Engine Driven Machines PACKED WITH POWER!
Packed with Power.

MILLER ENGINE DRIVEN MACHINES DELIVER IN MORE WAYS THAN ONE!
# Get the Advantage.

<table>
<thead>
<tr>
<th><strong>1.</strong> PACKED WITH POWER</th>
<th><strong>4.</strong> FOR SITE WORK &amp; REMOTE APPLICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Miller Engine Driven machines are packed with power and designed to deliver.</td>
<td>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.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>2.</strong> DESIGNED TO LAST</th>
<th><strong>5.</strong> LOWER CAPITAL INVESTMENT &amp; RUNNING COSTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Miller’s Engine Driven machines are designed to run hours and hours continuously, and won’t let you down.</td>
<td>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.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>3.</strong> BUILT TOUGH FOR MAJOR PROJECTS</th>
<th><strong>6.</strong> RELIABILITY SECOND TO NONE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Built tough, Miller Engine Drive machines are used world over on major projects across various industry sectors.</td>
<td>Backed by a 3 year warranty and Australia wide service network, every Miller machine can be relied on to deliver!</td>
</tr>
</tbody>
</table>
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.

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

<table>
<thead>
<tr>
<th>ENGINE BRAND &amp; WARRANTY</th>
<th>HP</th>
<th>TYPE</th>
<th>WELD SPEED</th>
<th>IDLE SPEED</th>
<th>FUEL CAPACITY</th>
<th>OIL CAPACITY</th>
<th>STANDARD SHUTDOWNS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kohler: 3-year Manufacturer’s Warranty</td>
<td>23 HP</td>
<td>Twin-cylinder, four-cycle overhead valve, industrial air-cooled, gasoline (carburettor)</td>
<td>3600 RPM</td>
<td>2300 RPM</td>
<td>45 L</td>
<td>1.4 L</td>
<td>Low Oil Pressure</td>
</tr>
</tbody>
</table>

#### BOBCAT 250 DIESEL

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

#### TRAILBLAZER 325 (PETROL)

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

#### TRAILBLAZER 325 (DIESEL)

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

#### BIG BLUE 400X PRO

<table>
<thead>
<tr>
<th>ENGINE BRAND &amp; WARRANTY</th>
<th>HP</th>
<th>TYPE</th>
<th>FEATURES</th>
<th>ENGINE SPEEDS</th>
<th>CAPACITIES</th>
<th>AUTOMATIC ENGINE SHUTDOWN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Caterpillar C1.5 Water-Cooled Three-Cylinder 21.7 HP Diesel Engine</td>
<td>21.7 HP</td>
<td>3-cylinder, industrial liquid-cooled, diesel</td>
<td>EPA Tier 4i compliant, indirect-injected, liquid-cooled engine. Right-side service access with intervals of 250 hrs for oil and filters.</td>
<td>1950 RPM Weld</td>
<td>Fuel: 43.5 L  Oil: 5.7 L  Coolant: 5.7 L</td>
<td>Low Oil Pressure, High Coolant Temperature, Low Fuel Level</td>
</tr>
</tbody>
</table>
### BIG BLUE 500X PRO

<table>
<thead>
<tr>
<th>ENGINE BRAND &amp; WARRANTY</th>
<th>HP</th>
<th>TYPE</th>
<th>FEATURES</th>
<th>ENGINE SPEEDS</th>
<th>CAPACITIES</th>
<th>AUTOMATIC ENGINE SHUTDOWN</th>
</tr>
</thead>
</table>

### BIG BLUE 700X DUO PRO

<table>
<thead>
<tr>
<th>ENGINE BRAND &amp; WARRANTY</th>
<th>HP</th>
<th>TYPE</th>
<th>FEATURES</th>
<th>ENGINE SPEEDS</th>
<th>CAPACITIES</th>
<th>AUTOMATIC ENGINE SHUTDOWN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deutz D2011L04i</td>
<td>48.6</td>
<td>Direct-injected four-cylinder, air/oil cooled industrial diesel</td>
<td>EPA Tier 4i Compliant</td>
<td>Idle: 1350 RPM, Weld: 1800 RPM</td>
<td>Fuel: 95 L, Oil: 8.5 L, Coolant: Integrated Oil</td>
<td>Low Oil Pressure, High Coolant Temperature, Low Fuel Level</td>
</tr>
</tbody>
</table>

### BIG BLUE 800X DUO AIR PAK

<table>
<thead>
<tr>
<th>ENGINE BRAND &amp; WARRANTY</th>
<th>HP</th>
<th>TYPE</th>
<th>FEATURES</th>
<th>ENGINE SPEEDS</th>
<th>CAPACITIES</th>
<th>AUTOMATIC ENGINE SHUTDOWN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deutz TD2011L04w</td>
<td>63.4</td>
<td>Turbo-charged four-cylinder, liquid-cooled industrial diesel</td>
<td>EPA Tier 4i Compliant</td>
<td>Idle: 1350 RPM, Weld: 1800 RPM</td>
<td>Fuel: 95 L, Oil: 10.4 L, Coolant: Integrated Oil</td>
<td>Low Oil Pressure, High Coolant Temperature, Low Fuel Level</td>
</tr>
</tbody>
</table>

### COMPRESSOR BRAND

<table>
<thead>
<tr>
<th>FEATURES</th>
<th>FREE AIR DELIVERY AT 1850 RPM</th>
<th>FREE AIR DELIVERY AT 1235 RPM</th>
<th>WORKING PRESSURE CONSTANT</th>
<th>DUTY CYCLE</th>
<th>OIL CAPACITY</th>
<th>AUTOMATIC COMPRESSOR SHUTDOWNS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rotary screw with electric clutch for on/off. Oil change intervals 500 hrs (same as engine). Life expectancy 30,000 hrs.</td>
<td>60 cfm (1.70 m³/min)</td>
<td>40 cfm (1.13 m³/min) Idie</td>
<td>100 PSIG 7 bar</td>
<td>100%</td>
<td>3.79 L</td>
<td>Oil Temperature</td>
</tr>
</tbody>
</table>
## Selection Chart

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

* Optional wirefeeder required
Capability ● Designed for this process
Bobcat 250
Part No: MR907500001-1 [Kohler Petrol Engine]

Designed for Reliability
QUIETER, SMALLER & LIGHTER THAN EVER.

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.
## 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)

## WELDING MODE

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

## 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.

## 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

## 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.
Bobcat 250

Part No: MR907565-1 [Kubota Diesel Engine], MR907565001-2 (with VRD) [Kubota Diesel Engine]

QUIETER, SMALLER & LIGHTER THAN EVER.

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.

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.

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

APPLICATIONS
- Maintenance
- Repair
- Rural
- Fabrication
- Structural Steel Work
- Stand-Alone Generator

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

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- Rural
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- Structural Steel Work
- Stand-Alone Generator

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.
## 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.

**4-Pole 3 Phase Welding Generator**
Utilises a 4-pole, 3-phase generator to produce the best welding arc.

**Self-Calibrating Digital Meters**
- Preset and actual Amperage/Voltage.
- Process settings.
- Maintenance functions: hour meter, oil change interval and RPMs.

**Super-Tough Protective Armour with Covers**
High-impact resistance in all temperatures and is chemical-resistant.

### 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)

### 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.

### 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.

### Auxiliary Power (MR907510001-1)*
- 2 x 15 Amp 240 Volt Sockets.
- 1 x 32 A 240 V 1PH 60Hz.
- RCD Protected.

### Welding Table

<table>
<thead>
<tr>
<th>Mode</th>
<th>Process</th>
<th>Amp/Volt Range</th>
<th>Rated Output</th>
<th>Generator Power</th>
<th>Dimensions (MM)</th>
<th>Weight (Without Fuel)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CC/DC</td>
<td>Stick/TIG</td>
<td>10 - 325 A</td>
<td>325 A at 28 V (Petrol), 325 A at 33 V (Diesel), 100% Duty Cycle</td>
<td>Peak: 12,000 Watts</td>
<td>Continuous: 9,500 Watts</td>
<td>209kg (Petrol model)</td>
</tr>
<tr>
<td>CV/DC</td>
<td>MIG/FCAW</td>
<td>10 - 325 V</td>
<td>325 A at 28 V (Petrol), 325 A at 33 V (Diesel), 100% Duty Cycle</td>
<td>40A, 240V, 60Hz</td>
<td>214kg (Diesel model)</td>
<td></td>
</tr>
</tbody>
</table>

*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.
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.

**AUXILIARY POWER***
- 2 X 15 Amp Sockets.
- 1 x 32 Amp Socket.
- RCD.

**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)
  - Capable: 6.4mm (1/4 in) Carbons

**MODEL OPTIONS**

<table>
<thead>
<tr>
<th>MODEL OPTIONS</th>
<th>PART NO</th>
</tr>
</thead>
<tbody>
<tr>
<td>With VRD, Emergency Stop, Double Pole Battery Isolator &amp; Lockout Device</td>
<td>MR907630-2</td>
</tr>
<tr>
<td>With VRD, Roll Frame &amp; Spill Tray Assembly, Emergency Stop, Double Pole Battery Isolator &amp; Lockout Device</td>
<td>MR907630-3</td>
</tr>
</tbody>
</table>

**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.

**QUIET OPERATION**
Improves work site communication.

**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!

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

**VRD TO CAT C AS1674.2**

**WELD MODE** | **AMP/Volt RANGE** | **RATED OUTPUT** | **GENERATOR POWER** | **DIMENSIONS (MM)** | **WEIGHT** |
<table>
<thead>
<tr>
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<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>CC/DC</td>
<td>20 - 400 A</td>
<td>300A at 32 V, 100% Duty Cycle 350A at 27 V, 100% Duty Cycle 400A at 24, 100% Duty Cycle</td>
<td>Peak: 12,000 Watts Continuous: 9,600 Watts 42 A, 240 VAC, 60 Hz</td>
<td>H: 813 W: 667 D: 1422</td>
<td>Net: 458kg Shipping: 481kg <strong>Additional 37kg when fuel tank is full</strong></td>
</tr>
<tr>
<td>CV/DC</td>
<td>14 - 40 V</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*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.
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.
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

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.

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.

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.

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.

MODEL OPTIONS

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

Variations

Flexible exhaust pipe...

<table>
<thead>
<tr>
<th>WELDING MODE/PROCESS</th>
<th>AMP/VOLT RANGE</th>
<th>WELD OUTPUT</th>
<th>MAX OPEN-CIRCUIT VOLTAGE</th>
<th>GENERATOR POWER OUTPUT</th>
<th>DIMENSIONS (MM)</th>
<th>WEIGHT*** (WITHOUT FUEL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CC/DC (Stick/TIG)</td>
<td>20 - 500 A</td>
<td>400 A at 36 V, 100% Duty Cycle* 450 A at 33 V, 60% Duty Cycle 500 A at 30 V, 40% Duty Cycle</td>
<td>92 V 15 V**</td>
<td>3 Phase 380-415V, 60Hz: Continuous: 15,000 Watts 1 Phase 240V, 60Hz: Continuous: 4,000 Watts Independent of weld output</td>
<td>H: 1067 W: 724 D: 1654 Add 191mm to heights for exhaust pipe</td>
<td>Net:703kg Shipping: 726kg **Additional 75kg when fuel tank is full</td>
</tr>
<tr>
<td>CV/DC (MIG/FCAW)</td>
<td>14 - 40 V</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*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.

*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.
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.

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).

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.
**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.

**Quick & Easy Maintenance**
Single-side access to oil level check, oil fill, oil filter, fuel filter and air cleaner.

**Weatherproof Lexan® Nameplate**
Resists cracking and fading, and is color-coded for ease of operation.

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

**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)

**Model Options**

<table>
<thead>
<tr>
<th>MODEL OPTIONS</th>
<th>PART NO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dual VRD, Emergency Stop, Double Pole Battery Isolator &amp; Lockout Device</td>
<td>MR907520001-2</td>
</tr>
<tr>
<td>Dual VRD, Roll Frame &amp; Spill Tray Assembly, Emergency Stop, Double Pole Battery Isolator &amp; Lockout Device</td>
<td>MR907520001-3</td>
</tr>
</tbody>
</table>

**Applications**
- 1 x 380 V
- 2 X 240 V
- 15 Amp Sockets.
- RCD.

**Heavy-duty low speed industrial diesel engine**
Designed, built and proven to operate over 10,000 hours before the first basic overhaul.

**Auxiliary Power**
- 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.

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

**VRD to Cat C AS1674.2.**

---

**Selection Chart**

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

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.

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

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

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

STANDARD FEATURES
› Digital weld meters.
› Automatic idle.
› 120 V block heater.
› Lockout/tagout battery disconnect 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.

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

AUXILIARY POWER*
› 1 x 380 V 32 Amp Socket.
› 2 x 240 V 15 Amp Sockets.
› RCD.
### 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.

### MODEL OPTIONS & UPGRADE PACKAGES

<table>
<thead>
<tr>
<th>Part No</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MR907536-1</td>
<td>Standard Machine Package - Dual VRD</td>
</tr>
<tr>
<td>MR907536-2</td>
<td>Basic Upgrade Package - Dual VRD, Emergency Stop, Double Pole Battery Isolator &amp; Lockout Device</td>
</tr>
<tr>
<td>MR907536-3</td>
<td>Full Upgrade Package - Dual VRD, Roll Frame &amp; Spill Tray Assembly, Emergency Stop, Double Pole Battery Isolator &amp; Lockout Device</td>
</tr>
</tbody>
</table>

### PROCESSES
- Stick (SMAW)
- MIG (GMAW)
- Flux-Core (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

### 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**

<table>
<thead>
<tr>
<th>CC/DC (Stick/TIG)</th>
<th>Separate (Dual Outputs)</th>
<th>20 – 400 A</th>
<th>400 A at 36 V, 100% Duty Cycle (Each Side)</th>
<th>85 VDC</th>
<th>15 VDC (VRD)</th>
<th>3 Phase 380-415V, 60Hz: 27,000 Watts peak, 20,000 Watts continuous <strong>Idle:</strong> 73.0 dB, 97.8 Lwa, 77.2 dB at one meter from front panel <strong>Weld (800 A Load):</strong> 81.7 dB (106.5 Lwa), 84.4 dB at one meter from front panel</th>
<th><strong>Dimensions:</strong> H: 1194 W: 724 D: 1765 <strong>Net:</strong> 968.4kg</th>
<th><strong>Ship:</strong> 991.6kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>CV/DC (MIG/FCAW)</td>
<td>Separate (Dual Outputs)</td>
<td>14 – 40 V</td>
<td>400 A at 34 V, 100% Duty Cycle (Each Side)</td>
<td></td>
<td></td>
<td><strong>Example:</strong> 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.</td>
<td><strong>Dimensions:</strong> H: 1194 W: 724 D: 1765 <strong>Net:</strong> 968.4kg</td>
<td><strong>Ship:</strong> 991.6kg</td>
</tr>
<tr>
<td></td>
<td>Paralleled (Combined)</td>
<td>40 – 800 A</td>
<td>700 A at 44 V, 100% Duty Cycle 800 A at 38 V, 100% Duty Cycle</td>
<td></td>
<td></td>
<td><strong>Example:</strong> 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.</td>
<td><strong>Dimensions:</strong> H: 1194 W: 724 D: 1765 <strong>Net:</strong> 968.4kg</td>
<td><strong>Ship:</strong> 991.6kg</td>
</tr>
</tbody>
</table>

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**Roll Frame included in the MR907536-3 package**