

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

- Arc welding source in D.C. welding
- Welds any type of electrode, including cellulosic
- Electronic regulation of welding current
- Special BC (Base Current) circuit for pipes descending welding
- Double welding range (20A-200A / 20A-500A)
- Arc Gouging dedicated sockets
- A.C. generator, single-phase and three-phase
- Aux power also available while welding
- Ground fault interrupter
- Engine Diesel PERKINS water cooled 1800 rpm
- Engine protection ES
- Super silenced
- Emergency stop button
- Site tow CTL22 (on request)
- Welding remote control (on request)
- Meets EC directives



Standard equipment												
	Diesel engine	Water cooling	Electric starter	Battery 12V	Engine protection	Low press. shut down	High temp. engine shut down	Battery charge alarm	Fuel level gauge	Low fuel indicator	Warning light for preheating glow plug	Hours-meter
Options on request												
	Asynchronous alternator	Welding current electr. regulation	Base current diode bridge	Socket 3~	Socket 1~	Ground fault interrupter	Thermal shut off	Voltmeter	Emergency Stop button	Ready for TC	Central lifting eye	
Options on request	<ul style="list-style-type: none"> <li>● 400V Plugs</li> <li>● 230V Plugs</li> <li>● 110V Plugs</li> <li>● Tank locking cap</li> </ul>				<ul style="list-style-type: none"> <li>● Welding cables K400 (20+15m, 50mm<sup>2</sup>)</li> <li>● Remote control: TC2 (cable 20m) - TC2/50 (cable 20m)</li> <li>● Welding kit (mask, gloves, etc.)</li> </ul>				<ul style="list-style-type: none"> <li>● Remote control adaptor RC/TC</li> <li>● Earthing kit</li> <li>● Site tow CTL22</li> <li>● Road trolley CTV1</li> </ul>			
Version on request	<ul style="list-style-type: none"> <li>● Auxiliary output: 400Y - 230I - 48I : 1x400V 32A 3P+N+T CEE - 1x230V 32A 2P+T CEE - 1x230V 16A 2P+T CEE</li> <li>● Auxiliary output: 400Y - 230I - 110I : 1x400V 32A 3P+N+T CEE - 1x230V 32A 2P+T CEE - 1x110V 32A 2P+T CEE - 1x110V 16A 2P+T CEE</li> <li>● TS 500 PS-PL: Version with polarity change e spark arrestor</li> </ul>											
Factory installation option	<ul style="list-style-type: none"> <li>● Spark arrestor</li> </ul>											

### Technical data

### TS 500 PS/EL- BC

<b>D.C. WELDING (Constant Current)</b>	
Current range, continuous	20A ÷ 500A
Duty cycle	500A-35%; 450A-60%; 400A-100%
Open circuit voltage	70V
<b>A.C. GENERATION - 60Hz</b>	
Three-phase asynchronous alternator, self-regulated, self-excited, 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 / 54.4 A
Single-phase generation	5 kVA / 48 V / 104 A
Insulation class	H
<b>ENGINE</b>	
Diesel, 4-stroke, aspirated, indirect injection, water cooled	
Model	Perkins 404D-22G
* Output	22.6 kW (30.7 HP)
Speed	1800 rpm
Displacement / Cylinders	2.216 l (2216 cm <sup>3</sup> ) / 4
Fuel consumption (welding 60%)	4.2 l/h
* Maximum output (not overloadable) according to ISO 3046-1	
<b>GENERAL SPECIFICATIONS</b>	
Tank capacity	60 l
Running time (welding 60%)	14.5 h
IP protection degree	IP 23
* Dimensions LxHxW (mm)	1720x980x1110
* Dry weight	780 kg
Acoustic power L <sub>WA</sub> (pressure L <sub>pA</sub> )	94 dB(A) (69 dB(A) @ 7m)
* Dimensions and weight without trolley/trailer. ** Acoustic power according to European Directive 2000/14/EC	

Mosa reserves the right to change this specification without notice. For further information please contact the sales department