



## Engine Driven Welder

### CS 230 YSX-CC/CV Eco - Diesel

#### Key Features

- Arc welding source in D.C. welding
- SMAW: Shielded Metal Arc Welding (Stick)
- GTAW: Gas Tungsten Arc Welding (TIG)
- GMAW: Gas Metal Arc Welding (MIG)
- High frequency welding current and voltage control
- A.C. generator, single-phase 230V/110V
- Aux power also available while welding
- MOSA power optimiser (patent pending)
- Auto idle control
- Super silenced
- Large tank (23 litres) - 23 Hours
- Meets EC directives for noise and safety

#### C.C. Welding (Constant Current) SMAW (Stick)/GTAW (TIG)

Current range	20 ÷ 210A
Duty cycle	210A - 60%, 180A - 100%
Open circuit voltage	65V

#### C.C. Welding (Constant Current) GMAW (MIG)/FCAW (Flux Cored) CV (Constant Voltage)

Current range	15 ÷ 30V
Duty cycle	210A - 60%, 180A - 100%

#### A.C. Generation - 50Hz - Three-Phase Asynchronous Alternator, Self-Regulated, Self-Exciting, Brushless

Single-phase power	5 kVA (4 kW) / 230V / 21.7A
Single-phase power	2.5 kVA (2.0 kW) / 110V / 22.7A
Insulation class	H

#### Engine - Diesel, 4-Stroke, Direct Injection, Air Cooled

Model	Yanmar L 100 N
Output*	6.5 kW (8.8 HP)
Cylinders / Displacement	1 / 435cm <sup>3</sup>
Speed	3000 rpm
Fuel consumption (welding 60%)	1.0 l/h

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

#### General Specifications

Tank capacity	23 litres
Running time (welding 60%)	23 hours
IP protection degree	IP 23
Dimensions LxWxH (mm)*	1020 x 645 x 930
Dry weight*	230 Kg
Measured acoustic power LwA (pressure LpA)**	91 dB(A) (66 dB(A) @ 7m)
Guaranteed acoustic power LwA (pressure LpA)	92 dB(A) (67 dB(A) @ 7m)

\* Values shown do not include trolleys \*\* Acoustic power according to European Directive 2000/14/EC.



#### Optional

- Wirefeeder WF4 (for MIG welding)
- Remote control: TC7
- Welding kit (mask, gloves, etc.)
- Welding cables
- Exhaust extension
- Spark arrestor
- Chalwyn valve
- Earthing kit
- Trolley CTM2
- Road trailer

Diesel Engine	Air Cooling	Electric Starter	Battery 12V	Engine Protection	Low Pressure Shut Down	Low Fuel Shut Down
Battery Charge Alarm	Hours-Meter	Central Lifting-Eye	VRD	Asynchronous Alternator	Welding Current Electric Regulation	CC/CV Welding Mode
Arc Control	Sockets	Ground Fault Interruptor	Thermal Shut Off	Voltmeter	Ready for TC/RC	AUTO IDLE

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