

## ENGINE DRIVEN WELDER DSP 500 PS CHOPPER TECHNOLOGY



- High frequency Digital Control of welding current
- Multi process welder:
  - SMAW: Shielded Metal Arc welding (Stick)
  - GMAW: Gas Metal Arc Welding (MIG)
  - FCAW: Flux Cored Arc Welding (Flux Cored)
  - GTAW: Gas Tungsten Arc Welding (TIG) - Contact starting
- Low welding current range (50%) in C.C. mode
- EP7 engine shutdown (oil pressure/high temperature/low fuel/battery charge)
- Auxiliary power (up to 16 kVA)
- Ground Fault Interrupter protection
- Large (60 l) fuel tank for up to 14 hours operation
- Perkins, water cooled diesel engine (1500 rpm) EURO 2 compliant
- Meets EEC directives

Standard equipment												
	Diesel engine	Water cooling	Engine protection and economizer	Electric starter	Engine shut down temp.	Engine shut down oil	Engine shut down battery charge	Engine shut down low fuel gauge	Warning light for preheating glow plug	Battery 12V	Hour meter	Fuel level gauge
	Welding Digital Control	Asynchronous alternator	Welding voltmeter ammeter	Auxiliary voltmeter	Ground fault interrupter	Thermal Shut off	Ready for RC	Emergency stop button	Central lifting eye			
Options on request	<ul style="list-style-type: none"> <li>● Plugs</li> <li>● Remote control RC1-RC1/90° with cable 20m</li> </ul>		<ul style="list-style-type: none"> <li>● Welding cables K500 (20+15m, 50mm<sup>2</sup>)</li> </ul>					<ul style="list-style-type: none"> <li>● Site tow CTL22</li> <li>● Road tow CTV1</li> </ul>				
Version on request	<ul style="list-style-type: none"> <li>● Spark arrestor muffler</li> <li>● Polarity change</li> </ul>		<ul style="list-style-type: none"> <li>● V.R.D. (Voltage Reduction Device)</li> <li>● Other voltages and frequencies (60Hz)</li> </ul>					<ul style="list-style-type: none"> <li>● Earthing kit MT10 / MT25</li> </ul>				
AUX Version	<ul style="list-style-type: none"> <li>● 400T (1x32A5P) - 230M (1x32A - 1x16A) - 48M (prese dinse)</li> <li>● 400T (1x32A5P) - 230M (1x32A) - 110CTE (1x32A - 1x16A)</li> </ul>		<ul style="list-style-type: none"> <li>● On request 60Hz version</li> </ul>									

### Technical data

### DSP 500 PS

#### D.C. WELDING - SMAW (Stick)/ GTAW (TIG) - CONSTANT CURRENT (C.C)

Current Range	10 - 500 A
Open Circuit Voltage	62V
Duty Cycle	500A-35%; 450A-60%; 400A-100%

#### D.C. WELDING - GMAW (Mig)/ FCAW (Flux Cored) - CONSTANT VOLTAGE (C.V)

Voltage Range	16 - 40V
Duty cycle	450A-60%; 400A-100%

#### A.C. GENERATION

Asynchronous, three-phase, self-excited, self-regulated, brushless

Three-phase generation	16 kVA / 400 V / 23.1 A
Single-phase generation	12 kVA / 230 V / 52.2 A
Single-phase generation	6 kVA / 110 V / 54.5 A
Single-phase generation	5 kVA / 48 V / 104 A
Duty cycle	100%
Insulating class	H

#### ENGINE

Diesel, 4-stroke, water cooled

Type	PERKINS 404 C-22G
Output *	20.3 kW (27.6 HP)
Speed	1500 rpm
Displacement	2216 cm <sup>3</sup>
Cylinders	4
Fuel consumption	243 g/kWh

\* Maximum output (not overloadable) according to ISO 3046/1

#### GENERAL SPECIFICATIONS

Tank capacity	60 l
Running time (at duty cycle 60%)	14 h
Protection	IP 23
Dimensions * Lxwxh (mm)	1720x980x1110
Weight *	750 kg
Measured Acoustic Power **	93 LWA (68 dB(A) - 7 m)
Garanted Acoustic Power **	94 LWA (69 dB(A) - 7 m)

\* Dimensions and weight are inclusive of all parts without wheels and towba. \*\* Acoustic power according to 2000/14/CE

**Values shown are nominal values. For further information please contact the sales department.**