

## ENGINE DRIVEN WELDER MAGIC WELD 200 YDE CHOPPER TECHNOLOGY

- Arc welding source in D.C. welding
- Welds any type of electrodes, including cellulosic
- High frequency control of welding current and voltage
- MOSA Power Optimizer (patent pending)
- High performing Permanent Magnets Alternator
- Inverter generated single-phase 50Hz auxiliary output
- Yanmar, air cooled, diesel engine
- Economizer (Auto Idle)
- Electric starter
- Low oil pressure automatic engine shut down
- Very compact design within protective frame
- Wheels and handles (optional)
- Meets EC directives



Standard equipment 											
	Diesel engine	Air cooling	Electric starter	Low press. shut down	Battery charge alarm	AUTO IDLE	Battery 12V				
Options on request 											
	Permanent magnet alternator	Welding current electr. regulation		Socket	Electronic protection aux. current	Ready for RC					
Version on request 	<ul style="list-style-type: none"> <li>• 230V plug</li> <li>• Remote control RC2 - RC2/90° (cable 20m)</li> <li>• Welding cables: K185 (4.5+3m, 35mm<sup>2</sup>)</li> <li>• Welding cables: K190 (10+8m, 35mm<sup>2</sup>)</li> <li>• Welding cables: K200 (20+15m, 35mm<sup>2</sup>)</li> <li>• Welding parallel cables K 2x150 (35mm )</li> <li>• Manual trolley TRM-MW200 (n. 4 foldable handles)</li> <li>• Manual trolley CTM-MW200</li> <li>• Auxiliary output 110V 50Hz</li> <li>• Auxiliary output 110V 60Hz</li> </ul>										

### Technical data

### MAGIC WELD 200 YDE

#### D.C. WELDING (Constant Current)

Current range	20 - 200 A
Duty cycle	170 A - 60%
Open circuit voltage	70 V

#### A.C. GENERATION - 50Hz

Permanent magnets alternator, self-excited, brushless

Single-phase power (max)	3.3 kVA / 230 V / 14.3 A
Single-phase power (continuous)	3 kVA / 230 V / 13 A
Insulation class	H

#### ENGINE

Diesel 4-stroke, direct injection, air cooled

Model	Yanmar L70N
* Output	4.9 kW (6.7 HP)
Speed	3600 rpm
Cylinders / Displacement	1/ 320 cm <sup>3</sup>
Fuel consumption (welding 60%)	1.0 l/h

\* Maximum output (not overloadable) according to SAE J1349

#### GENERAL SPECIFICATIONS

Tank capacity	3.3 l
Running time (welding 60%)	3.3 h
IP protection degree	IP 23
* Dimensions LxIhx (mm)	630x490x540
* Dry weight	91 kg
** Acoustic power LwA (pressure LpA)	103 dB(A) (78 dB(A) @ 7 m)

\* Dimensions and weight without trolley/trailer. \*\* For fixed installation only.