



SMARTWELD 500 AIR

WELDER GENERATOR & INVERTER PACKAGE - AUSTRALIAN MINE SITE APPROVED

500 AMPS - 50HZ - 55 CFM



P: (07) 3273 6803 W: www.mobileenergyaustralia.com.au E: sales@mobileenergyaustralia.com.au

V.B.4.2

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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FEATURES AND BENIFITS - ESAB WARRIOR 500i SPECIFICATIONS

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 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.



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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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