

# ENGINE DRIVEN WELDER TS 300 SY/EL - SXY/EL CC/CV



- Electronic regulation of welding current and voltage
- Constant current or constant voltage operation
- Auxiliary power (10 kVA)
- Arc force for cellulose electrodes
- Large (30 l) fuel tank for up to 12 hours operation
- Yanmar, water cooled diesel engine
- Engine protection (oil pressure/temperature)
- Complies with EEC directives

Standard equipment											
	Diesel engine	Water cooling	Electric starter	Battery 12V	Battery charge indicator	Hour counter	Engine protection	Fuel level gauge/low fuel	Oil pressure indicator	High temperature	Warning light for preheating glow plugs
Options on request											
	Welding current electr. regulation	STICK or MIG-MAG	Arc force	Asynchronous alternator	Voltmeter	Ground fault interrupter	Socket 400V EEC	Socket 230V EEC	Thermal shut off	Ready for TC	Central lifting eye
Version on request	● Engine protection and economizer EP1 (Auto idle)			● Isometer			● Other voltages and frequencies (60 Hz)				
							● Spark arrestor muffler				

Technical data	TS 300 SY/EL CC/CV	TS 300 SXY/EL CC/CV
<b>D.C. WELDING COSTANT CURRENT (CC)</b>		
Current range, continuous	20 - 300 A	20 - 300 A
Open circuit voltage	65 V	65 V
Duty cycle	300 A 35%, 250 A - 60%, 200 A - 100%	300 A 35%, 250 A - 60%, 200 A - 100%
Electrode diameter	2 - 6 mm	2 - 6 mm
<b>D.C. WELDING COSTANT VOLTAGE (CV)</b>		
Load Voltage range	200A @ 100%	200A @ 100%
Duty cycle	15-40 V	15-40 V
Wire diameter (MIG-MAG)	0.8 - 1.6 mm	0.8 - 1.6 mm
<b>A.C. GENERATION</b>		
	<b>50 Hz, asynchronous, three-phase, self-excited, self-regulated, brushless</b>	
Three-phase generation	10 kVA / 400 V / 14.4 A	10 kVA / 400 V / 14.4 A
Single-phase generation	6 kVA / 230 V / 26 A	6 kVA / 230 V / 26 A
Single-phase generation (option)	4 kVA / 110 V / 36.4 A	4 kVA / 110 V / 36.4 A
Duty cycle	100%	100%
Insulating class	H	H
<b>ENGINE</b>		
	<b>Diesel, 4-stroke, water cooled</b>	
Type	YANMAR 3 TNE 68	YANMAR 3 TNE 68
Output *	12.9 kW (17.3 HP)	12.9 kW (17.3 HP)
Speed	3000 rpm	3000 rpm
Displacement	784 cm <sup>3</sup>	784 cm <sup>3</sup>
Cylinders	3	3
Fuel consumption	250 g/kWh	250 g/kWh
* Maximum output (not overloadable) according to ISO 3046/1		
<b>GENERAL SPECIFICATIONS</b>		
Tank capacity	30 l	30 l
Running time (at duty cycle 60%)	12 h	12 h
Protection	IP 23	IP 23
Dimensions * Lxwxh (mm)	1441x698x890	1441x698x890
Weight *	400 kg	415 kg
Noise level**	99 LWA (74 dB(A) - 7 m)	96 LWA (71 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.**