

# ENGINE DRIVEN WELDER TS 615 V S/EL-BC - V SX/EL-BC

- Electronic regulation of welding current
- Totally controlled diode bridge
- Special circuit for cellulose electrodes (Base Current)
- Air arc gouging outlet
- Auxiliary power (up to 20 kVA) available while welding
- Ground fault interrupter protection
- Engine protection (oil pressure, temperature)
- Large (68 l) fuel tank for up to 15 hours operation



Standard equipment											
	Diesel engine	Air cooling	Electric starter	Battery 12V	Battery charger indicator	Hour counter	ES Engine protection	Oil pressure indicator	Oil temperature	Fuel level gauge/low fuel	Central lifting eye
Options on request											
	Welding current regulation	Base Current	Asynchronous alternator	Voltmeter	Socket 400V EEC	Socket 230V EEC	T Thermal shut off	D Ground fault interrupter	Ready for TC		

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| <b>Options on request</b><br> | <ul style="list-style-type: none"> <li>● Plug 400V 32A 3PNT (T)</li> <li>● Plug 230V 32A or 16A 2PT (M)</li> <li>● Version on request 110V or 48V</li> </ul> | <ul style="list-style-type: none"> <li>● Remote control TC2 with cable 20m</li> <li>● Remote control TC2/50 with cable 50m</li> <li>● Welding cables K500 (20+15m, 50mm<sup>2</sup>)</li> <li>● Welding Voltmeter/Ammeter Kit AV1</li> </ul> | <ul style="list-style-type: none"> <li>● Site tow CTL22</li> <li>● Road tow running gear CTV1</li> <li>● Earthing kit MT10 / MT25</li> </ul> |
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Technical data	TS 615 V S/EL-BC	TS 615 V SX/EL-BC
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<b>D.C. WELDING</b>		
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<b>Current range, continuous</b>	20 - 550 A	20 - 550 A
<b>Open circuit voltage</b>	60 V	60 V
<b>Duty cycle</b>	550A -35%, 500A -60%, 400A -100%	550A -35%, 500A -60%, 400A -100%
<b>Electrode diameter</b>	2 - 8 mm	2 - 8 mm

<b>A.C. GENERATION</b>		
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<b>50 Hz, asynchronous, three-phase, self-excited, self-regulated, brushless</b>		
<b>Three-phase generation</b>	20 kVA / 400 V / 28.9 A	20 kVA / 400 V / 28.9 A
<b>Single-phase generation</b>	15 kVA / 230 V / 65.2 A	15 kVA / 230 V / 65.2 A
<b>Single-phase generation (option)</b>	7.5 kVA / 110 V / 68.2 A	7.5 kVA / 110 V / 68.2 A
<b>Single-phase generation (option)</b>	5 kVA / 48 V / 104 A	5 kVA / 48 V / 104 A
<b>Duty cycle</b>	100%	100%
<b>Insulating class</b>	H	H

On request other voltages and frequencies (60 Hz)

<b>ENGINE</b>		
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<b>Diesel, 4-stroke, air cooled</b>		
<b>Type</b>	VM SUN 3105	VM SUN 3105
<b>Output *</b>	31 kW (42 HP)	31 kW (42 HP)
<b>Speed</b>	1500 rpm	1500 rpm
<b>Displacement</b>	2985 cm <sup>3</sup>	2985 cm <sup>3</sup>
<b>Cylinders</b>	3	3
<b>Fuel consumption</b>	210 g/kWh	210 g/kWh

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

<b>GENERAL SPECIFICATIONS</b>		
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<b>Tank capacity</b>	68 l	68 l
<b>Running time (at duty cycle 60%)</b>	15 h	15 h
<b>Protection</b>	IP 23	IP 23
<b>Dimensions * Lxwxh (mm)</b>	1940x850x1080	1940x850x1080
<b>Weight *</b>	920 kg	940 kg
<b>Noise level**</b>	98 LWA (73 dB(A) - 7 m)	93 LWA (68 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.**