



ENGINE DRIVEN WELDER TS 200 BS/EL | BS/EL P

language

The images are for reference





Shielded Metal Arc welding SMAW (STICK)



FEATURES

- Arc welding source in D.C. welding
- Welds any type of electrode, including cellulosic
- The steel stretcher provides protection for the entire machine
- A.C. generator, single-phase and three-phase
- Aux power also available while welding

petro

manua

recoil

- Ground fault interruptor
- Engine shut-down (oil alert)
- Meets EC directives



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

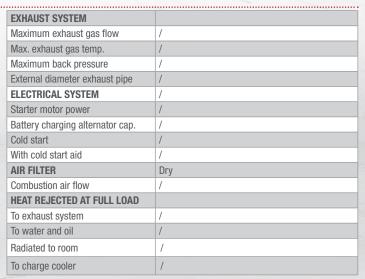
GMAW: welding is an arc process with metal under gas protection.

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 3000 RPM

4 STROK	E, OHV, NATURAL ASPIRATED
Model	HONDA - GX 390
* Stand-By net power	8.2 kWm (11.1 hp)
* PRP net power	6.4 kWm (8.7 hp)
* COP net power	/
Cylinders / Displacement	1 / 389 cm ³ (0.39 lt.)
Bore / Stroke	88 / 64 (mm)
Compression ratio	8.2 : 1
BMEP (Brake Mean Effective Pressure : LTP - PRP)	1
Speed governor type	Mechanical
FUEL CONSUMPTION	
110 % (Stand-by power)	3.5 lt./h
100 % to PRP	3.2 lt./h
75 % to PRP	2.4 lt./h
50 % to PRP	1.6 lt./h
COOLING SYSTEM	Aria
Total system cap only engine	/
Fan air flow	/
LUBRICATION SYSTEM	
Total oil system capacity	/
Oil capacity in sump	1.1 lt.
Oil consumption at full load	/







TS 200 BS/EL P

WELDING AND GENERATION

language

C.C. WELDING

COSTANT CURRENT		
	TS 200 BS/EL	TS 200 BS/EL P
Current range	20 ÷ 155A	20 ÷ 170A
Type of regulation	con	tinue
Duty cycle	55 A - 60% 120 A - 100% 170 A - 60% 140 A - 1	
Open circuit voltage	65 V	
Arc Force Regulation	No	

GENERAL SPECIFICATIONS

Fuel tank capacity	6.1	Running time (welding 60%)	/
Starter Battery	2 l/h	IP protection degree	IP 23
Fuel consumption (welding 60%)	3 h	Acoustic power LwA (pressure LpA)	98 dB(A) (73 dB(A) @ 7 m)

A.C. GENERATION

ASYNCRONOUS THREE-PHASE, SELF-EXCITED, BRUSHLESS	
Insulation class	Н

GENERAZIONE AUSILIARIA

OUTPUT 1		OUTPUT 2			
	TS 200 BS/EL	TS 200 BS/EL P		TS 200 BS/EL	TS 200 BS/EL I
Type of source	Three	-phase	Type of source	Single	-phase
Frequency	50	Hz	Frequency	50	Hz
Apparent Power (Active Power)	6 KVA (4.8 kW)	Apparent Power (Active Power)	4 kVA (3.2 kW)
Cos φ		/	Cos φ		/
Voltage	40	OV	Voltage	23	60V
Current	8.	7 A	Current	17	4 A

OUTPUT 3				
	TS 200 BS/EL	TS 200 BS/EL P		
Type of source	Single-phase	/		
Frequency	50 Hz	/		
Apparent Power (Active Power)	2 kVA (1.6 kW)	/		
Cos φ	/	/		
Voltage	48V	/		
Current	41.6 A	/		

OUTPUT 4				
	TS 200 BS/EL	TS 200 BS/EL P		
Type of source	Single	Single-phase		
Frequency	50	50 Hz		
Apparent Power (Active Power)	2 kVA (1.6 kW)			
Cos φ	0.8			
Voltage	110V	110V (CTE)		
Current	18.	18.2 A		

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





CONTROL PANEL

language

Engine

- 12Vdc 24Vdc engine starter output
- AUX generation voltmeter
- Differential switch
- Overcurrent protections for AUX sockets
- AUX socket voltage indicator lights
- Earth terminal (PE)

STARTER FOR ENGINE

	TS 200 BS/EL	TS 200 BS/EL P
Battery 12 Vdc	•	•
Battery 24 Vdc	•	

Welding

- Welding (-) socket
- (+) Soldering socket
- Welding current regulator
- Welding remote control connector
- Welding remote control enabling switch



SIMULTANEOUS UTILIZATION FACTORS

WELDING CURRENT	>155 A	120 A	70 A	0
THREE-PHASE POWER 400V	0	1.8 kVA	4 kVA	6 kVA

COMBINATIONS AVAILABLE SOCKETS

		VERSION	
	TS 200 BS/EL	TS 200 BS/EL P	
There are a second	400V/230V	SCHUKO	230V/110V
1x400V 16A 3P+N+T CEE	•	•	
1x230V 16A 2P+T CEE	•	•	•
1x230V 16A 2P+T Schuko		•	
1x48V 32A 2P	•		
1x110V 32A 2P+T			•
1x110V 16A 2P+T			•





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TS 200 BS/EL

WEIGHT - DIMENSIONS ACCESSORIES

language

DRY WEIGHT: • 106 Kg		The welding machine pictured may include optional accesso
DIMENSION PICTURE		
		525 >
OPTIONS ON REQUEST xhaust extension emote control: TC2 (cable 20m)	VERSION ON REQUEST 230V / 110V version (BS / EL P Vers. Only) SCHUKO version (BS / EL P Vers. Only)	FACTORY INSTALLATION OPTIONS
TC2/50 (cable 50m) 'elding cables: K190 (10+8m, 35mm ²) K 200 (20+15m, 35mm ²) 'elding kit (mask, gloves, etc.) anual trolley CTM 200 arthing kit	No.	

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

