

## ENGINE DRIVEN WELDER DSP 600 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)
- Low welding current range (50%) in C.C. mode
- Auxiliary power (up to 30 kVA)
- Ground Fault Interrupter protection
- Large (65 l) fuel tank for up to 16 hours operation
- V.R.D. (Voltage Reduction Device)
- Perkins, water cooled diesel engine (1500 rpm)
- Engine protection (oil pressure/temperature/over speed)
- Meets EEC directives



Standard equipment												
	Diesel engine	Water cooling	Electric starter	Battery 12V	Hour meter	Engine protection	Fuel level gauge/low fuel	Central lifting eye	Low oil	High Temperature	Battery charger indicator	
Options on request												
	Welding Digital Control	Asynchronous alternator	Auxiliary voltmeter	Welding voltmeter	Welding Ammeter	Voltage Reduction Device	Ground fault interrupter	Socket 400V EEC	Socket 230V EEC	Thermal Shut off	Ready for RC	
Options on request	<ul style="list-style-type: none"> <li>Plug 400V / ?V</li> <li>Plug 230V / ?V</li> </ul>		<ul style="list-style-type: none"> <li>Welding cables K500 (20+15m, 50mm<sup>2</sup>)</li> <li>Remote control RC1 with cable 20m</li> </ul>			<ul style="list-style-type: none"> <li>Site tow CTL35</li> <li>Road tow CTV1</li> <li>Earthing kit MT10 / MT25</li> </ul>			On request order			<ul style="list-style-type: none"> <li>Polarity Change</li> </ul>

### Technical data

### DSP 600 PS

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

Contact starting (TIG)	
Current Range	10 - 600 A
Open Circuit Voltage	60V
Duty Cycle	600A-35%; 550A-60%; 500A-100%

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

Voltage Range	16 - 44V
Duty cycle	550A-60%; 500A-100%

#### A.C. GENERATION Asynchronous, three-phase, self-excited, self-regulated, brushless

Three-phase generation	30 kVA / 400 V / 43.3 A
Single-phase generation	15 kVA / 230 V / 65.2 A
Single-phase generation (option)	8 kVA / 110 V / 72.7A
Duty cycle	100%
Insulating class	H

#### ENGINE Diesel, 4-stroke, water cooled

Type	Perkins 1103A 33G
Output (Stand-by)	30.4 kW (40.8 HP)
Output (P.R.P.)	27.7 kW (37.1 HP)
Speed	1500 rpm
Displacement	3300 cm <sup>3</sup>
Cylinders	3
Fuel consumption	211 g/kWh

#### GENERAL SPECIFICATIONS

Tank capacity	65 l
Running time (at duty cycle 60%)	16 h
Protection	IP 23
Dimensions * Lxwxh (mm)	2050x850x1135
Weight *	980 kg
Noise level	96 LWA (71 dB(A) - 7 m)

\* Dimensions and weight are inclusive of all parts without wheels and towbar

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