

## ENGINE DRIVEN WELDER TS 350 SY/EL - SXY/EL CC/CV



- Electronic regulation of welding current and voltage
- Constant current or constant voltage operation
- Special circuit for cellulose electrodes (base current)
- Low range (20-200 A) for small electrodes
- Auxiliary power (12 kVA)
- Large (32 l) fuel tank for up to 10 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	Low fuel indicator	Warning light for preheating glow plugs	Central lifting eye
Options on request										
	Welding current elect. regulation	STICK or MIG-MAG	Base current	Asynchronous alternator	Voltmeter	Ground fault interrupter	Thermal shut off	Socket 400V EEC	Socket 230V EEC	Ready for TC
Version on request	<ul style="list-style-type: none"> <li>● Plug 400V 32A 3PNT (T)</li> <li>● Plug 230V 32A 2PT (M)</li> <li>● Plug 230V 16A 2PT (M)</li> </ul>			<ul style="list-style-type: none"> <li>● Plug 110V 16A 2PT (M)</li> <li>● Welding cables K400 (20+15m, 50mm)</li> <li>● Remote control TCPL4 with cable 20m<sup>2</sup></li> </ul>			<ul style="list-style-type: none"> <li>● Site tow CTL400</li> <li>● Road tow CTV3</li> <li>● Earthing kit MT10</li> </ul>			
	<ul style="list-style-type: none"> <li>● Engine protection and economizer EP1 (Auto idle)</li> </ul>			<ul style="list-style-type: none"> <li>● Isometer (only SX vers)</li> </ul>			<ul style="list-style-type: none"> <li>● Other voltages and frequencies (60Hz)</li> <li>● Spark arrestor muffler</li> </ul>			

Technical data	TS 350 SY/EL CC/CV	TS 350 SXY/EL CC/CV
<b>D.C. WELDING COSTANT CURRENT (CC)</b>		
Current range, continuous	20 - 350 A	20 - 350 A
Open circuit voltage	65 V	65 V
Duty cycle	350 A 35%, 320 A - 60%, 270 A - 100%	350 A 35%, 320 A - 60%, 270 A - 100%
Electrode diameter (STICK)	2 - 6 mm	2 - 6 mm
<b>D.C. WELDING COSTANT VOLTAGE (CV)</b>		
Load voltage range	270A @ 100%	270A @ 100%
Duty cycle	15-40 V	15-40 V
Wire diameter (MIG-MAG)	0.8 - 2 mm	0.8 - 2 mm
<b>A.C. GENERATION</b>		
<b>50 Hz, asynchronous, three-phase, self-excited, self-regulated, brushless</b>		
Three-phase generation	12 kVA / 400 V / 17.3 A	12 kVA / 400 V / 17.3 A
Single-phase generation	7 kVA / 230 V / 30.4 A	7 kVA / 230 V / 30.4 A
Single-phase generation (option)	3.5 kVA / 110 V / 32 A	3.5 kVA / 110 V / 32 A
Duty cycle	100%	100%
Insulating class	H	H
On request other voltages and frequencies (60 Hz)		
<b>ENGINE</b>		
<b>Diesel, 4-stroke, water cooled</b>		
Type	YANMAR 3 TNE 74	YANMAR 3 TNE 74
Output *	16.6 kW (22.3 HP)	16.6 kW (22.3 HP)
Speed	3000 rpm	3000 rpm
Displacement	1006 cm <sup>3</sup>	1006 cm <sup>3</sup>
Cylinders	3	3
Fuel consumption	275 g/kWh	275 g/kWh
* Maximum output (not overloadable) according to ISO 3046/1		
<b>GENERAL SPECIFICATIONS</b>		
Tank capacity	32 l	32 l
Running time (at duty cycle 60%)	10 h	10 h
Protection	IP 23	IP 23
Dimensions * Lxwxh (mm)	1550x930x900	1550x930x900
Weight *	475 kg	495 kg
Noise level**	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.