



# SMARTWELD 500 AIR

WELDER GENERATOR & INVERTER PACKAGE - AUSTRALIAN MINE SITE APPROVED

500 AMPS - 50HZ - 55 CFM



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V.B.4.1





# SMARTWELD

## COMPLIANCE DATA

Compliant to AS/NZS 3010:2017 Electrical Installations – Generating Sets Compliant to AS 3000:2018 Wiring Rules for Generating Sets.

1. \*Audit Based on BMA Standard Vehicles and Mobile Equipment BMA-STD-0005/0006
2. Testing and Compliance in accordance to S227 of the Electrical
3. AS/NZS:60204.1: 2005 ELECTRICAL AUDIT (AS30002018)
4. AS/NZS:3010: 2017 ELECTRICAL AUDIT ((Safety Regulations 2013)
5. AS/NZS:60204.1: 2005 ELECTRICAL AUDIT (AS602042015)
6. AS/NZS:60204.1: 2005 ELECTRICAL AUDIT (Regulation2019-3-1)

2x Fuel Senders, 1 to round fuel gauge, 1 to controller at 10% fuel level to initiate orange flashing light warning on canopy top, (NO shutdown on low fuel needed).

## Standard Features

- Fully programmable generator controller with digital readout 4 Pole Battery Isolator Switch
- Anderson Plug for jump start
- On/Off Switches lockable
- Lockable fuel filling door
- 1 x 50 Amp outlet 3Ø, 1 x 32 Amp outlet 3Ø
- 2 x 15 Amp outlet 1Ø
- Hard Wire Terminal Box
- Door Safety Switches on All Doors
- Pad lockable control panel door
- Pad lockable circuit breaker panel door
- Same Side Servicing
- Emergency Stop
- Compressor Load/Unload Switch
- Compressor oil cooling by fully S/S water cooled plate heat exchanger Air Filter and Regulator
- Low Coolant level shut down
- Low fuel flashing orange light
- Dry air filtration system (Air water separator & After-cooler) Stainless Steel Braided Fuel Lines Fully Bundled
- 150 litre Fuel Tank

## Optional Extras

- Breathing Air Filtration with CO2
- Roll cage.
- Welder storage module.
- Clean Breathing air filtration unit.
- \*Audit Based on BMA Standard Vehicles and Mobile Equipment BMA-STD-0005/0006.

## Dimensions

- Dimensions: (mm) 1680L x 955W x 1260H
- Weight: 1100 Kg
- DBA rating: 78 dba



## THE ULTIMATE WELDING PACKAGE

### WELDER, GENERATOR, AIR COMPRESSOR, MULTI-PURPOSE UNIT

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## LINCOLN FLEXTEC 500X - WELDER SPECIFICATIONS

FLEXTEC 500X - *Powerful Performance From the Ground Up*

It pays to keep it simple in the shipyards, construction sites and fabrication shops. The Flextec 500X multi-process welder is easy to set up and operate yet rugged enough for heavy-duty indoor and outdoor applications. Basic pulse MIG capability is standard on the Flextec 500X, including weld modes for carbon steel, stainless steel, aluminium and metalcore electrodes. The Flextec 500X welder is also equipped with CrossLinc® technology giving you the flexibility to control the machine from hundreds of feet away without a control cable.

Flextec power sources support multiple weld processes: MIG, TIG, Stick, Gouging and FCAW. Flextec welders can be used with nearly all Lincoln Electric wire feeders due to available feeder communication connections.

### Features

- Simple interface for ease of use.
- CrossLinc technology eliminates extra cables for simple system setup.1

### Reliable

- IP 23 rating means the Flextec 500X welders, such as construction sites and shipyards, will excel in outdoor environments.
- Flextec 500X welder is Desert Duty® rated for operation in harsh environments (up to 55C).
- Durable trayed and potted PC boards for electronics environmental protection.

### Crosslinc technology compatibility

- Full functionality without control cables.
- Enables remote procedure setting at the feeder to improve weld quality.
- Increases arc time with fewer trips to the power source to adjust settings.
- Improves safety by reducing job site clutter.

## LN-25X - PORTABLE INDUSTRIAL WIRE FEEDER

We understand the needs of those working hard in the field daily. Whether you're working on a large structure in a shipyard or you're 100 feet off of the ground, your safety and efficiency should never be jeopardized. The less you have to move, the more valuable you are. We believe good equipment should never limit your capabilities, and the LN-25X wire feeder with CrossLinc® and True Voltage Technology™ (TVT™) helps you get the job done with drastically less movement.

### FEATURES

- Maxtrac® Wire Drive System – Heavy-duty cast aluminium wire drive system provides reliable feeding and durability.
- CrossLinc® Technology – Control output at a distance with no additional cables.
- True Voltage Technology™ (TVT™) – Voltage drop compensation. Get what you set.
- Tachometer feedback ensures accurate wire feed speed.
- Trigger Interlock Switch – Provides operator comfort for long welds.
- Replaceable and Flame Resistant Case – Protects internal components, easy to replace.
- Potted PC Boards – For moisture and corrosion protection.
- Split Wire Guide — Reduces birdnesting and allows for easy cleaning and no-fuss wire guide alignment.
- Bright digital meters for easy viewing even in bright sunlight.
- Included Tweco-style male connector on the input power cable. (Twistmate/Dinse connector on CE model)
- Optional Flowmeter – for easy gas flow adjustment at the feeder. • Weld Timers – Pre-Flow, Post-Flow, and Burn Back. • Adjustable Wire Run-In Speed – for softer starting.
- Configurable for English or metric units.
- Arc Hours Meter.



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## THE ULTIMATE WELDING PACKAGE

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# "GET SMART" AS WE HAVE YOU COVERED EVERYWHERE ANYTIME

## SYSTEM SPECIFICATIONS

Complies with AS/NZS 3010:2017 Electrical Installations - Generating Sets and are wired to AS 3000:2018 Wiring Rules.

The SMARTWELD 500 AIR has been specifically engineered to meet the highest Australian standards and perform in the harshest environmental conditions. The 3 in 1 - 500 amp Welder, 55 cfm rotary screw Air Compressor and 38 Kva 50Hz generator system, was designed to be fully site compliant with industry regulations.

The Smartweld package provides plenty of compressed air to perform arc air gouging and plasma cutting. There is enough power for remote power supply requirements. The system is the ultimate standalone multi-function workstation, allowing operators to perform all the on-site maintenance repair tasks easily and effectively.



AUSTRALIAN MANUFACTURED FOR AUSTRALIAN CONDITIONS 

## SMARTWELD 500 AIR // TECHNICAL DATA

### ALTERNATOR

Make **Leroy-Somer**  
 Model **TAL-A42-E**  
 Frequency **50hz**  
 Rated Prime Power **38 Kva @ 415/240**  
 Rated Amps **53.2/Phase**  
 Standby Power **41.8 Kva @ 415/240**  
 Standby Amps **58.5/Phase**  
 Insulation **H Class**  
 Power Factor **0.8**  
 Phase **3 Phase**

### ENGINE

Make **Deutz**  
 Model **BFM3C**  
 Engine Speed **RPM 1500**  
 Continues Power **40kW**  
 Prime Power **45kW**  
 Standby Power **50 kW**  
 Fuel System **Electronic Control**  
 Displacement (L) **3.168**  
 Bore/Stroke (mm) **98/105**

### COMPRESSOR

Type **Oil Injected**  
 Rotary Screw **5001-P0028**  
 Air Flow **55 CFM**  
 Pressure **150 PSI**  
 Air Outlet **3/4" BSP**  
 Solenoid Unloader Voltage **12 Volt**  
 Drive Type **Belt**

### CONTROLLER

Make **CompAp Intelite**  
 Model **MRS11**

- Fabrication • Construction • Pipe Line • Mobile Machinery • Outstanding Gouging Capability • Ship Building
- Energy Generation • Repair & Maintenance • Auto-fan -Reduces energy consumption and dirt intake.
- Limited 3 year warranty. \*MEA terms & Conditions apply\* • 12 months or 1000hrs on generator • 3 years on compressor.

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