-Critical (GTAW)  
Air Carbon Arc (CAC-A)  
Cutting and Gouging (4.8mm Carbons)

### EASIER MAINTENANCE

With front panel maintenance displays, you know when your equipment needs to be serviced.

### AUXILIARY OUTPUT\*

- > 2 X 15 Amp Sockets.
- > RCD.
- > 1 X 32A 240V 1PH 60Hz.



\*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.

WELD. MODE	PROCESS	AMP/VOLT RANGE	RATED OUTPUT	GENERATOR POWER	DIMENSIONS (MM)	WEIGHT (WITHOUT FUEL)
CC/AC CC/DC	Stick/TIG	40 - 130 A, 60 - 160 A, 80 - 225 A, 100 - 250 A	250 A at 25 V, 100% Duty Cycle	Peak: 11,000 Watts Continuous: 9,500 Watts	H: 711 H: 873 (to top of exhaust) W: 508 D: 1153	289kg
CV/DC	MIG/FCAW	17 - 22 V 20 - 28 V	250 A at 28 V, 100% Duty Cycle	40 A, 240 VAC, 60 Hz		



**ENGINE DRIVEN****<< SELECTION CHART**

# Trailblazer 325

Part No: MR907510001-1 [Kohler Petrol Engine]

Part No: MR907566001-1 [Kubota Diesel Engine]

Part No: MR907566001-2 (with VRD) [Kubota Diesel Engine]

## INNOVATIVE DESIGN - REDUCED SIZE & WEIGHT.

### DUAL GENERATOR SYSTEM

One for welding and one for generating power - meaning no interaction between tools and the welding arc.

### INNOVATIVE DESIGN

For quieter operation, reduced size and weight and easier maintenance.

### APPLICATIONS

Structural Steel Work  
Sheet Metal  
Repair  
Rental  
Pipe  
Fabrication  
Maintenance

### PROCESSES

Stick (SMAW)  
MIG (GMAW)  
Flux Cored (FCAW)  
DC TIG/Pulsed TIG (GTAW-P)  
Air Carbon Arc (CAC-A)

### 4-POLE 3 PHASE WELDING GENERATOR

Utilises a 4-pole, 3-phase generator to produce the best welding arc.

### ACCU-RATED™ 12,000 WATTS OF USABLE PEAK POWER

Separate 12,000 Watt single phase generator cranks out enough power for most applications.

### SUPERIOR ARC PERFORMANCE

- > Three Stick modes – XX10, XX18 & Gouge.
- > Two wire modes – Solid & Flux Cored.
- > Excellent MIG/FCAW arc performance.
- > Lift-Arc™ TIG with Auto-Crater™ and Auto-Stop™ and Pulse.

### AUXILIARY POWER (MR907510001-1) \*

- > 2 X 15 Amp 240 Volt Sockets.
- > 1 x 32 A 240 V 1PH 60Hz.
- > RCD Protected.

### SELF-CALIBRATING DIGITAL METERS

- > Preset and actual Amperage/Voltage.
- > Process settings.
- > Maintenance functions: hour meter, oil change interval and RPMs.

### AUTO-SPEED™ TECHNOLOGY

- > Traditional high speed welder/generators always runs at max. speed (3600 RPM) while welding. Auto-Speed technology automatically adjusts the engine speed to match your actual weld load requirements.
- > When more power is needed, the engine will automatically ramp up. By automatically varying the engine speed, fuel consumption and costs are reduced.

### SUPER-TOUGH PROTECTIVE ARMOUR WITH COVERS

High-impact resistance in all temperatures and is chemical-resistant.



\*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.

WELD. MODE	PROCESS	AMP/VOLT RANGE	RATED OUTPUT	GENERATOR POWER	DIMENSIONS (MM)	WEIGHT (WITHOUT FUEL)
CC/DC	Stick/TIG	10 - 325 A	325 A at 28 V (Petrol), 325 A at 33 V (Diesel), 100% Duty Cycle	Peak: 12,000 Watts	H: 711	209kg (Petrol model)
CV/DC	MIG/FCAW	10 - 325 V	325 A at 28 V (Petrol), 325 A at 33 V (Diesel), 100% Duty Cycle	Continuous: 9,500 Watts 40A, 240V, 60Hz	H: 832 (to top of exhaust) W: 508 D: 1029	281kg (Diesel model)

**ENGINE DRIVEN****<< SELECTION CHART**

# Big Blue® 400X Pro

Part No: MR907630-1 [CAT Diesel Engine]

**SUPERIOR ARC PERFORMANCE**

- > Four pre-set DIG settings (Stick).
- > Hot Start™ (Stick).
- > Lift-Arc™ TIG with Auto-Stop™ and Crater-out.
- > MIG/FCAW arc performance.

**QUIET OPERATION**

Improves work site communication.

**CATERPILLAR HEAVY DUTY LOW-SPEED INDUSTRIAL ENGINE**

Designed to operate for 10,000 hours before the first basic overhaul.

**METER MAINTENANCE DISPLAYS**

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

**AUXILIARY POWER\***

- > 2 X 15 Amp Sockets.
- > 1 x 32 Amp Socket.
- > RCD.

**AUTO REMOTE SENSE™**

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

**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.

**SIMPLE-TO-SET CONTROLS**

No elaborate procedure, just select process and weld!

**VRD TO CAT C AS1674.2****APPLICATIONS**

Mechanical Contractors  
Structural Steelwork  
Fabrication  
Maintenance  
Repair  
Rental  
Construction

**PROCESSES**

Stick (SMAW)  
MIG (GMAW)  
Flux Cored (FCAW)  
DC TIG (GTAW)  
Air Carbon Arc (CAC-A)  
Rated: 4.8mm (3/16 in)  
Carbons, Capable:  
6.4mm (1/4 in) Carbons

**MODEL OPTIONS****PART NO**

With VRD, Emergency Stop, Double Pole Battery Isolator & Lockout Device

MR907630-2

With VRD, Roll Frame & Spill Tray Assembly, Emergency Stop, Double Pole Battery Isolator & Lockout Device

MR907630-3

\*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.



WELD. MODE	AMP/VOLT RANGE	RATED OUTPUT	GENERATOR* POWER	DIMENSIONS (MM)	WEIGHT** (WITHOUT FUEL)
CC/DC	20 - 400 A	300A at 32 V, 100% Duty Cycle 350A at 27 V, 100% Duty Cycle	Peak: 12,000 Watts Continuous: 9,600 Watts	H: 813 W: 667 D: 1422	Net: 458kg Shipping: 481kg
CV/DC	14 - 40 V	400A at 24, 100% Duty Cycle	42 A, 240 VAC, 60 Hz		**Additional 37kg when fuel tank is full







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.**



### **AUTO REMOTE SENSE™**

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

### **STANDARD FEATURES**

- Vandal Proof Doors.
- Digital Pre-Set Weld Meters.
- Automatic Idle.
- Cold Weather Starting Aids.

### **REMOTE OIL DRAIN**

Prevents spills and makes servicing easy.

# << SELECTION CHART



## INFINITE ARC CONTROL

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

## THERMAL OVERLOAD PROTECTION

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

## 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

## METER MAINTENANCE DISPLAY

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

## LIFT-ARC TIG WITH AUTO CRATER™ & 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.

## MODEL OPTIONS

Emergency Stop, Double Pole Battery Isolator & Lockout Device  
Roll Frame & Spill Tray Assembly, Emergency Stop, Double Pole Battery Isolator & Lockout Device

## PART NO.

MR907603001-2  
MR907603001-3

## 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.

## HEAVY-DUTY LOW SPEED INDUSTRIAL DIESEL ENGINE

Designed, built and proven to operate over 10,000 hours before the first basic overhaul.

## 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.

## POLARITY CHANGE SWITCH

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

## AUXILIARY POWER\*

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

\*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.

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 V 15 V**	<b>3 Phase 380-415V, 60Hz:</b> Continuous: 15,000 Watts <b>1 Phase 240V, 60Hz:</b> Continuous: 4,000 Watts Independent of weld output	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					

\*Meets NEMA and IEC ratings. \*\*VRD voltage for Stick and sense voltage for Lift-Arc™ TIG. Built and tested to meet IEC 60974-1 standard for arc welding equipment.



ENGINE DRIVEN

# Big Blue® 700X Duo Pro

Part No: MR907520001-1 (with dual VRD) [Deutz Diesel Engine]

## Dual Operator Engine Drive with 3 Phase Power.



**MULTI-ARC WELDING IS NOW  
SIMPLER & MORE VERSATILE.**



**3 PHASE  
POWER**

### INDEPENDENT AUXILIARY GENERATOR

- One 5500 Watt peak/4000 Watt continuous 240V single phase generator, regardless of weld output.
- Second generator provides 27,000 Watts peak/20,000 Watts continuous 3 phase power (380 - 415V).

**•• 2 ARCS**

### ENCLOSED ROBUST CASE DESIGN

Protects internal components from impact and allows air flow to cool and prolong the life of the engine, while reducing sound levels.

### 700A SINGLE ARC CAPABILITY

- Two outputs can be paralleled, providing a single 700A output.
- Suitable for Arc Air Gouging or Sub Arc Process.



# << SELECTION CHART



## METER MAINTENANCE DISPLAYS

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

## REMOTE TOOL-LESS OIL DRAIN

Allows oil to be drained without getting under the engine and reduces the chance of oil spillage.

## APPLICATIONS

Mining Maintenance  
Cross Country Pipelines  
Process Piping  
Structural Steel  
Heavy Construction

## PROCESSES

Stick (SMAW)  
Flux Cored (FCAW)  
MIG (GMAW)  
DC TIG (GTAW)  
Air Carbon Arc (CAC-A)

## QUICK & EASY MAINTENANCE

Single-side access to oil level check, oil fill, oil filter, fuel filter and air cleaner.

## MODEL OPTIONS

Dual VRD, Emergency Stop, Double Pole Battery Isolator & Lockout Device

Dual VRD, Roll Frame & Spill Tray Assembly, Emergency Stop, Double Pole Battery Isolator & Lockout Device

## PART NO

MR907520001-2

MR907520001-3

## STANDARD FEATURES INCLUDE:

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

## WEATHERPROOF LEXAN® NAMEPLATE

Resists cracking and fading, and is color-coded for ease of operation.

## HEAVY-DUTY LOW SPEED INDUSTRIAL DIESEL ENGINE

Designed, built and proven to operate over 10,000 hours before the first basic overhaul.

## AUXILIARY POWER\*

- > 1 x 380 V 32 Amp Socket.
- > 2 X 240 V 15 Amp Sockets.
- > RCD.

## HOT-START™

Provides positive Stick electrode starts making it easy to start all types of electrodes, plus it works well for bead tie-ins.

## VRD TO CAT C AS1674.2.

\*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.

WELD. MODE	AMP/VOLT RANGE	RATED OUTPUT	GENERATOR* POWER	DIMENSIONS (MM)	WEIGHT** (WITHOUT FUEL)
CC/DC	40 – 800 A (Paralleled)	500 A at 40 V, 100% Duty Cycle 700 A at 28 V, 60% Duty Cycle	<b>3 Phase 380-415V, 60Hz:</b> 27,000 Watts peak 20,000 Watts continuous  <b>1 Phase 240V, 60Hz:</b> 5,500 Watts peak 4,000 Watts continuous  Independent of weld output	H: 1092 H: 1270 (to top of exhaust) W: 724 D: 1654	Net: 784kg Shipping: 799kg **Additional 86kg when fuel tank is full
	20 – 400 A (Each Side)	300 A at 32 V, 100% Duty Cycle (Each Side) 400 A at 36 V, 40% Duty Cycle (One Side only)			
CV/DC	14 – 40 V (Paralleled)	500 A at 39 V, 100% Duty Cycle 700 A at 28 V, 60% Duty Cycle			
	14 – 40 V (Each Side)	300 A at 29 V, 100% Duty Cycle (Each Side) 400 A at 34 V, 40% Duty Cycle (One Side only)			

# 800X Duo Air Pak™

**DUAL OPERATOR**

**CUT CAPITAL INVESTMENT**

**THREE PHASE POWER**

**CUT RUNNING COSTS**



**SEE HOW YOU  
CAN SAVE 6 WAYS  
WITH THE 800X  
DUO AIR PAK!**



# Get the Advantage

## THREE PHASE POWER

Run lighting and tools onsite or an XMT Inverter giving you three arcs up to 260 Amps each.

## DUAL OPERATOR

Two independent arcs, with up to 400 Amps each. Now two operators can work off one power source.

## SERIOUS POWER

- > 800 Amps of weld output.
- > 27,000 Watts of three phase, 415V power (dependent of weld output).
- > 5,500 Watts of single phase, 240V power (independent of weld output).

## DEUTZ TURBOCHARGED ENGINE

Consumes as little as 1.4 L/hour at idle speed.

## INGERSOLL RAND COMPRESSOR

Ultra-reliable Ingersoll Rand industrial rotary screw compressor has a life expectancy of 30,000 hours, resulting in longer service intervals.

## LOWER CAPITAL INVESTMENT

Cut initial capital investment costs in half by reducing the number of engine drives in a standard fleet.

## VANDAL PROOF DOORS

For onsite security.

## INFINITE ARC CONTROL

Change the arc characteristics for specific applications in Stick, MIG and FCAW.

## MINE SPEC

Reduce mine spec modification costs. Optional mine spec package includes: double polarity battery isolator, 'E' stop, bash frame and spill tray.

## LOWER RUNNING COSTS

A dual operator engine drive cuts running costs:

- > Engine Servicing
- > Fuel
- > Compressor Servicing
- > Compliance Testing





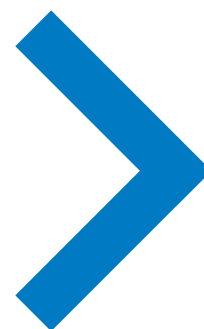
ENGINE DRIVEN

# Big Blue® 800X Duo Air Pak™

Part No: MR907536-1 [with VRD]

## Better Than Ever!

### A COMPLETE MOBILE WELDING, AIR & POWER WORKSHOP FOR ON-SITE MAINTENANCE & FABRICATION.



3 PHASE POWER

•• 2 ARCS



AIR



#### DEUTZ 2011 L04I - HEAVY-DUTY LOW SPEED INDUSTRIAL DIESEL ENGINE

Designed, built and proven to operate over 10,000 hours before the first basic overhaul.

#### STANDARD FEATURES

- > Digital weld meters.
- > Automatic idle.
- > 120 V block heater.
- > Lockout/tagout battery disconnect switch.

#### AUTO REMOTE SENSE™

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

#### VRD STANDARD (CAT.C AS1674.2)

Reduces the open-circuit Voltage to 15 Volts when the welding power source is not in use, increasing operator safety without compromising arc starts.

#### INFINITE ARC CONTROL

Infinite arc control allows the arc characteristics to be changed for specific applications in Stick, MIG and FCAW.

#### THERMAL OVERLOAD PROTECTION

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

#### MORE POWER

33 percent increase in rated output equals 800 Amps of weld power and 27,000 watts of generator power.

#### AUXILIARY POWER\*

- > 1 x 380 V 32 Amp Socket.
- > 2 X 240 V 15 Amp Sockets.
- > RCD.

# << SELECTION CHART



## 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.
- > Remote oil drain for engine and compressor prevents spills and makes servicing easy.
- > Electronic engine display simultaneously displays fuel level, engine hours, coolant temperature, oil pressure, battery Volts, engine RPM, air pressure, and compressor hours.
- > Tracks oil change intervals and displays engine diagnostics for quick and easy servicing.

## MULTI-ARC WELDING

- > One dependable engine — two independent arcs with up to 400 Amps each. Or plug in an additional inverter for a true multi operator work platform!
- > **Example:** One additional XMT equals 3 operators, up to 240 Amps each. Premium quality arcs allow operators to work independently with no arc interaction. Multi operator welding has never been easier or more versatile.

*\*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.*

MODEL OPTIONS & UPGRADE PACKAGES	PART NO
<b>Standard Machine Package</b> - Dual VRD	MR907536-1
<b>Basic Upgrade Package</b> - Dual VRD, Emergency Stop, Double Pole Battery Isolator & Lockout Device	MR907536-2
<b>Full Upgrade Package</b> - Dual VRD, Roll Frame & Spill Tray Assembly, Emergency Stop, Double Pole Battery Isolator & Lockout Device	MR907536-3

## PROCESSES

Stick (SMAW)  
MIG (GMAW)  
Flux-Cored (FCAW)  
DC TIG (GTAW)  
Submerged Arc (SAW)  
Air Carbon Arc (CAC-A)  
Air Plasma Cutting and Gouging  
Compressed Air

## APPLICATIONS

Mining Maintenance  
Railroad Maintenance  
Maintenance and Repair



Roll Frame included in the MR907536-3 package

WELD MODE	OUTPUT MODE	WELD OUTPUT RANGE	WELD OUTPUT RATED AT 104° F (40° C)	MAX OPEN CIRCUIT VOLTAGE	GENERATOR POWER* OUTPUT RATED AT 104° F (40° C)	SOUND LEVELS AT 23 FT. (7M)	DIMENSIONS (MM)	WEIGHT** (WITHOUT FUEL)
CC/DC (Stick/TIG)	Separate (Dual Outputs)	20 – 400 A	400 A at 36 V, 100% Duty Cycle (Each Side)	85 VDC 15 VDC (VRD)	<b>3 Phase 380-415V, 60Hz:</b> 27,000 Watts peak, 20,000 Watts continuous  <b>1 Phase 240V, 60Hz:</b> 5,500 Watts peak, 4,000 Watts continuous  Independent of weld output.	<b>Idle:</b> 73.0 dB (97.8 Lwa), 77.2 dB at one meter from front panel  <b>Weld (800 A Load):</b> 81.7 dB (106.5 Lwa), 84.4 dB at one meter from front panel	H: 1194 H: 1397 (top of exhaust) W: 724 D: 1765	Net: 968.4kg Ship: 991.6kg  **Additional: 75kg when fuel tank is full
	Paralleled (Combined)	40 – 800 A	700 A at 44 V, 100% Duty Cycle 800 A at 38 V, 100% Duty Cycle					
CV/DC (MIG/FCAW)	Separate (Dual Outputs)	14 – 40 V	400 A at 34 V, 100% Duty Cycle (Each Side)					
	Paralleled (Combined)	14 – 40 V	750 A at 40 V, 100% Duty Cycle 800 A at 38 V, 100% Duty Cycle					





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Trusted by the best



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