

ENGINE DRIVEN WELDER MAGIC WELD 200 YDE

language

The images are for reference

WELDING PROCESS



Shielded Metal Arc welding SMAW (STICK)



FEATURES

- Arc welding source in D.C. welding
- · High frequency control of welding current and voltage
- Power optimiser (patent pending)

petrol

electric

starte

- Auto Idle
- Single-Phase, 50Hz aux current, inverter generated
- Protective frame
- Meets EC directives

DEFINITIONS

SMAW: Coated electrode welding is an arc welding with protected metal.

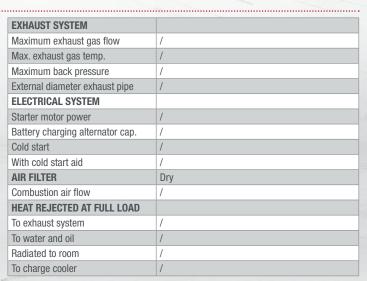
GMAW: welding is an arc process with metal under gas protection.

FCAW (FLUX CORED): The process with cored wires is very similar to MIG / MAG welding. Continuous wire is not full but consists in a metal strip that wraps a powders core (flow).

GTAW: is a welding process that uses a tungsten electrode that cannot melt.

ENGINE 3600 RPM

4 STROKE, NATURAL ASPIRATED				
Model	YANMAR L70V			
* Stand-By net power	4.8 kW (6.6 HP)			
* PRP net power	4.3 kW (5.8 HP)			
* COP net power	/			
Cylinders / Displacement	1 / 320 cm ³			
Bore / Stroke	78mm / 67mm			
Compression ratio	/			
BMEP (Brake Mean Effective Pressure : LTP - PRP)	1			
Speed governor type	Centrifugal speed governor			
FUEL CONSUMPTION				
110 % (Stand-by power)	1.5 lit./h			
100 % to PRP	1.4 lit./h			
75 % to PRP	1 lit./h			
50 % to PRP	0.7 lit./h			
COOLING SYSTEM	/			
Total system cap only engine	/			
Fan air flow	/			
LUBRICATION SYSTEM	/			
Total oil system capacity	/			
Oil capacity in sump	1.11			
Oil consumption at full load	/			





* Output powers according to ISO 3046-1



CHARACTERISTICS OF WELDING AND GENERATION

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D.C. WELDING

CONSTANT CURRENT			
Current range	20 ÷ 200A		
Type of regulation	continue		
Duty cycle	170 A - 60%		
Open circuit voltage	72 V		
Arc force control	No		

GENERAL SPECIFICATIONS

Fuel tank capacity	3.3 I
Fuel consumption (welding 60%)	1.1 l/h
Running time (welding 60%)	3.3 h
Starter battery	12 Vdc -18Ah / 310A CCA(EN)

Α.	C.	Gen	TION

IP protection degree	IP 23
* Acoustic power LwA (pressure LpA)	103 dB(A) (78 dB(A) @ 7 m)
Performance class (ISO 8528)	/
* Only for fixed installation in the EU market.	

	PERIVIANENT MAGNET ALTERNATOR, SELF-EXGTED, BRUSHLESS	
Insulation class	H	

AUXILIARY GENERATION

	OUTPUT 1	
	STANDARD 230Vdc	VOLTAGE 110 Vdc
Type of source	Single-Phase	Single-Phase
Frequency	50 Hz / 60Hz	50 Hz / 60Hz
Power kVA (Power kW) Max	3.3 kW	2.1 kW
Cos φ	0.8	0.8
Voltage	230 V ±1%	110V±1%
Max current	14.3 A	19 A

CONTROL PANEL

- Start and stop engine key
- · Low oil pressure shutdown
- Battery charge warning light fault •
- Welding control adjustment knob
- Welding sockets
- Auxiliary generation overload led
- Output sockets: 1x 230V 16A 2P+T CEE 1x 230V 16A 2P+T SCHUK0 (option) 1x 110V 16A 2P+T CEE (option)

SIMULTANEOUS UTILIZATION FACTORS

WELDING CURRENT	≥ 150A	125A	100A	75A	50A	0A
SINGLE-PHASE POWER 230V	0kVA	0,8kVA	1,5kVA	2,1kVA	2,5kVA	3kVA
SINGLE-PHASE POWER 110V	0kVA	0,5kVA	1kVA	1,3kVA	1,5kVA	1,8kVA

The use of the Auxiliary Generation is recommended for tools related to welding (wheels, electric hammers, lights, etc ...)





WELD 200 YDE

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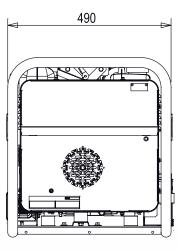
WEIGHT - DIMENSIONS ACCESSORIES

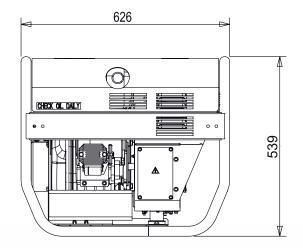
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Kg

DRY WEIGHT: • 91 Kg The welding machine pictured may include optional accessories.

DIMENSION PICTURE (mm)





OPTIONS ON REQUEST

- Welding cables: K185 (4.5+3m, 35mm²) K190 (10+8m, 35mm²) K 200 (20+15m, 35mm²)
- Welding parallel cables K2x150 (35mm²)
- Manual trolley TRM-MW200 (n. 4 foldable handles)
- Manual trolley CTM-MW200D
- Welding kit (mask, gloves, etc.)

VERCION	ON	REQUEST
VLIGIUI		NLUULJI

- SCHUKO Version110V 50Hz Version
- 110V 60Hz Version



GENERAL INFORMATION

COMPLIANCE GENERATING SETS WITH EC DIRECTIVES AND STANDARDS 2006/42 / EC (Machines Directive) 2014/35 / EU (Low Voltage Directive) 2014/30 / EU (EMC Directive) 2000/14 / EC (Directive Acoustic Emission for machines for use outdoors) ISO 8528 (Reciprocating internal combustion engine driven alternating current generating sets)



ISO 9001:2015 - Cert. 0192

WARRANTY

All devices are covered by the manufacturer's warranty.

The company reserves the right to change this specification without notice. For further information please contact the sales department. © MOSA - Viale Europa, 59 - 20090 Cusago (Milano) - Italy -phone + 39-0290352.1 - fax + 39-0290390466 E-mail: info@mosa.it Web site: www.mosa.it

