



Product Range 2013



Trusted by the best

welding.com.au
1300 300 884



Quality Products & Cutting Edge Technology.

From heavy duty engine drives to high precision TIG machines, the Miller range delivers welding solutions that are cost-effective, innovative, and contribute to enhanced productivity for your business or workshop. You can rely on Miller to deliver products capable of taking on the toughest welding environments and offering complete reliability wherever the job is, be it on a mining site, or in the pits of a V8 team.

Miller products are backed by the True Blue warranty, covering parts and labour, and supported by an Australia wide service network.



More info > welding.com.au



HOBART

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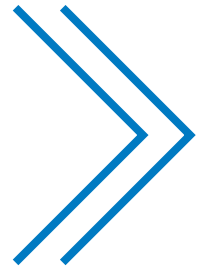


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Engine Driven



PRODUCT	PROCESS							STD. GENERATOR POWER - WATTS (PEAK)	WELDING OUTPUT RANGE	ENGINE	VRD	RCD	FITTINGS (240 V)	TYPICAL APPLICATIONS
	STICK	MIG	FLUX CORED*	AC TIG	DC TIG	PAC**	CAC-A							
Bobcat 250 (Petrol)	●	○	●	○	●	●	3/16" (4.8 mm)	11,000	40 - 250 AC 40 - 250 DC 17 - 28 CV	Kohler Petrol (Twin Cylinder)			2 x 15 Amp Sockets, 1 x 50 Amp Hubbell	Fabrication, Maintenance, Rural, Construction
Bobcat 250 (Diesel)	●	○	●	○	●	●	3/16" (4.8 mm)	11,000	40 - 250 AC 40 - 250 DC 17 - 28 CV	Kubota Diesel (3 Cylinder)		●	2 x 15 Amp Sockets, 1 x 50 Amp Hubbell	Fabrication, Structural, Maintenance, Repair, Piping
Trailblazer 325 (Petrol)	●	●	●	○	●	●	3/16" (4.8 mm)	12,000	10 - 325 DC 10 - 35 CV	Kohler Petrol (Twin Cylinder)	Opt		2 x 15 Amp Sockets, 1 x 50 Amp Hubbell	Fabrication, Maintenance, Rural, Construction
Big Blue 400X	●	●	●		●	●	1/4" (6mm)	12,000	20 - 410 DC 14 - 40 CV	CAT Diesel (3 Cylinder)	●	●	2 x 15 Amp Sockets, 1 x 32 Amp Socket	Fabrication, Maintenance, Structural, Construction
Big Blue 600X	●	●	●		●	●	3/8" (9.5 mm)	5,500	20 - 600 DC 14 - 40 CV	Deutz Diesel (4 Cylinder)	●	●	2 x 15 Amp Sockets	Construction, Structural, Maintenance
Big Blue Air Pak	●	●	●		●	●	1/2" (13 mm)	5,500	20 - 750 DC 14 - 40 CV	Deutz Diesel (4 Cylinder)	●	●	2 x 15 Amp Sockets	Construction, Mining, Maintenance, Railroad
Big Blue 700X Duo Pro	●	●	●		●	●	1/2" (13 mm)	1PH=19kW 3PH=27kW	Paralleled 40 - 800A Each Side 20 - 400A	Deutz Diesel (4 Cylinder)	●	●	2 x 15 Amp 240V 1PH, 1 x 32 Amp 380V 3PH	Construction, Pipeline Mining, Maintenance, Railroad

* If using self-shielded wire, use CV weld output ** Plasma Arc Cutting, with appropriate Spectrum models
 Capability ● Designed for this process ○ Capable of this process



ENGINE DRIVEN

Bobcat 250




Part No: MR907500001-1 [Kohler Petrol Engine]



REDESIGNED

QUIETER. SMALLER. LIGHTER.

Up to
33%
Sound
Reduction

IMPROVED! 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.



12^{cm}
Shorter
Up to
24^{kg}
Lighter

IMPROVED! 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

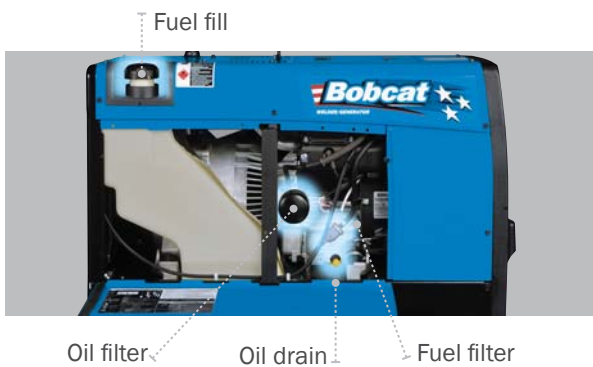
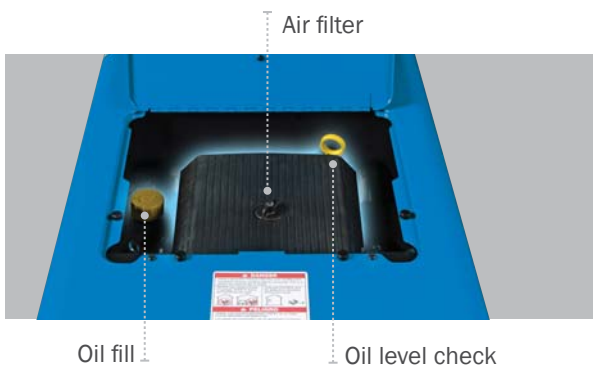
Exclusive engine and generator packaging design operates cooler and more efficiently. The engine is rotated towards the front to create more efficient airflow. More efficient airflow and exclusive engine location are significant contributors to reduced sound level and size. Hot air recirculation is eliminated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



IMPROVED! 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.



APPLICATIONS	PROCESSES
Maintenance	Stick (SMAW)
Repair	Flux-Cored (FCAW)
Rural	MIG (GMAW)
Fabrication	DC TIG (GTAW)
Structural Steel Work	Non-Critical AC TIG (GTAW)
Stand-Alone Generator	Air Carbon Arc (CAC-A)
	Cutting and Gouging (4.8mm carbons)
	Air Plasma Cutting and Gouging with Optional Spectrum Models

LONG RUNTIMES

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

VERSATILE AC AND 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

AUXILIARY OUTPUT

- > 2 X 15 Amp Sockets.
- > 1 x 50 Amp Hubbell.

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.

3 YEAR WARRANTY

Welder/generator is warranted by Miller for 3 years, parts and labour. For details, refer to Miller's True Blue warranty statement. Engine is warranted separately by engine manufacturer.

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 44 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

Bobcat 250



Part No: MR907565001-1 [Kubota Diesel Engine]



NEW MODEL. SMALLER & LIGHTER DESIGN.



IMPROVED! SMALLER & LIGHTER DESIGN

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

IMPROVED! EASIER MAINTENANCE

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

LONG RUNTIMES

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

VERSATILE AC AND 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.

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.

MULTI-PROCESS CAPABILITY

MIG, Stick, DC, AC, TIG.

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.

APPLICATIONS

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

PROCESSES

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

AUXILIARY OUTPUT

- > 2 X 15 Amp Sockets.
- > 1 X 50 Amp Hubbell.

3 YEAR WARRANTY

Welder/generator is warranted by Miller for 3 years, parts and labour. For details, refer to Miller's True Blue warranty statement. Engine is warranted separately by engine manufacturer.



WELDING 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	44 A, 240 VAC, 60 Hz		



ENGINE DRIVEN

Trailblazer 325



Part No: MR907510001-1 [Kohler Petrol Engine]

Part No: MR907548001-1 [Kubota Diesel Engine]

Part No: MR907548001-2 [VRD]

NEW PETROL MODEL - NOW 49KG LIGHTER.

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.

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

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 run at maximum 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.

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)
- Air Carbon Arc (CAC-A)
- Air Plasma Cutting and Gouging with Optional Spectrum Models

SUPER-TOUGH PROTECTIVE ARMOUR WITH COVERS

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

AUXILIARY POWER (MR907510001-1)

- > 2 X 15 Amp Sockets.
- > 1 X 50 Amp Hubbell.

3 YEAR WARRANTY

Welder/generator is warranted by Miller for 3 years, parts and labour. For details, refer to Miller's True Blue warranty statement. Engine is warranted separately by engine manufacturer.



WELDING 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, 100% Duty Cycle	Peak: 12,000 Watts	H: 711	209kg
CV/DC	MIG/FCAW	10 - 35 V	325 A at 28 V, 100% Duty Cycle	Continuous: 10,500 Watts 240A, 60Hz	H: 832 (to top of exhaust) W: 508 D: 1029	



ENGINE DRIVEN

Big Blue 400X



Part No: MR907144002-1 [CAT Diesel Engine]



DESIGNED FOR THE PROFESSIONAL. EASY TO USE, RELIABLE & FUEL EFFICIENT.

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.

AUTO REMOTE SENSE™

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

QUIET OPERATION

Improves work site communication.

SIMPLE-TO-SET CONTROLS

No elaborate procedure, just select process and weld!

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.

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.

VRD TO CAT C AS1674.2

3 YEAR WARRANTY

Welder/generator is warranted by Miller for 3 years, parts and labour. For details, refer to Miller's True Blue warranty statement. Engine is warranted separately by engine manufacturer.

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
- Air Plasma Cutting and Gouging with Optional Spectrum Models



WELDING MODE	AMP/VOLT RANGE	RATED OUTPUT	GENERATOR POWER	DIMENSIONS (MM)	WEIGHT* (WITHOUT FUEL)
CC/DC	20 - 410 A	400A at 30V, 30% Duty Cycle 300A at 32V, 60% Duty Cycle	Peak: 12,000 Watts	H: 813 W: 667 D: 1422	Net: 449kg Shipping: 522kg
CV/DC	14 - 40 V		Continuous: 10,000 Watts 42 A, 240 VAC, 60 Hz		*Additional 37kg when fuel tank is full



ENGINE DRIVEN

Big Blue 600X



Part No: MR907192-1 [Deutz Diesel Engine]



DESIGNED FOR FLEET OWNERS THAT DEMAND THE ULTIMATE IN RELIABILITY.

THREE-PHASE ROTATING FIELD

Efficiently produces smooth DC weld output using 20 - 30% less fuel than a rotating armature-type DC generator.

ENCLOSED ROBUST CASE DESIGN

Protects internal components from impact and allows air flow to cool and prolong the life of the engine. Also reduces sound levels.

ARC-DRIVE™

Automatically enhances Stick welding, especially on pipe, by focusing the arc and preventing the electrode from going out.

HOT-START™

Provides positive Stick electrode starts making it easy to start all types of electrodes and it also works great for bead tie-ins.

REMOTE TOOL-LESS OIL DRAIN

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

QUICK AND EASY MAINTENANCE

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

HEAVY-DUTY LOW SPEED INDUSTRIAL DIESEL ENGINE

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

WEATHERPROOF LEXAN® NAMEPLATE

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

AUXILIARY POWER

- > 2 X 15 Amp Sockets.
- > RCD.

VRD TO CAT C AS1674.2

APPLICATIONS

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

PROCESSES

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

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.

3 YEAR WARRANTY

Welder/generator is warranted by Miller for 3 years, parts and labour. For details, refer to Miller's True Blue warranty statement. Engine is warranted separately by engine manufacturer.



WELDING MODE	AMP/VOLT RANGE	RATED OUTPUT	GENERATOR POWER	DIMENSIONS (MM)	WEIGHT* (WITHOUT FUEL)
CC/CV/DC	20 - 600 A	500 A at 25 V, (20 kW), 100% Duty Cycle 550 A at 34 V, (18.7 kW) 60% Duty Cycle 600 A at 30 V, (18 kW), 40% Duty Cycle	Peak: 5,500 Watts Continuous: 4,000 Watts 17 A, 240 VAC, 60 Hz	H: 1092 W: 724 D: 1654	Shipping: 769kg *Additional 86kg when fuel tank is full



ENGINE DRIVEN

Big Blue[®] Air Pak[™]



Part No: MR907062011-1 [Deutz Diesel Engine] [VRD < 1 sec]

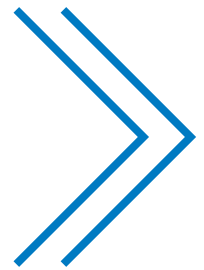
Part No: MR907062011-4 [Deutz Diesel Engine] [VRD < 300 m sec]

Part No: MR907062011-5 [Deutz Diesel Engine] [No VRD]



Weld. Air. Power.

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



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.



ULTRA-RELIABLE INDUSTRIAL ROTARY SCREW AIR COMPRESSOR
Belt-driven with automatic belt tensioner with a life expectancy of 30,000 hours.



**WELDER/GENERATOR/
AIR COMPRESSOR**

Provides a go anywhere solution for field jobs requiring welding, gouging or cutting, compressed air and AC power generation.

**INDEPENDENT
COMPRESSOR
CONTROLS**

On/off switch for applications not requiring compressed air. At idle speed will produce 100 PSI at 40 CFM.

**ENCLOSED ROBUST
CASE DESIGN**

Protects internal components from impact and allows air flow to cool and prolong the life of the engine. Also reduces sound levels.

**WEATHERPROOF
LEXAN® NAMEPLATE**

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

LOW MAINTENANCE

Easy single-side access to engine and 500 hour oil changes for both engine and compressor.

QUIET OPERATOR

At only 70 dB (95 Lwa) when idle, 79 dB (104 Lwa) at maximum output. Improves work site communications.

**HEAVY DUTY LOW-
SPEED INDUSTRIAL
TURBOCHARGED
DIESEL ENGINE**

Provides ample power at high altitudes.

**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.

HOT START™

Provides positive Stick electrode starts to make it easy to start all types of electrodes.

ARC-DRIVE™

Automatically enhances Stick welding, especially on pipe, by focusing the arc and preventing the electrode from going out.

**LOW OCV – VOLTAGE
REDUCTION DEVICE**

Provides open circuit voltage below 35 Volts for increased operator safety.

**INDEPENDENT
GENERATOR POWER**

4000 Watts of continuous output for lighting and power tools, even while welding at 500 Amps.

AUXILIARY OUTPUT

- > 2 X 240 Volt Sockets.
- > RCD.

VRD TO CAT C AS1674.2

3 YEAR WARRANTY

Welder/generator is warranted by Miller for 3 years, parts and labour. For details, refer to Miller’s True Blue warranty statement. Engine is warranted separately by engine manufacturer.

APPLICATIONS

- Mining Maintenance
- Railroad Maintenance
- Maintenance & Repair Rigs

PROCESSES

- DC Stick (SMAW)
- MIG (GMAW)
- Flux Cored (FCAW)
- DC TIG (GTAW)
- Submerged Arc (SAW)
- Stud Welding
- 1/2 in (13mm)
- Air Carbon Arc (CAC-A)
- 1/2 in (12.7mm)
- Carbons
- Air Compressor

WELDING MODE	AMP/VOLT RANGE	RATED OUTPUT	GENERATOR POWER	DIMENSIONS (MM)	WEIGHT (WITHOUT FUEL)
CC/DC	20 - 750 A	600 A at 44 V, (26.4 kW), 40% Duty Cycle 550 A at 42 V, (23.1 kW) 60% Duty Cycle 500 A at 40 V, (20 kW), 100% Duty Cycle	Peak: 5,500 Watts Continuous: 4,000 Watts 17 A, 240 VAC, 60 Hz while welding	H: 1092 W: 724 D: 1654	Net: 876kg Shipping: 899kg
CV/DC	14 - 40 V	500 A at 40 V, (20 kW), 100% Duty Cycle			



ENGINE DRIVEN

Big Blue 700X Duo Pro



Part No: MR907520001-1 [Deutz Diesel Engine]

Miller's First Engine Drive with 3 Phase Power is Here!

MULTI-ARC WELDING IS NOW SIMPLER & MORE VERSATILE.



3 PHASE POWER



2 ARCS

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).

700A SINGLE ARC CAPABILITY

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

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.

HOT-START™

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

QUICK AND EASY MAINTENANCE

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



REMOTE TOOL-LESS OIL DRAIN

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

HEAVY-DUTY LOW SPEED INDUSTRIAL DIESEL ENGINE

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

WEATHERPROOF LEXAN® NAMEPLATE

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

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.

STANDARD FEATURES INCLUDE:

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

AUXILIARY POWER

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

VRD TO CAT C AS1674.2.

3 YEAR WARRANTY

Welder/generator is warranted by Miller for 3 years, parts and labour. For details, refer to Miller’s True Blue warranty statement. Engine is warranted separately by engine manufacturer.

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)

WELDING MODE	AMP/VOLT RANGE	RATED OUTPUT	GENERATOR POWER	DIMENSIONS (MM)	WEIGHT* (WITHOUT FUEL)
CC/DC	40 – 800 A (Paralleled)	500 A at 40 VDC, 100% Duty Cycle 700 A at 28 VDC, 60% Duty Cycle	Peak: 5500 Watts Continuous: 4000 Watts	H: 1092 mm H: 1270 mm (to top of exhaust) W: 724 mm D: 1654 mm	Net: 784kg Shipping: 799kg <i>*Additional 86kg when fuel tank is full.</i>
	20 – 400 A (Each Side)	300 A at 32 VDC, 100% Duty Cycle (Each Side) 400 A at 36 VDC, 40% Duty Cycle (One Side only)			
CV/DC	14 – 40 V (Paralleled)	500 A at 39 VDC, 100% Duty Cycle 700 A at 28 VDC, 60% Duty Cycle	Additional Generator Power for Deluxe Models Three-phase: 27 kW Peak/20 kW Continuous or Single-Phase: 19 kW Peak/12 kW Continuous		
	14 – 40 V (Each Side)	300 A at 29 VDC, 100% Duty Cycle (Each Side) 400 A at 34 VDC, 40% Duty Cycle (One Side only)			



ARC & TIG



PRODUCT	PROCESS								CAC-A	WELDABLE MATERIALS	WELDING AMPERAGE RANGE	INPUT VOLTAGE	GENERATOR POWER REQUIRED	TYPICAL APPLICATIONS
	STICK	AC TIG	DC TIG	HIGH FREQ	LIFT ARC	PULSE	LOW OCV							
Maxstar 150 STH	●		●	●	●	●	●	N/A	Steel, Stainless	5 - 150 DC	115/240 V *	6.5 kVA	Sheet Metal, Marine, Site Welding, Maintenance	
Maxstar 200DX	●		●	●	●	●	●	N/A	Steel, Stainless	1 - 200 DC	115/240/415 V *	7 kVA	Sheet Metal, Marine, Site Welding, Maintenance	
Dynasty 200DX	●	●	●	●	●	●	●	N/A	Steel, Aluminium, Stainless	5 - 200 AC 1 - 200 DC	115/240/415 V *	11 kVA	Sheet Metal, Marine, Site Welding, Maintenance	
Dynasty 350DX	●	●	●	●	●	●	●	N/A	Steel, Aluminium, Stainless	3 - 350 AC/DC	240/415 V *	16.5 kVA	Sheet Metal, Marine, Maintenance	

Capability ● Designed for this process * Autoline

Maxstar 150 STH



Part No: MR907352



LIGHTWEIGHT & PORTABLE DC OUTPUT TIG/STICK MACHINE.

AUTO-LINE™ POWER MANAGEMENT

Automatically compensates for various input voltage. Suits jobsite and generator power.

LIGHTWEIGHT & PORTABLE

Easy to move around the workshop or jobsite – only 6.2kg.

BUILT-IN PULSING CAPABILITIES

Allows the operator to select from four fixed pulse frequencies to satisfy the application.

SELECTABLE TRIGGER CONFIGURATION

The operator can choose standard or 2T trigger method to meet the application.

LIFT-ARC™ STARTING

Provides TIG arc starting without the use of high frequency.

HF START

Non-contact arc starting to eliminate tungsten or material contamination.

BUILT-IN GAS SOLENOID

Eliminates the need for a bulky torch with a gas valve.

ADAPTIVE HOT START™

Automatically increases the output amperage at the start of a weld should the start require it. Prevents the electrode from sticking and creating an inclusion.

LOW OCV STICK

Reduces the open-circuit Voltage to 12–16 Volts when the welding power source is not in use. In accordance with CAT C AS 1674.2. (Nb: does not have a VRD indicator).

THERMAL OVERLOAD PROTECTION

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

FAN-ON-DEMAND™

Power source cooling system operates only when needed - reducing noise, energy use and the amount of contaminants pulled through the machine.

3 YEAR WARRANTY

For details, refer to Miller's True Blue warranty statement.

APPLICATIONS

- Process Pipe
- Dairy Industry
- Food/Beverage Industry
- Shipboard Installation/Repair
- Maintenance Repair

PROCESSES

- TIG (GTAW)
- Pulsed TIG (GTAW-P)
- Stick (SMAW)



INPUT POWER	WELDING AMP RANGE	RATED OUTPUT	AMPS INPUT AT RATED OUTPUT 50/60 HZ	KVA AT DUTY CYCLE	DIMENSIONS (MM)	WEIGHT
230 VAC Stick	20 - 150 A	100 A at 24.0 VCD, 100% Duty Cycle	13.1	3.0	H: 229 W: 140 D: 337	6.2kg
		150 A at 26.0 VCD, 30% Duty Cycle	21.6	4.9		
230 VAC TIG	5 - 150 A	100 A at 14.0 VCD, 100% Duty Cycle	8.3	2.0		
		150 A at 16.0 VCD, 30% Duty Cycle	14.2	3.2		

Maxstar 200DX

CC DC 1 Phase 3 Phase

Part No: MR907354



FOR JOBS THAT DEMAND PRECISION.

AUTO-LINE™ POWER MANAGEMENT

Automatically compensates for various input voltage. Suits jobsite and generator power. Single or 3 phase.

FAN-ON-DEMAND™

Power source cooling system operates only when needed - reducing noise, energy use and the amount of contaminants pulled through the machine.

LIFT-ARC™ STARTING

Provides X-Ray clean welds without the use of high frequency.

BLUE LIGHTNING™

High-frequency arc starter for non-contact arc initiation. Provides more consistent arc starts and greater reliability compared to traditional HF arc starters. Easy to set and increases productivity.

DC TIG FEATURES

Exceptionally smooth and precise arc for welding exotic materials.

STICK FEATURES (DC)

Tailored arc control (DIG) allows the arc characteristic to be changed for specific applications and electrodes. Smooth running 7018 or stiffer, more penetrating 6010.

HOT-START™

Provides positive arc starts without sticking.

LOW OCV

VRD TO CAT C AS 1674.2

3 YEAR WARRANTY

For details, refer to Miller's True Blue warranty statement.

APPLICATIONS	PROCESSES
Precision Fabrication	TIG (GTAW)
Petro/Chemical	Pulsed TIG (GTAW-P)
Food/Beverage Industry	Stick (SMAW)



WELDING MODE	RATED OUTPUT	AMPS INPUT AT RATED OUTPUT, 50/60 HZ		KVA	DIMENSIONS (MM)	WEIGHT
		230 V 1 PHASE	400 V 3 PHASE			
TIG (GTAW)	175 A at 17 V, 60% Duty Cycle	17.4	6.0	4.2	H: 343 W: 191 D: 445	16.8kg
Stick (SMAW)	150 A at 26 V, 60% Duty Cycle	21.7	7.4	5.2		

Dynasty 200DX

Part No: MR907356



IDEAL FOR MAINTENANCE JOBS SPLIT BETWEEN THE WORKSHOP & SITE.

AUTO-LINE™ POWER MANAGEMENT

Automatically compensates for various input voltage. Suits jobsite and generator power.

FAN-ON-DEMAND™

Power source cooling system operates only when needed - reducing noise, energy use and the amount of contaminants pulled through the machine.

LIFT-ARC™ STARTING

Provides X-Ray clean welds without the use of high frequency.

BLUE LIGHTNING™

High-frequency arc starter for non-contact arc initiation. Provides more consistent arc starts and greater reliability.

WIND TUNNEL TECHNOLOGY™

Protects internal components from airborne contaminants, extending product life.

PROGRAM MEMORY

Features 9 independent program memories that maintain/save your parameters.

VRD TO CAT C AS 1674.2

3 YEAR WARRANTY

For details, refer to Miller's True Blue warranty statement.

APPLICATIONS	PROCESSES
Precision Fabrication	TIG (GTAW)
Petro/Chemical	Pulsed TIG (GTAW-P)
Food/Beverage Industry	Stick (SMAW)
Dairy	
Shipboard	



WELDING MODE	AMP RANGE	RATED OUTPUT	AMPS INPUT AT RATED OUTPUT, 50/60 HZ			DIMENSIONS (MM)	WEIGHT
			230 V 1 PHASE	400 V 3 PHASE	KVA		
TIG (GTAW)	AC 5 - 150 A DC 1 - 150 A (115 VAC)	200 A at 18 V, 20% Duty Cycle	33 A	8.7	5.5	H: 343 W: 191 D: 546	20.5kg
		150 A at 16 V, 60% Duty Cycle	15.8 A	6.0	3.8		
Stick (SMAW)	AC 5 - 105 A DC 1 - 105 A	200 A at 28 V, 20% Duty Cycle	33 A	13.0	8.1		

* Dependent on load variables, full output may not be available at 240 V 1 phase.

Dynasty 350DX

Part No: MR907204021



EXCEPTIONALLY SMOOTH & PRECISE ARC.

AUTO-LINE™ POWER MANAGEMENT

Automatically compensates for various input voltage. Suits jobsite and generator power.

FAN-ON-DEMAND™

Power source cooling system operates only when needed - reducing noise, energy use and the amount of contaminants pulled through the machine.

LIFT-ARC™ STARTING

Provides X-Ray clean welds without the use of high frequency.

BLUE LIGHTNING™

High-frequency arc starter for non-contact arc initiation. Provides more consistent arc starts and greater reliability.

METER CALIBRATION

Allows meters to be calibrated for certification.

WIND TUNNEL TECHNOLOGY™

Protects internal electrical components from airborne contaminants, extending the product life.

PROGRAM MEMORY

Features 9 independent program memories that maintain/save your parameters.

AUTO-POSTFLOW

Calculates the length of postflow time based on the amperage setting. This eliminates the need to independently set the postflow time for different amperages. This feature preserves your tungsten and prevents porosity.

VRD TO CAT C AS 1674.2

3 YEAR WARRANTY

For details, refer to Miller's True Blue warranty statement.

APPLICATIONS	PROCESSES
Precision Fabrication Heavy Fabrication Pipe and Tube Fabrication Aluminium Ship Repair Anodized Aluminium Fabrication	TIG (GTAW) Pulsed TIG (GTAW-P) Stick (SMAW)

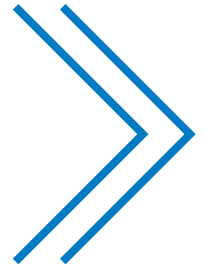


AMP RANGE	RATED OUTPUT	AMPS INPUT AT RATED OUTPUT, 50/60 HZ		DIMENSIONS (MM)	WEIGHT
		400 V	KVA		
3 - 350 A	250 A at 30 V, 100% Duty Cycle	15	10.3	H: 629	61kg
	300 A at 32 V, 60% Duty Cycle	18	12.7	W: 349 D: 559	





MIG & Multi-Process



PRODUCT	PROCESS								CAC-A	WELDABLE MATERIALS	WELDING OUTPUT RANGE	INPUT VOLTAGE	GENERATOR POWER REQUIRED	TYPICAL APPLICATIONS
	STICK	DC TIG	HIGH FREQ	LIFT ARC	MIG	FC	PULSE	LOW OCV						
Deltaweld 602					●	●			5/16" (8 mm)	Steel, Aluminium, Stainless	10 - 38 V CV	415 V	25 kVA	Construction, Fabrication, Mining, Maintenance
XMT 350	●	●		●	●	●	Opt	●	1/4" (6 mm)	Steel, Aluminium, Stainless	5 - 425 A CC 10 - 38 A CV	240/ 415 V *	15 kVA	Construction, Fabrication, Mining, Maintenance
XMT 350 MPa	●	●		●	●	●	●	●	1/4" (6 mm)	Steel, Aluminium, Stainless	5 - 425 A CC 10 - 38 A CV	240/ 415 V *	15 kVA	Construction, Marine, Maintenance
XMT 450	●	●		●	●	●	Opt	●	3/8" (9.5 mm)	Steel, Aluminium, Stainless	15 - 600 A CC 10 - 38 V CV	400 V	22 kVA	Construction, Fabrication, Mining, Maintenance
Dimension 562	●	○			●	●		Opt	5/16" (8 mm)	Steel, Aluminium, Stainless	20 - 565 A CC 10 - 38 V CV	415 V	36 kVA	Construction, Fabrication, Mining, Maintenance
Dimension 812	●	○			●	●		Opt	3/8" (9.5 mm)	Steel, Aluminium, Stainless	50 - 815 A CC 10 - 65 V CV	415 V	50 kVA	Construction, Fabrication, Mining, Maintenance
PipeWorx Welding System	●	●	●	●	●	●	●		3/8" (9.5 mm)	Steel, Stainless	40 - 350 A CC 10 - 44 V CV	415 V	20 kVA	Pipe Welding, Industry

Capability ● Designed for this process ○ Capable of this process * Autoline



Deltaweld 602



Part No: MR907358



SUPERIOR ARC WELDING PERFORMANCE

With MIG welding.

INTERNAL DIGITAL VOLTAGE CONTROL (DVC)

Enables operator to preset weld voltage before striking an arc.

LINE VOLTAGE COMPENSATION

Ensures consistent weld performance by keeping output power constant even if primary input power varies by $\pm 10\%$.

POWER EFFICIENT

For exceptional value and return on your investment.

THERMAL OVERLOAD PROTECTION

Light indicates power shutdown. Helps prevent machine damage if the duty cycle is exceeded or airflow is blocked.

DIGITAL VOLTMETER AND AMMETER

Easy to read, even at 9.2m.

FAN ON DEMAND™

Operates only when needed reducing noise, power consumption, and the amount of airborne contaminants pulled through the machine.

14 PIN RECEPTACLE

Provides quick, direct connection to Miller 14-pin wirefeeders and accessories.

REMOTE VOLTAGE CONTROL

Allows operator to change voltage from wirefeeder.

ENCLOSED CIRCUIT BOARDS

Provide additional protection from contaminants resulting in longer service life.

PC BOARD PROTECTION

Prevents the wirefeeder power or other stray voltages (less than 115 VAC) from harming the power source PC board.

3 YEAR WARRANTY

For details, refer to Miller's True Blue warranty statement.

APPLICATIONS

Heavy Equipment Manufacturing
Ship and Boat Building
Tank/Pressure Vessel Fabrication
Railcar/Locomotive Fabrication and Repair
Structural Steel Fabrication
Sheet Metal Fabrication
Maintenance

PROCESSES

MIG (GMAW)
Flux Cored (FCAW)
Air Carbon Arc Cutting and Gouging (CAC-A)
Submerged Arc (SAW)



RATED OUTPUT	VOLTAGE RANGE	RECOMMENDED WELDING RANGE	AMPS INPUT AT RATED OUTPUT, 50/60 HZ			MAX OPEN CIRCUIT VOLTAGE	DIMENSIONS (MM)	WEIGHT
			400 V	KVA	KW			
450 A at 38 VDC, 100% Duty Cycle	10 - 38 V	15 - 38 V	37	25.1	21.1	48 VDC	H: 762 W: 585 D: 966	174kg



XMT 350

Part No: MR907161012



AUTO-LINE™ POWER MANAGEMENT

Automatically compensates for various input voltage. Suits jobsite and generator power. Keeps welding output constant even if input power varies by ±10%.

WIND TUNNEL TECHNOLOGY™

Protects electrical components and PC boards from contamination.

FAN-ON-DEMAND™

The cooling system operates only when needed, reducing noise, energy use and the amount of contaminants pulled through machine.

LIFT-ARC™

Allows TIG starting without the use of high-frequency. Starts the arc without contaminating the weld with tungsten.

ADAPTIVE HOT START™

Increases the output amperage at the start of a weld if necessary, eliminating electrode sticking.

LIGHTWEIGHT, AEROSPACE-GRADE ALUMINIUM CASE

Offers heavy-duty protection with the benefit of reduced weight.

INVERTER ARC CONTROL TECHNOLOGY

Provides greater puddle control for superior 6010 Stick electrode performance, and outstanding MIG weld performance.

PROCESS SELECTOR SWITCH

Reduces the number of control setup combinations without reducing any features.

LARGE, DUAL DIGITAL METERS

Easy to view and can be pre-set.

PULSED MIG (GMAW-P) CAPABILITIES

With optional Optima™ control reduces spatter and distortion, allows better out-of-position puddle control, and provides potential reduction of fume particle emission.

APPLICATIONS
Construction
Shipbuilding
Railroad
Truck/Trailer Manufacturing
Fabrication
Repair Shops
Rental Fleets
Power Generation Plants

PROCESSES
MIG (GMAW)
Pulsed MIG (GMAW-P)
Stick (SMAW)
TIG (GTAW)
Flux-Cored (FCAW)
Air Carbon Arc Cutting and Gouging (CAC-A)

VRD TO CAT C AS 1674.2

3 YEAR WARRANTY

For details, refer to Miller's True Blue warranty statement.



INPUT POWER	RATED OUTPUT	VOLTAGE RANGE - CV MODE	AMPERAGE RANGE IN CC MODE	AMPS INPUT AT RATED LOAD OUTPUT, 60 HZ				DIMENSIONS (MM)	WEIGHT
				230 V	400 V	KVA	KW		
3 Phase	350 A at 34 VDC, 60% Duty Cycle	10 - 38 V	15 - 425 A	N/A	20.6	14.2	13.6	H: 432 W: 318 D: 610	36.3kg
Single Phase	300 A at 32 VDC, 60% Duty Cycle	10 - 38 V	15 - 425 A	54.6	29.7	11.7	11.2		



XMT 350 MPa



Part No: MR907366002



AUTO-LINE™ POWER MANAGEMENT

Automatically compensates for various input voltage. Suits jobsite and generator power. Keeps welding output constant even if input power varies by ±10%. Single or 3 phase.

DINSE OR TWECO STYLE WELD DISCONNECTS

Provides high-quality weld cable connections.

FAN-ON-DEMAND™

The cooling system operates only when needed, reducing noise, energy use and the amount of contaminants pulled through machine.

LIFT-ARC™

Allows TIG starting without the use of high-frequency. Starts the arc without contaminating the weld with tungsten.

WIND TUNNEL TECHNOLOGY™

Protects electrical components and PC boards from contamination.

INVERTER ARC CONTROL TECHNOLOGY

Provides greater puddle control for superior 6010 Stick electrode performance, and outstanding MIG weld performance.

ADAPTIVE HOT START™

Increases the output Amperage at the start of a weld if necessary, eliminating electrode sticking.

LIGHTWEIGHT, AEROSPACE-GRADE ALUMINIUM CASE

Offers heavy-duty protection with the benefit of reduced weight.

PROCESS SELECTOR SWITCH

Reduces the number of control setup combinations without reducing any features.

LARGE, DUAL DIGITAL METERS

Easy to view and can be pre-set.

BUILT-IN PULSED MIG PROGRAMS WITH SYNERGIC CAPABILITY

VRD TO CAT C AS 1674.2

APPLICATIONS

- Construction
- Shipbuilding
- Railroad
- Truck/Trailer Manufacturing
- Fabrication
- Repair Shops
- Rental Fleets
- Power Generation Plants

PROCESSES

- MIG (GMAW)
- Pulsed MIG (GMAW-P)
- Stick (SMAW)
- TIG (GTAW)
- Flux Cored (FCAW)
- Air Carbon Arc Cutting and Gouging (CAC-A)

3 YEAR WARRANTY

For details, refer to Miller's True Blue warranty statement.



INPUT POWER	RATED OUTPUT	VOLTAGE RANGE - CV MODE	AMPERAGE RANGE IN CC MODE	AMPS INPUT AT RATED LOAD OUTPUT, 60 HZ				DIMENSIONS (MM)	WEIGHT
				230 V	400 V	KVA	KW		
3 Phase	350 A at 34 VDC, 60% Duty Cycle	10 - 38 V	15 - 425 A	N/A	20.6	14.2	13.6	H: 432 W: 318 D: 610	36.3kg
Single Phase	300 A at 32 VDC, 60% Duty Cycle	10 - 38 V	15 - 425 A	54.6	29.7	11.7	11.2		



XMT 450

Part No: MR907525



WIND TUNNEL TECHNOLOGY™

Protects electrical components and PC boards from contamination.

FAN-ON-DEMAND™

The cooling system operates only when needed, reducing noise, energy use and the amount of contaminants pulled through machine.

LIFT-ARC™

Allows TIG starting without the use of high-frequency. Starts the arc without contaminating the weld with tungsten.

ADAPTIVE HOT START™

Increases the output Amperage at the start of a weld if necessary, eliminating electrode sticking.

LIGHTWEIGHT, AEROSPACE-GRADE ALUMINIUM CASE

Offers heavy-duty protection with the benefit of reduced weight.

LARGE, DUAL DIGITAL METERS

Easy to view and can be pre-set.

INVERTER ARC CONTROL TECHNOLOGY

Provides greater puddle control for superior 6010 Stick electrode performance, and outstanding MIG weld performance.

LINE VOLTAGE COMPENSATION

Keeps welding output constant even if input power varies by ±10%. Line Voltage compensation further expands to an amazing +37/-59% when operating on 460 VAC.

PROCESS SELECTOR SWITCH

Reduces the number of control setup combinations without reducing any features.

PULSED MIG (GMAW-P) CAPABILITIES

With optional Optima™ control reduces spatter and distortion, allows better out-of-position puddle control, and provides potential reduction of fume particle emission.

VRD TO CAT C AS 1674.2

APPLICATIONS
Construction
Shipbuilding
Railroad
Truck/Trailer Manufacturing
Fabrication
Repair Shops
Rental Fleets
Power Generation Plants

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

3 YEAR WARRANTY

For details, refer to Miller's True Blue warranty statement.



INPUT POWER	RATED OUTPUT	VOLTAGE RANGE - CV MODE	AMPERAGE RANGE IN CC MODE	AMPS INPUT AT RATED LOAD OUTPUT, 60 HZ			DIMENSIONS (MM)	WEIGHT
				400 V	KVA	KW		
3 Phase	450 A at 38 VDC, 100% Duty Cycle	10 - 38 V	15 - 600 A	27.6	22	18.9	H: 438 W: 368 D: 689	55.3kg



Dimension 562



Part No: MR907360

Part No: MR907360-1 [with VRD]



ENGINEERED TO DELIVER EXCEPTIONAL PERFORMANCE FOR A RANGE OF PROCESSES.

DC MULTI-PROCESS CAPABILITY

Provides versatility and outstanding arc performance in CV (MIG) and CC (Stick, TIG, CAC-A).

INTERNAL DIGITAL VOLTAGE CONTROL (DVC)

Enables operator to pre-set weld voltage in the CV mode prior to welding.

BUILT-IN ARC CONTROL

Allows the operator to get in tight without sticking the electrode. An electrode compensation circuit ensures consistent arc control performance regardless of the electrode size.

LINE VOLTAGE COMPENSATION

Ensures consistent weld performance by keeping output power constant even if primary input power varies by ±10%.

REMOTE VOLTAGE CONTROL

Allows operator to change Voltage from feeder.

14-PIN RECEPTACLE

Provides quick, direct connection to Miller 14-pin wirefeeders and accessories.

ENCLOSED CIRCUIT BOARDS

Provides additional protection from contaminants resulting in longer service life.

PC BOARD PROTECTION

Prevents the wire feeder power or other stray Voltages (less than 115 VAC) from harming the power source PC board.

FAN-ON-DEMAND™

Power source cooling system operates only when needed - reducing noise, energy use and the amount of contaminants pulled through the machine.

APPLICATIONS

- Fabrication and Construction
- Heavy Manufacturing
- Maintenance/Repair
- Pressure Tank/Vessel Fabrication
- Pipe Welding
- Shipbuilding
- Refineries and Foundries
- Railcar Manufacturing
- Earth-Moving Equipment Manufacturing

PROCESSES

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

HOT-START™

Easy to start difficult Stick electrodes such as E-6010 and E-7018.

3 YEAR WARRANTY

For details, refer to Miller's True Blue warranty statement.



RATED OUTPUT	AMP/VOLT RANGE	AMPS INPUT AT RATED OUTPUT, 50/60 HZ			DIMENSIONS (MM)	WEIGHT
		400 V	KVA	KW		
450 A at 38 VDC, (36.5 VDC for CE Model) 100% Duty Cycle	20 - 565 A in CC mode	46	31.4	22	H: 762 including lift eye W: 585 D: 966 including strain relief	192kg
450 A at 38 VDC, (36.5 VDC for CE Model) 100% Duty Cycle	10 - 38 V in CV mode	51	35.3	22.3		



Dimension 812



Part No: MR907361

Part No: MR907361-1 [with VRD]



DC MULTI-PROCESS CAPABILITY

Provides versatility and outstanding arc performance in CV (MIG) and CC (Stick, TIG, CAC-A).

INTERNAL DIGITAL VOLTAGE CONTROL (DVC)

Enables operator to pre-set weld Voltage in the CV mode prior to welding.

BUILT-IN ARC CONTROL

Allows the operator to get in tight without sticking the electrode. An electrode compensation circuit ensures consistent arc control performance regardless of the electrode size.

HOT-START™

Easy to start difficult Stick electrodes such as E-6010 and E-7018.

FAN-ON-DEMAND™

Power source cooling system operates only when needed - reducing noise, energy use and the amount of contaminants pulled through the machine.

LINE VOLTAGE COMPENSATION

Ensures consistent weld performance by keeping output power constant even if primary input power varies by ±10%.

14-PIN RECEPTACLE

Provides quick, direct connection to Miller 14-pin wirefeeders and accessories.

REMOTE VOLTAGE CONTROL

Allows operator to change Voltage from feeder.

ENCLOSED CIRCUIT BOARDS

Provides additional protection from contaminants resulting in longer service life.

PC BOARD PROTECTION

Prevents the wire feeder power or other stray Voltages (less than 115 VAC) from harming the power source PC board.

3 YEAR WARRANTY

For details, refer to Miller's True Blue warranty statement.

APPLICATIONS

- Fabrication and Construction
- Heavy Manufacturing
- Maintenance/Repair
- Pressure Tank/Vessel Fabrication
- Pipe Welding
- Shipbuilding
- Refineries and Foundries
- Railcar Manufacturing
- Earth-Moving Equipment Manufacturing

PROCESSES

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



RATED OUTPUT	AMP/VOLT RANGE	AMPS INPUT AT RATED OUTPUT, 50/60 HZ			DIMENSIONS (MM)	WEIGHT
		400 V	KVA	KW		
650 A at 44 VDC, 100% Duty Cycle	50 - 815 A in CC mode	73	50	34.8	H: 762 including lift eye W: 585 D: 966 including strain relief	247kg



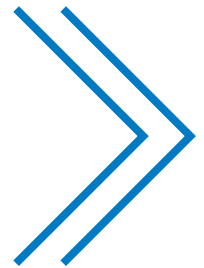
PipeWorx Welding System



Part No: MR907534



Designed & Optimised for Pipe Fabrication Shops



SINGLE SYSTEM DESIGN

One machine designed to perform all your pipe welding needs.

WIND TUNNEL TECHNOLOGY™

Protects electrical components and PC boards from contamination.

FAN-ON-DEMAND™

The cooling system operates only when needed, reducing noise, energy use and the amount of contaminants pulled through machine.

MULTI-PROCESS MACHINE

> Weld processes are optimised to deliver superior arc performance and stability specifically for root pass, fill and cap pipe welding.

> Includes conventional Stick, DC TIG (Lift-Arc or HF Start), Flux-Cored and MIG welding processes.

> Advanced RMD® and Pulsed MIG processes deliver superior quality welds, increase productivity, and reduce rework and training.



SIMPLE PROCESS SET-UP

- > Clearly labelled controls in easy-to-understand welder terminology.
- > Requires just a few basic steps to set up a new weld process, resulting in less training time and minimizing errors from incorrect setups.
- > The front panel was designed by welders for welders. Only backlit controls are adjustable to eliminate confusion.
- > Memory feature stores four programs for each selection: Stick, DC TIG, and MIG (left and right side of feeder). Beneficial when using multiple procedures, multiple process parameters or multiple welders and eliminates the need to remember parameters.

SINGLE OR DUAL WIREFEEDER AVAILABLE

With simple operator interface. Wirefeed speeds up to 780 IPM.

STREAMLINED SYSTEM

- > Wind Tunnel Technology™ and Fan-On-Demand™ provide system protection in the dusty shop environment.
- > Innovative cable and gun storage manages clutter for a cleaner, organised weld-cell area. Cables remain connected to the power source and do not need to be switched for the different welding processes.
- > All system components have been selected to meet the needs of a pipe fabrication shop.

QUICK PROCESS CHANGEOVER

- > No need to manually switch polarity or cables and hoses between processes. Simply push a process selection button to choose a welding process. PipeWorx ‘Quick-Select’ technology automatically selects the welding process, the correct polarity, cable outputs and welding parameters.
- > Quick process changeover eliminates set-up time for switching cables and gas hoses. Also, reduces the risk of weld reworks due to incorrect cable connection.

3 YEAR WARRANTY

For details, refer to Miller’s True Blue warranty statement.

APPLICATIONS
Process Piping
Refinery
Petrochemical
Power
HVAC and Water Pipe

PROCESSES
Stick (SMAW)
DC TIG (GTAW)
MIG (GMAW)
MIG RMD® (GMAW MSC)
Pulsed MIG (GMAW-P)
Flux Cored (FCAW)

WELDING MODE	RATED OUTPUT	AMPERAGE VOLTAGE RANGE	AMPS INPUT AT RATED OUTPUT, 50 HZ, 3 PHASE	KVA (400 V)	KW (400 V)	DIMENSIONS (MM)	WEIGHT
			400 V				
CC: Stick	350 A at 36 VDC, 100% Duty Cycle	40 - 350 A	25.5	17.8	16.5	H: 711 W: 495 D: 806 (Power Source Only)	102kg (Power Source Only)
CC: DC TIG	350 A at 24 VDC, 100% Duty Cycle	10 - 350 A	18.1	12.5	9.8		
CV: MIG/ Flux Cored	400 A at 34 VDC, 100% Duty Cycle	10 - 44 V	25.7	18.0	15.6		





Plasma Cutting



EXTREME RELIABILITY

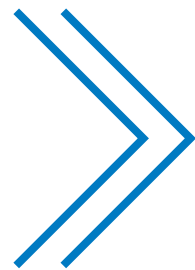


Spectrum[®] 500i

Part No: MR907542



Portable Plasma Cutting System for Jobsite or Workshop



AUTO-REFIRE™ TECHNOLOGY

Automatically controls the pilot arc when cutting expanded metal or multiple pieces of metal. The pilot arc will switch in and out as fast as needed when cutting expanded metal and provides maximum power for cutting thicker metal - all automatically! No need for manual re-triggering which reduces user hand fatigue.

LVC™ LINE VOLTAGE COMPENSATION

Provides peak performance power under variable conditions (power fluctuations up to ±15%) to deliver steady and cleaner ending cuts.

LED INDICATOR

For pressure, power, cup and temperature. Allows faster troubleshooting, eliminating unnecessary downtime.

WIND TUNNEL TECHNOLOGY™

Prevents abrasive dust and particles from damaging internal components.

FAN-ON-DEMAND™

Cooling system operates only when needed to reduce power consumption and contaminants drawn into the machine.

CABLE MANAGEMENT STRAP

Secures torch, work cable and power cord to make transporting easy and convenient.

OPERATES FROM 10 AMP OUTLET



XT30 TORCH

With ergonomic handle to help prevent operator fatigue while the flexible cable makes manoeuvring easier.

PACKAGE INCLUDES

- > XT30 hand-held torch with 3.7m flexible cable.
- > Work clamp with 5.1m cable.
- > 3m power cord.
- > Extra consumables.

3 YEAR WARRANTY

For details, refer to Miller's True Blue warranty statement.

APPLICATIONS

- Maintenance
- Light Construction
- Sheet Metal Shops
- Body Shops
- Fabrication

MILD STEEL CUTTING CAPABILITY

CUTTING AT 30 AMPS



1/4 IN. (6.4MM) AT 36 IPM



3/8 IN. (9.5MM) AT 18 IPM

Mild steel recommended cut speeds at 30 Amps.

THICKNESS	APPROX. TRAVEL SPEEDS*
1/16 in. (1.6mm)	240+ IPM (6096+mm/min)
1/8 in. (3.2mm)	100 IPM (2540mm/min)
3/16 in. (4.8mm)	63 IPM (1605mm/min)
1/4 in. (6.4mm)	36 IPM (914mm/min)
3/8 in. (9.6mm)	18 IPM (467mm/min)
1/2 in. (12.7mm)	10 IPM (264mm/min)
5/8 in. (15.9mm)	6 IPM (163mm/min)

*Travel speeds are approximately 80% of maximum.

NOTE: Recommended maximum piercing capacity for hand held application is 3/16 inches (4.8mm). Maximum sever cut of 5/8 inches (15.9mm) at 6 IPM. For aluminium and other metals with high thermal conductivity, cutting capabilities will be derated as much as 30%.

MILD STEEL CUTTING CAPACITY	INPUT POWER	RATED OUTPUT	AMPS INPUT AT RATED LOAD OUTPUT 50/60 HZ	KVA	KW	DIMENSIONS (MM)	WEIGHT
Rated: 9.5mm Sever: 15.9mm	240 V	30 A at 92 VDC, 35% Duty Cycle	14.3 A I _{eff} = 8.5 A	3.3	3.2	H: 286 W: 210 D: 362	Net: 12.7kg Shipping: 15kg

15 Amp plug supplied for commissioning purposes only.

Spectrum® 700i

Part No: MR907543



Portable & Powerful 40 Amp Plasma Cutting Package



HIGH PERFORMANCE COOLING SYSTEM WITH FAN-ON-DEMAND™

Thermal management system features new high-speed fan which only operates when torch trigger is engaged for improved reliability.

WIND TUNNEL TECHNOLOGY™

Prevents abrasive dust and particles from damaging internal components.

AUTOMATIC CONSUMABLE PROTECTION

Detects consumable type installed and adjusts gas pressure to optimise cutting performance, eliminating the need for a manual regulator.

AUTO-REFIRE™ TECHNOLOGY

Automatically controls the pilot arc when cutting expanded metal or multiple pieces of metal. The pilot arc will switch in and out as fast as needed when cutting expanded metal and provides maximum power for cutting thicker metal - all automatically! No need for manual re-triggering which reduces user hand fatigue.

AUTO POSTFLOW

Calculated the length of postflow time based on the amount of cutting time to optimise consumable life and eliminate excessive air usage.

AUTOMATIC AIR REGULATION

The unit automatically compensates for input pressure variation to provide constant recommended torch pressure for optimum cutting performance.



XT40 TORCH

With ergonomic handle to help prevent operator fatigue while the flexible cable makes manoeuvring easier.

LVC™ LINE VOLTAGE COMPENSATION

Provides peak performance power under variable conditions (power fluctuations up to ±15%) to deliver steady and cleaner ending cuts.

LED INDICATOR

For pressure, power, cup and temperature. Allows faster troubleshooting, eliminating unnecessary downtime.

CABLE MANAGEMENT STRAP

Secures torch, work cable and power cord to make transporting easy and convenient.

3 YEAR WARRANTY

For details, refer to Miller's True Blue warranty statement.

APPLICATIONS

Maintenance
Light Construction
Sheet Metal Shops
Body Shops
Fabrication

PACKAGE INCLUDES:

- > XT40 hand-held torch with 3.7m flexible cable.
- > Work clamp with 5.1m cable.
- > 3m power cord.
- > Extra consumables.

MILD STEEL CUTTING CAPABILITY

CUTTING AT 40 AMPS (240 V)



1/4 IN. (6.4MM) AT 64 IPM



5/8 IN. (15.9MM) AT 13 IPM

Mild steel recommended cut speeds at 40 Amps

THICKNESS	APPROX. TRAVEL SPEEDS*
1/8 in. (3.2mm)	156 IPM (3963mm/min)
1/4 in. (6.4mm)	64 IPM (1626mm/min)
3/8 in. (9.5mm)	36 IPM (915mm/min)
1/2 in. (12.7mm)	22 IPM (559mm/min)
5/8 in. (15.9mm)	13 IPM (330mm/min)

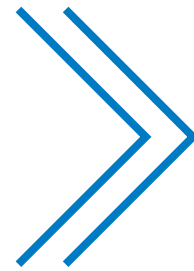
*Travel speeds are approximately 80% of maximum.

NOTE: Recommended maximum piercing capacity for hand held application is 5/16 inches (7.9mm). Maximum sever cut of 7/8 inches (22.2mm) at approximately 5 IPM. For aluminium and other metals with high thermal conductivity, cutting capabilities will be derated as much as 30%.

MILD STEEL CUTTING CAPACITY	INPUT POWER	RATED OUTPUT	AMPS INPUT AT RATED OUTPUT, 56/60 HZ	KVA	KW	DIMENSIONS (MM)	WEIGHT
Rated: 15.9mm Sever: 22.2mm	240 V	40 A at 140 VDC, 50% Duty Cycle	28.5 A I _{eff} = 20.2 A	6.6	6.5	H: 286 W: 210 D: 362	Net: 13.2kg Shipping: 15.5kg



Induction Heating





Pro Heat 35

Part No: MR907432



REDUCED PREHEATING TIME BY UP TO 400%

Miller's Induction Heating system brings a part to temperature in a fraction of the time, compared to traditional flame and resistance heating processes. It also holds the part at the specified temperature.

With Miller's Pro-Heat™, pre-heat time can be reduced by up to 400%. To put this in perspective, companies using the Pro-Heat™ have reduced pre-heating time from over two hours to just 30 minutes.

MULTIPLE OUTPUTS

Provides two insulated connectors for air-cooled blankets or liquid-cooled cables.

ON-BOARD TEMPERATURE CONTROL

Provides for manual or temperature-based programming in a simple-to-learn operator interface.

MULTIPLE CONTROL THERMOCOUPLE INPUTS

Control on the hottest TC during heating and coolest TC during cooling for uniform heating and quality.

OPEN OUTPUT DETECTION

Prevents system operation without a covered output receptacle (cable or protective plug).

CABLE IDENTIFICATION SYSTEM

Knows the type of cable attached and limits output to protect cables and blankets.

ISOLATION FAULT PROTECTION

Provides automatic system shut down should power source output short to ground. A sense lead provides direct feedback to the power source to sense fault condition.

LOW CONSUMABLE COSTS

No fuel costs and minimal insulation costs. Insulation is reusable and may be used 50 times or more, reducing cost of disposal and replacement.

UNIFORM HEATING

Heating is maintained along and through the heat zone by using induction to heat within the material. The surface of the part is not marred by localized conducted heat at higher than specified temperatures.

TIME-TO-TEMPERATURE

Faster than conventional processes due to the method of applying the heat, reducing heating cycle time.

IMPROVED AND SAFER WORKING ENVIRONMENT

Welders are not exposed to open flame, explosive gases and hot elements associated with fuel gas heating and resistance heating.

EASY SET-UP

Achieved using preheat blankets or flexible heating cables combined with user-friendly insulation blankets. Easy to install primary power through panel that does not require removal of sheet metal.

APPLICATIONS
Transmission Pipeline – Construction/Repair
Pipe Fabrication Shops
Power Piping – Construction/Repair
Petrochemical – Construction/Repair
Shipbuilding
Mining Equipment Maintenance
Drill Pipe Manufacturing
Shrink Fit

1 YEAR WARRANTY

For details, refer to Miller's True Blue warranty statement.



INPUT POWER	OUTPUT FREQUENCY	RATED OUTPUT	INPUT AMPS AT RATED OUTPUT	KVA/KW AT RATED OUTPUT	DIMENSIONS (MM)	WEIGHT
400 - 460 V, 3 Phase 50/60 Hz CE	5 - 30 kHz	35 kW at 100% Duty Cycle	60 A, 400 V	39/37	H: 669 W: 552 D: 933	103kg

Wirefeeders



PRODUCT	PROCESS											WIRE SIZE SOLID	WIRE SIZE FLUX CORED	TYPICAL APPLICATIONS
	MIG	MIG PULSE	PORTABLE	POWER REQ	SOLID WIRE	FLUX CORED	ALUM	METERS	2 ROLL FEED	4 ROLL FEED				
SUITCASE X-TREME 12VS	●	○	●	CC/CV	●	●	○	●	●			0.6 - 1.6mm	0.9 - 2.0mm	Construction, Fabrication, Mining, Maintenance
SUITCASE 12RC	●	○	●	CV	●	●	○	●	●			0.6 - 1.6mm	0.9 - 2.0mm	Construction, Fabrication, Mining, Maintenance
22A	●	○		CV	●	●	○	*	●			0.6 - 1.6mm	0.9 - 2.0mm	Construction, Fabrication, Mining, Maintenance
70 Series	●	○		CV	●	●	○	*		●		0.9 - 1.6mm	1.2 - 2.8mm	Construction, Fabrication, Mining, Maintenance
70 Series Mpa	●	●		CV	●	●	●	●		●		0.9 - 1.6mm	1.2 - 2.8mm	Construction, Marine, Fabrication, Mining, Maintenance

Capability ● Designed for this process ○ Capable of this process * Optional



Suitcase X-Treme 12VS

Part No: MR300659



TAKING PORTABLE WELDING TO THE EXTREME!

CONSISTENT WIREFEED

The drive system features two gear-driven rollers for precise wirefeed.

EXCELLENT STARTS

Superior arc performance for all types and sizes of wires, whether using CV or CC power supply.

HIGHER DUTY CYCLE

Longer welding periods suitable for higher amperage applications due to the heavy duty contactor rated at 425 Amps at 60%.

RELIABILITY

Even in the harshest environments the single potted tray circuit board design reduces maintenance costs and downtime.

SUPERIOR LOW END PERFORMANCE

Excellent arc performance and welding characteristics when welding at lower currents, either with small wire sizes or out of position applications.

QUICK SET-UP & REVIEW

Operator friendly adjustments including easy to read digital Amp & Volt meters.

OPERATOR CONVENIENCE

Packed with features at your fingertips - including emergency isolation on/off switch, trigger hold, gas purge and wire inch.

QUICK CHANGE ROLLERS

No tools required due to Miller's patented quick lock hub system providing the operator quick and easy drive roller change when switching between wire sizes.

ROBUST CASE DESIGN

For maximum impact protection for all onsite environments and extreme conditions while extending consumable storage life. Door can be opened to change wire with feeder in vertical condition.

APPLICATIONS

- Construction
- Shipbuilding
- Construction
- Heavy Manufacturing
- Rental

PROCESSES

- MIG (GMAW)
- Flux Cored (FCAW)

3 YEAR WARRANTY

For details, refer to Miller's True Blue warrant statement.



WELDING MODE	INPUT WELDING CIRCUIT RATING	WIRE SPEED	ELECTRODE WIRE DIAMETER CAPACITY	MAX SPOOL SIZE CAPACITY	DIMENSIONS (MM)	WEIGHT
CC or CV/DC	425 A at 60% Duty Cycle	1.3 - 19.8 m/min	Solid Wire: 0.6 - 1.6mm Flux Cored: 0.9 - 2.0mm	305mm diameter up to 20kg	H: 394 W: 229 D: 533	15.9kg



Suitcase 12RC

Part No: MR300663004



WELDING MODE	INPUT POWER	WIRE SPEED	ELECTRODE WIRE DIAMETER CAPACITY	DIMENSIONS (MM)	WEIGHT
CV/DC	24 VAC, 10 A, 50/60 Hz	1.9 - 17.8m/min	Solid Wire: 0.6 - 1.6mm Flux Cored: 0.9 - 2.0mm	H: 394 W: 229 D: 533	11.6kg

22A

Part No: MR300615



WELDING MODE	INPUT POWER	WIRE SPEED	ELECTRODE WIRE DIAMETER CAPACITY	DIMENSIONS (MM)	WEIGHT
CV/DC	24 VAC, 7 A, 50/60 HZ	1.9 - 19m/min	Solid Wire: 0.6 - 1.6mm Flux Cored: 0.9 - 2.0mm	H: 279 W: 273 D: 597	15.4kg

70 Series

Part No: MR300616 [S-74S Standard]

Part No: MR300617 [S-74D Digital]

Part No: MR300620 [D-74D Digital Dual]



WELDING MODE	INPUT POWER	WIRE SPEED	ELECTRODE WIRE DIAMETER CAPACITY	DIMENSIONS (MM)	WEIGHT
CV/DC	24 VAC, 10 A, 50/60 Hz	1.3 - 19.8m/min	Solid Wire: 0.9 - 1.6mm Flux Cored: 1.2 - 2.8mm	S-74 Single: H: 356 W: 318 D: 711 D-74 Dual: H: 356 W: 533 D: 889	S-74 Single: 26kg S-74 D-74 Dual: 39.5kg

74 MPa Plus

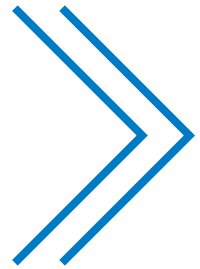
Part No: MR300577



INPUT POWER	WIRE SPEED	ELECTRODE WIRE DIAMETER CAPACITY	DIMENSIONS (MM)	WEIGHT
CV/DC	1.3 - 19.8m/min	Solid Wire: 0.9 - 1.6mm Flux Cored: 1.2 - 2.8mm	D-74 MPa Plus (Dual Feeder): H: 356 W: 533 D: 889	D-74 MPa Plus (Dual Feeder): 39.5kg



Accessories



Remote Hand Control

Part No: MR300430 [Includes 14-Pin Receiver]



NO CORDS – IMPROVES SAFETY AND REDUCES MAINTENANCE TIME

IMPROVES PRODUCTIVITY

Allows parameter adjustments up to 300 feet away from welder without returning to the machine or calling for assistance.

SMART™ TOUCH BUTTONS

Increases or decreases machine parameters in one or five percent increments, for quick and accurate adjustments.

EASY TO INSTALL RECEIVER

Plugs directly into the 14-pin receptacle of Miller machines.

EXTENDS WELDING RANGE TO 91M

IMPROVES WELD QUALITY WITH PRECISE OPERATOR CONTROL

DIGITAL METER DISPLAY

EASY TO USE

LONG BATTERY LIFE

1 YEAR WARRANTY



Remote Foot Control

Part No: MR300429 [Includes 14-Pin Receiver]



NO CORDS – IMPROVES SAFETY

Eliminates control cord and reduces potential trip hazard.

IMPROVES PRODUCTIVITY & MANOEUVRABILITY

Eliminates cord tangles, reduces clean up time and work area cord clutter.

EASILY PROGRAMMABLE

Control can be quickly and easily paired with any other Miller 14-pin wireless receiver. (Control is pre-programmed when purchased with the receiver).

MULTIPLE FREQUENCY SHARING

Allows up to 20 systems to operate in a 27.4m radius with accuracy and precision - and without delay or system interference.

IMPROVES RELIABILITY

Eliminates control cord failure.

EXTENDS WELDING RANGE TO 27.4M

IMPROVES WELD QUALITY WITH PRECISE OPERATOR CONTROL

AUTO ON TO MAXIMISE BATTERY LIFE UP TO 250 HOURS

1 YEAR WARRANTY





Coolmate

Part No: MR043007012 [115 Volt]

Part No: MR043008012 [230 Volt]



COOLMATE 3 (115 VAC, 50/60 HZ)

For use with water-cooled torches rated up to 600 Amps. Runs on 115 VAC. Unique paddle-wheel indicator, external filter and easy-fill spout. 11 litre capacity.

COOLMATE 3 (230 VAC, 50/60 HZ)

For use with water-cooled torches rated up to 600 Amps. Runs on 230 VAC. Unique paddle-wheel indicator, external filter and easy-fill spout. 11 litre capacity.

Coolmate 3.5

Part No: MR300245



Designed to integrate with the Dynasty and Maxstar 350 and 700 power sources. For use with water-cooled torches rated up to 600 amps. 13 litre capacity.

Coolmate 4

Part No: MR042288015

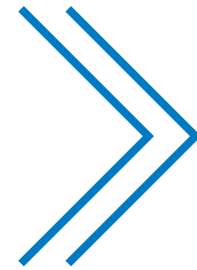


For use with water-cooled torches rated up to 600 Amps. Runs on 115 VAC. The best performer in its class. Tough moulded polyethylene case with carrying handle. 15 litre capacity.





Auto- Darkening Helmets



**DESIGNED BY WELDERS
FOR WELDERS**



AUTO-DARKENING HELMETS

Auto-Darkening Helmets

Part No: Black - 257213

Part No: Inferno - 257217

Part No: Lucky's Speed Shop - 257214

Part No: Joker - 257218

Digital Elite™ Series



BLACK

INFERNO

LUCKY'S SPEED SHOP

THE JOKER

NEW FEATURES



NEW 3 YEAR WARRANTY

Designed to withstand industrial environments, Miller helmets now come with a 3 year warranty (Auto-darkening lens only).



NEW IMPROVED DIGITAL CONTROLS

Allows the user to easily adjust mode and settings.



NEW LIGHTWEIGHT HEADGEAR

Designed with user comfort in mind, the headgear has multiple adjustability settings to achieve the best fit.

AUSTRALIAN STANDARDS

The Miller Digital Elite Series™ have been tested in Australia and comply with High Impact AS/NZS 1337.1 and AS/NZS 1338.1.



SUITS A WIDE RANGE OF WELDING PROCESSES

MIG, Stick, TIG, Flux Cored and Pulse.

LIGHTWEIGHT

At only 510g, the helmet can be worn for long periods, keeping operator fatigue to a minimum.

BATTERY POWERED WITH SOLAR ASSIST

Provides exceptionally long life. Replaceable battery.

MAGNIFYING LENS COMPATIBLE

Add a magnifying lens if required. *Magnifying lens not included.

FOUR INDEPENDENT ARC SENSORS

Provide continuous arc sensing for the most demanding applications plus superior lens response.

BONUS ACCESSORIES INCLUDED:

- > 5 outside cover lenses.
- > 2 inside cover lenses.
- > Helmet bag.

PRODUCT SPECIFICATIONS	
Viewing Area	97 x 60mm
Operating Modes	4 Modes: Weld, Cut, Grind, X-Mode
Arc Sensors	4 Independent Sensors Plus X-Mode
Variable Shades	9-13
Light State	4 (All Modes)
Grind Mode	Shade 4
Cut Mode	Shade 5-9
X-Mode	Shade 9-13
TIG Rating	5 Amps and Below
Power	Replaceable Lithium Battery up to 3000 Hours
Switching Speed (Light - Dark)	1/20,000 Sec
Delay Speed (Dark - Light)	0.10-1.0 Sec
On/Off Control	Automatic
Magnifying Lens Holder	Yes
Weight	510g
Standards	Complies with AS/NZ 1337.1, AS/NZ 1338.1 and ANSI Z87.1-2003 (High Impact) & DIN/TUV/CSA
Warranty	3 Years (Auto-Darkening Lens Only)
Rec. Amps GMAW (MIG) MMAW (Stick)	Up to 400 Amps*
Rec Amps GTAW (TIG)	5-350 Amps**

DIGITAL LENS TECHNOLOGY	
WELD	Suits MIG, Stick, TIG, Flux Cored and Pulse welding processes. Shades 9-13.
CUT	Suits Plasma, Laser, Gas welding and cutting applications. Shades 5-9.
GRIND	Suits weld preparation and clean-up. Fixed shade 3.
X-MODE	Electromagnetic arc sensing technology eliminates sunlight interference, intermittent sensing (pipe), low amperage lens openings (TIG) & obstructed sensors. Shades 9-13.

PARTS AND ACCESSORIES	
Front Lens Gasket	216337
Front Lens Cover (5 Pk)	216326P
Filter Lens Gasket	234758
Filter Lens	256469
Inside Lens Cover	216327P
Lens Holder	234759
Battery Holder (Left & Right)	216339
Replacement Lithium Battery (X2)	217043
Ratchet Headgear	256174
Comfort Cushion	216336
Sweatband Towelling (5 Pk)	770299
Adjustment Angle/Stop Kit	256178
Helmet Carry Bag with Miller Logo	770250
Magnifying Lens	212238P 212240P 212242P

*X-Mode eliminates sunlight interference, intermittent sensing (pipe), low amperage lens openings (TIG) and obstructed sensors.
 **Amperage ratings may vary for processes involving aluminium and stainless steel.



Titanium Series

Part No: Titanium 9400 - 256176

Part No: Titanium 9400i - 256177



NEW PRODUCT

Designed for the Industrial User



EXCLUSIVE! INFOTRACK™ TECHNOLOGY.



TITANIUM 9400

TITANIUM 9400i

NEW TESTED TO AUSTRALIAN STANDARDS

The Miller Titanium Series™ helmets have been tested in Australia and comply with High Impact AS/NZS 1337.1 and AS/NZS 1338.1.

NEW EXTERNAL GRIND CONTROL*

Allows the user to switch between weld and grind modes at the push of a button. *Available on 9400 model only.

NEW DIGITAL CONTROLS

Allows the user to easily adjust shade, sensitivity and InfoTrack™.

SUITS HIGH AMPERAGE APPLICATIONS

The shell reflects heat to assist in keeping the helmet and user cool, while the aluminium heat shield protects and extends the working life of the lens and helmet.



NEW 3 YEAR WARRANTY

Designed to withstand industrial environments, the Titanium Series™ helmets come with a 3 year warranty (Auto-darkening lens only).



NEW INFOTRACK™ TECHNOLOGY

Exclusive arc tracking technology that includes a digital clock and alarm, makes it possible to track welding time.



NEW INTEGRATED GRIND SHIELD*

Provides 180° field of view while grinding and complies with Australian High Impact Standards. *Only available on 9400i model.



NEW LIGHTWEIGHT HEADGEAR

Designed with user comfort in mind, the headgear has multiple adjustability settings to achieve the best fit.



BATTERY POWERED WITH SOLAR ASSIST

Provides exceptionally long life. Replaceable lithium batteries for up to 3000 hours.

FOUR INDEPENDENT ARC SENSORS

Delivers a superior lens response for the most demanding applications.

X-MODE

Weld, cut and grind with one helmet. Plus, there's X-Mode for outdoor or out-of-position welding.

X-Mode eliminates:

- > Sunlight interference.
- > Intermittent sensing – pipe.
- > Low amperage lens openings – TIG.
- > Obstructed sensors.

MAGNIFYING LENS COMPATIBLE

Add a magnifying lens* if required. Available in 1.5, 2.0 and 2.5 magnification. *Magnifying lens not included.

DURABLE SHOCK-ABSORBING GASKET

Protects the lens from drop impact.

BONUS ACCESSORIES INCLUDED

- > 5 outside cover lenses.
- > 2 inside cover lenses.
- > Helmet bag.

DIGITAL LENS TECHNOLOGY (WITH EXCLUSIVE INFOTRACK™ TECHNOLOGY)	
WELD	Suits MIG, Stick, TIG, Flux Cored and Pulse welding processes. Shades 9-13.
CUT	Suits Plasma, Laser, Gas welding and cutting applications. Shades 5-9.
GRIND	Suits weld preparation and clean-up. Fixed shade 3.
X-MODE	Electromagnetic arc sensing technology eliminates sunlight interference, intermittent sensing (pipe), low amperage lens openings (TIG) and obstructed sensors. Shades 9-13.

PRODUCT SPECIFICATIONS		
	TITANIUM 9400	TITANIUM 9400i
Viewing Area	97 x 60mm	97 x 60mm
Operating Modes	Weld, Cut, Grind & X-Mode*	Weld, Cut, Grind & X-Mode*
Arc Sensors	4 Independent Sensors Plus X-Mode	4 Independent Sensors Plus X-Mode
InfoTrack™ Lens Technology	Yes	Yes
Variable Shades	9-13	9-13
Light State	4 (All Modes)	4 (All Modes)
Grind Mode	Shade 4	Lift Front Grind Shield
Cut Mode	Shades 5-9	Shades 5-9
X-Mode	Shades 9-13	Shades 9-13
TIG Rating	5 Amps	5 Amps
Power	Replaceable Lithium Batteries (2) with Solar Assist: up to 3000 Hours	Replaceable Lithium Batteries (2) with Solar Assist: up to 3000 Hours
Low Battery Light	Red LED Shows 2-3 Days of Remaining Battery Life	Red LED Shows 2-3 Days of Remaining Battery Life
Switching Speed (Light-Dark)	1/20,000 Sec	1/20,000 Sec
Delay Speed (Dark-Light)	0.10-1.0 Sec	0.10-1.0 Sec
On/Off Control	Automatic	Automatic
Magnifying Lens Holder	Yes	Yes
Weight	595g	737g
Standards	Complies with, AN/NZS 1337.1, AS/NZS 1338.1, ANSI Z87.1-2003 (High Impact) & DIN/TUV/CSA	Complies with, AN/NZS 1337.1, AS/NZS 1338.1, ANSI Z87.1-2003 (High Impact) & DIN/TUV/CSA
Warranty	3 Years (Auto-Darkening Lens Only)	3 Years (Auto-Darkening Lens Only)

*X-Mode eliminates sunlight interference, intermittent sensing (pipe), low amperage lens openings (TIG) and obstructed sensors.



Trusted by the best



HOBART

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