

ENGINE DRIVEN WELDER TS 500 PS/EL - BC 60Hz

- Perkins water cooled diesel engine
- Positive crankcase ventilation for less oil and dust in the radiator
- Engine shut-down protection (oil pressure/water temperature)
- Electronic regulation of welding current
- Special circuit for cellulose (pipe line) electrodes
- Low range (20-200 A) for small electrodes
- Auxiliary power (up to 16 kVA 400V) available while welding
- Ground fault interrupter protection
- Large (60 l) fuel tank for up to 15 hours operation
- Fuel level gauge with reserve indicator
- Running gear (optional)



Standard equipment											
	Diesel engine	Water Cooled	Electric starter	Battery 12V	Battery charger indicator	Hour counter	Engine protection	Low oil pressure	High water temperature	Fuel level gauge/low fuel	Central lifting eye
Options on request											
	Welding current electr. regulation	Base current	Asynchronous alternator	Voltmeter	Ground fault interrupter	Socket 400V EEC	Socket 230V EEC	Socket 110V EEC	Thermal shut off	Ready for TC	Emergency stop button
Version on request	<ul style="list-style-type: none"> ● Plugs ● Spark arrestor muffler ● Polarity change 			<ul style="list-style-type: none"> ● Remote control TC2-TC2/50 with cable 20m ● Welding cables K400 (20+15m, 50mm²) ● Other voltages 			<ul style="list-style-type: none"> ● Site tow CTL22 ● Road tow running gear CTV1 ● Earthing kit MT10 				

Technical data

TS 500 PS/EL-BC 60Hz

D.C. WELDING

Current range, continuous	20 - 500 A
Open circuit voltage	70 V
Duty cycle	450 A - 60%, 400 A - 100%

A.C. GENERATION

60 Hz, asynchronous, three-phase, self-excited, self-regulated, brushless

Three-phase generation	16 kVA / 440 V / 21 A
Single-phase generation	12 kVA / 254 V / 47.2 A
Single-phase generation	6 kVA / 110 V / 54.5 A
Duty cycle	100%
Insulating class	H

ENGINE

Diesel, 4-stroke, water cooled

Type	PERKINS 404 C-22G
Output *	23.9 kW (32.1 HP)
Speed	1800 rpm
Displacement	2216 cm ³
Cylinders	4
Fuel consumption	245 g/kWh

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

GENERAL SPECIFICATIONS

Tank capacity	60 l
Running time (at duty cycle 60%)	15 h
Protection	IP 23
Dimensions * Lxwxh (mm)	1720x980x1110
Weight *	780 kg
Noise level	94 LWA (69 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.