



**MEEA**  
MOBILE ENERGY AUSTRALIA

# SMARTWELD 500 AIR

*Contact us to register your interest today...*

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***Australian Mine Site Approved***



## The Ultimate Welding Package

### 500 amps - 50 Hz - 65 cfm

WELDER, GENERATOR, AIR COMPRESSOR, MULTI-PURPOSE UNIT

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## ALTERNATOR

Make	Leroy-Somer TAL-
Model	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 Continues	RPM 1500
Power Prime Power	40kW
Standby Power	45kW
Fuel System	50 kW
Displacement (L)	Electronic Control
Bore/Stroke (mm)	3.168 98/105

## 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

## CONTROLLER

Make	ComAp
Model	InteliLite
MRS11	

## COMPRESSOR

Type	Oil Injected
Rotary Screw	5001-P0028
Air Flow	65 CFM
Pressure	150 PSI
Air Outlet	¾” BSP
Solenoid Unloader Voltage	12 Volt
Drive Type	Belt

## OPTIONAL EXTRAS

- Breathing Air Filtration with C02
- 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	1100Kg
DBA rating	78 dba

## WELDER SPECIFICATIONS

### FEATURES BENEFITS WARRIOR™ 500i CC/CV

#### Multi-Process

Includes MIG, Flux-Cored, Stick, Live TIG Start and Arc Gouging gives you the flexibility at work: • Flux-Cored and Solid wire, 0.8 -1.6 mm. • Carbon Arc Gouging up to 9.5 mm (3/8 in.). • 6010 (cellulosic) capability. High Duty cycle for long runs and various applications giving high productivity. Durable and rugged IP23 rating for outdoor and indoor use in rough environment. Easy to use Simple and clear user interface for everyone to get started quickly. Robust and ergonomic handles Also for mechanical lifting. Sun friendly display Easy to read outdoor. Inverter technology Smaller, lighter and less energy cost, gives you value for money. Generator compatible for flexible use in different job sites. Automatic Hot Start/Variable Arc Control To support your different demands. Wide input voltage range 342V to 456V to accommodate variation in the power grid or generators. QUALITY AND ENVIRONMENT APPLICATIONS IP23 rated - Withstands rain with the fan on. • Fabrication • Construction • Pipe Line • Mobile Machinery • Outstanding Gouging Capability • Ship Building • Energy Generation • Repair & Maintenance • Rental Air tunnel design - Clean and dirty side in the machine to ensure long-term reliability. Autofan - Reduces energy consumption and dirt intake. 3 years warranty.

### TECHNICAL DATA WARRIOR™ 500i CC/CV

#### Mains Supply, 3 ph 50/60HZ

Mains cable, Ø mm<sup>2</sup> Fuse, Motor Start Type or Circuit Breaker Type C, A Maximum load at: 100% duty cycle A/V, 3ph 60% duty cycle A/V, 3ph Setting range A MIG/FCAW Stick (MMAW) TIG Open circuit voltage, V Open circuit voltage (VRD ON), V Idle Power, W Efficiency at max. current % Power factor at max current Enclosure class Dimensions (l x w x h mm) with cooling unit (l x w x h mm) Weight, kg With cooling unit excl coolant, kg Operating Temperature, °C Application class

#### TECHNICAL DATA, WARRIOR™ FEED 304

Power supply, VAC Wire spool capacity, kg Max. spool diameter, mm Wire feed speed, m/min Dimension incl. bobbin cover (l x w x h mm) Weight incl. bobbin cover, kg Wire dimensions: Steel Stainless steel Aluminum Cored wire Enclosure class

#### TECHNICAL DATA, WATER COOLING UNIT

Power supply, from power source Coolant flow capacity, l/min Cooling power, kW Max pressure, bar Max pressure height to torch, m Weight / incl. coolant, kg Dimensions incl. filler tube l x w x h mm Enclosure class

WARRIOR™ 500i CC/CV, 380-415V Supplied with 3m mains cable



## SYSTEM SPECIFICATIONS

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



# SMARTWELD

## "GET SMART" As we have you covered **Everywhere Anytime**

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, 65 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.

**OPTIONAL EXTRAS:** breathing air filtration system with after-cooler.  
ESAB 301 AVS - Wire Feeder.

## AUSTRALIAN MANUFACTURED FOR AUSTRALIAN CONDITIONS



## WELDER SPECIFICATIONS

## WARRIOR™ 500i CC/CV

Multi Process includes MIG, Flux-Cored, Stick, Live TIG Start and Arc gouging giving you plenty of work flexibility. Flux Cored and Solid wire 0.8-1.6mm. Carbon Arc gouging 10mm. Compatible with existing LN-25 wire feeder. High Duty cycle for long runs allowing higher productivity. Durable and rugged IP23 rating for indoor and outdoor environment.

Easy to use with simple and clear user interface. Robust handles for mechanical lifting. Sun friendly display making it easier to read outdoors. Inverter technology offering you cost savings with less energy used. Generator compatible for flexible use on different job sites.

Automatic Hot Start/Variable Arc control to support your different requirements. Wide input voltage range from 342 V to 456 V to accommodate variation when connected directly to the power grid.

## QUALITY AND ENVIRONMENTAL APPLICATIONS

The Warrior complies with the requirements of EN 60974-1 and IEC 974-1 as well as IEC/EN 60974 -1/-2 and EN 60974-10.

- 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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