

# ENGINE DRIVEN WELDER WITH THREE FUNCTIONS TS 300 SX/EL-HI

- Heat exchanger for hydraulic unit
- Welder - Generating set - Hydraulic unit
- Super silenced (SX)
- Asynchronous alternator
- Diesel engine - Air cooled
- Site/road towing (optional)
- Electronic regulation of welding current
- Use a welder in environment with increased risk of electric shocks
- Electronic control for hydraulic unit



Standard equipment										
	Diesel engine	Air cooling	Electric starter	Battery 12V	Battery charger indicator	Hour counter	Engine protection	Oil pressure indicator	Low fuel indicator	Central lifting eye
Options on request										
	Welding current electr. regulation	Arc force	Asynchronous alternator	Voltmeter	Socket 400V EEC	Socket 230V EEC	Ground fault interrupter	Fuse		
	<ul style="list-style-type: none"> <li>● Plug 400V 32A 3PNT (T)</li> <li>● Plug 230V 32A 2PNT (T)</li> <li>● Plug 230V 16A 2PT (M)</li> </ul>				<ul style="list-style-type: none"> <li>● Welding cables K400 (20+15m, 50mm )</li> <li>● Remote control TC2/TC4 with cable 20m</li> <li>● 110V or 48V</li> </ul>					<ul style="list-style-type: none"> <li>● PH17 pair of hydraulic tubes (l=7m)</li> <li>● Site tow CTL22</li> <li>● Road tow running gear CTV3</li> <li>● Earthing kit MT10</li> </ul>

## Technical data TS 300 SX/EL-HI

D.C. WELDING	20 - 300 A	GENERATION	50 Hz, asynchronous, three-phase, self-excited, self-regulated, brushless
Current range, continuous	20 - 300 A	A.C. Three-phase generation	10 kVA / 400 V / 14.4 A
Open circuit voltage	70 V	A.C. Single-phase generation	5 kVA / 230 V / 21.7 A
Duty cycle	300 A -60%, 250 A -100%	A.C. Single-phase generation (option)	2.5 kVA / 110 V / 22.7 A
Electrode diameter	2 - 6 mm	C.C. Single-phase generation (option)	5 kVA / 48 V / 104 A
		Duty cycle	100%
		Insulating class	H
ENGINE	Diesel, 4-stroke, air cooled	GENERAL SPECIFICATIONS	
Type	Ruggerini RD210	Tank capacity	26 l
Output *	14 kW (19 HP)	Running time	9 h
Speed	3000 rpm	Protection	IP 23
Displacement	954 cm <sup>3</sup>	Dimensions * Lxwxh (mm)	1400x850x840
Cylinders	2	Weight *	445 kg
Fuel consumption	245 g/kWh	Noise level**	93 LWA (68 dB(A) - 7 m)
* Maximum output (not overloadable) according to ISO 3046/1		* Dimensions and weight are inclusive of all parts without wheels and towbar	
		** LWA conforms to EEC directive 535	

### HYDRAULIC UNIT EQUIPPED WITH:

- Double gear pump delivery of 20/30 litres/min. at working speed and according to the use requirements.
- Work pressure 0-150 bar according to the load applied to the tool.
- Tank capacity 25 litres.
- Oil distribution unit made of an extruded aluminium block, complete with electrovalves for delivery selection, pressure limiting valve, quick connectors for connection to the distribution tubes.
- Electronic control of the unit.  
The card, through 3 pushbuttons on the machine front, operates one or both electrovalves to supply the quantity of oil requested by the tools of the 1st group (20 litres/min.) or of the 2nd group (30 litres/min.) at the operator's choice.
- Pump control with visualization of the chosen delivery and automatic protection in case of hydraulic oil filter cloggings or low hydraulic oil level with stopping the supply and visualizing the alarm.
- Hydraulic circuit provided with oil/air heat exchanger for continuous use of the hydraulic power take-off..

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