

ENGINE DRIVEN WELDER

TS 500 PS/EL - CC/CV

- Electronic regulation of welding current and voltage
- Constant current or constant voltage operation
- Special circuit for cellulose (Base current) electrodes
- Air arc gouging outlet
- Auxiliary power (up to 20 kVA)
- Ground Fault Interrupter protection
- Large (60 l) fuel tank for 12 to 14 hours operation
- Fuel level gauge
- Perkins, water cooled diesel engine (1500 rpm)
- Engine protection (oil pressure/temperature/over speed)
- Complies with EEC directives



Standard equipment											
	Diesel engine	Water cooling	Electric starter	Battery 12V	Battery charger indicator	Hour counter	Engine protection	Oil pressure indicator	Fuel level gauge/low fuel	Central lifting eye	Cold start aid
Options on request											
	Welding current regulation	STICK or MIG-MAG	Asynchronous alternator	Base current	Ground fault interrupter	Socket 400V EEC	Socket 230V EEC	Thermal Shut off	Voltmeter	Ready for TC	

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| <ul style="list-style-type: none"> ● Plug 400V 32A 3PNT (T) ● Plug 230V 32A or 16A 2PT (M) ● Version on request 110V | <ul style="list-style-type: none"> ● Remote control TCPL4 with cable 20m ● Welding cables K500 (20+15m, 50mm²) ● Welding Voltmeter/Ammeter Kit AV1 | <ul style="list-style-type: none"> ● Site tow CTL22 ● Road tow CTV1 ● Earthing kit MT10 / MT25 |
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Technical data TS 500 PS/EL CC/CV

D.C. WELDING CONSTANT CURRENT (CC)	
Current range, continuous	20 - 500 A
Open circuit voltage	60 V
Duty cycle	500A -35%, 450A -60%, 400A -100%
Electrode diameter	2 - 8 mm
D.C. WELDING CONSTANT VOLTAGE (CV)	
Load voltage range	15 - 40 V
Duty Cycle	400A - 100%
Wire diameter	0.8 - 2.8 mm
A.C. GENERATION Asynchronous, three-phase, self-excited, self-regulated, brushless	
Three-phase generation	20 kVA / 400 V / 28.8 A
Single-phase generation	12 kVA / 230 V / 52.2 A
Single-phase generation (option)	6 kVA / 110 V / 54.5 A
Duty cycle	100%
Insulating class	H
ENGINE Diesel, 4-stroke, water cooled	
Type	PERKINS 3.1524
Output *	27.1 kW (36.3 HP)
Speed	1500 rpm
Displacement	2500 cm ³
Cylinders	3
Fuel consumption	215 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)	1950x872x1120
Weight *	925 kg
Noise level**	97 LWA (72 dB(A) - 7 m)
* Dimensions and weight are inclusive of all parts without wheels and towbar ** LWA conforms to EEC directive 535	

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