

## ENGINE DRIVEN WELDER TS 400 PS/EL- BC

- 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-400A)
- 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 1500 rpm
- Engine protection ES
- Super silenced
- Emergency stop button
- Site tow CTL22 (on request)
- Welding remote control (on request)
- Meets EC directives for noise and security



Standard equipment												
	Asynchronous alternator	Welding current electr. regulation	Base current diode bridge	Socket 3~	Socket 1~	Output 48 V	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 CTE : 1x400V 32A 3P+N+T CEE - 1x230V 32A 2P+T CEE - 1x110V 32A 2P+T CEE - 1x110V 16A 2P+T CEE</li> <li>● TS 400 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 400 PS/EL- BC

<b>D.C. WELDING (Constant Current)</b>	
Current range, continuous	20A ÷ 400A
Duty cycle	400A-60%; 350A-100%
Open circuit voltage	70V
<b>A.C. GENERATION - 50Hz</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, direct injection, water cooled	
Model	Perkins 404D-22G
* Output	20.3 kW (27.6 HP)
Speed	1500 rpm
Displacement / Cylinders	2.216 l (2216 cm <sup>3</sup> ) / 4
Fuel consumption (welding 60%)	3.8 l/h
* Maximum output (not overloadable) according to ISO 3046-1	
<b>GENERAL SPECIFICATIONS</b>	
Tank capacity	60 l
Running time (welding 60%)	16 h
IP protection degree	IP 23
* Dimensions LxHxW (mm)	1720x980x1110
* Dry weight	780 kg
** Measured acoustic power L <sub>WA</sub> (pressure L <sub>pA</sub> )	91 dB(A) (66 dB(A) @ 7m)
** Guaranteed acoustic power L <sub>WA</sub> (pressure L <sub>pA</sub> )	92 dB(A) (67 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