

ENGINE DRIVEN WELDER TS 200 BS/CF

The images are for reference

WELDING PROCESS



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
- Engine shut down for low oil level (oil alert)
- 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.



air
cooled



petrol



manual
recoil

ENGINE 3000 RPM

4-TEMPI, OHV	
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	/
Cylinder / 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)	/
Speed governor type	Mechanical
FUEL CONSUMPTION	
110 % (Stand-by power)	3.5 lt./h
100 % of PRP	3.2 lt./h
75 % of PRP	2.4 lt./h
50 % of PRP	1.6 lt./h
COOLING SYSTEM	
Total system cap. - only engine	/
Fan air flow	/
LUBRIFICATION SYSTEM	

Total oil system capacity	/
Oil capacity in sump	1.1 lt.
Oil consumption at full load	/
EXHAUST SYSTEM	
Maximum exhaust gas flow	/
Max. exhaust gas temp.	/
Maximum back pressure	/
External diameter exhaust pipe	/
ELECTRICAL SYSTEM	
Starter motor power	/
Battery charging alternator cap.	/
Cold start	/
AIR FILTER	
Combustion air flow	/
HEAT REJECTED AT FULL LOAD	
To exhaust system	/
To water and oil	/
Radiated to room	/
To charge cooler	/

* Output powers according to ISO 3046-1



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CHARACTERISTICS OF WELDING AND GENERATION

TS 200 BS/CF

C.C. WELDING

CONSTANT CURRENT	
Current range	20 ÷ 100A (I Scale) 90 ÷ 190A (II Scale)
Type of regulation	/
Duty cycle	190A 35% - 160A 60% - 120A 100%
Open circuit voltage	98 V
Arc force control	No

GENERAL SPECIFICATIONS

Fuel tank capacity	6.1 l	IP protection degree	IP 23
Fuel consumption (welding 60%)	2.1 l/h	Acoustic power LwA (pressure LpA)	98 dB(A) (73 dB(A) @ 7m)
Running time (welding 60%)	3 h		

* For fixed installation in the EU market only.

A.C. GENERATION

ASYNCHRONOUS THREE-PHASE, SELF-EXCITED, SELF-REGULATED, BRUSHLESS	
Insulation class	H

AUXILIARY GENERATION

OUTPUT 1		OUTPUT 2	
Type of source	Three-phase	Type of source	Single-phase
Frequency	50 Hz	Frequency	50 Hz
Power kVA (Power kW) Max	6 kVA (4.8 kW)	Power kVA (Power kW) Max	5 kVA
Cos φ	0.8	Cos φ	0.8
Voltage	400V	Voltage	230V
Current	8.7 A	Current	21.7 A

OUTPUT 3		OUTPUT 4	
Type of source	Single-phase	Type of source	/
Frequency	50 Hz	Frequency	/
Power kVA (Power kW) Max	2 kVA (1.6 kW)	Power kVA (Power kW) Max	/
Cos φ	0.8	Cos φ	/
Voltage	48V	Voltage	/
Current	41.6 A	Current	/

The use of the auxiliary generation is recommended for welding tools (grinding wheels, electric hammers, lights, etc.)

CONTROL PANEL

- Sockets: 1x400V 16A 3P + N + T CEE
1x230V 16A 2P + T CEE
1x48V 32A 2P CEE
- Black (-) soldering socket
- Red socket (+) welding II Scale
- Red socket (+) welding I Scale
- ELCB-GFI (Ground Fault Interruptor)
- Welding current regulator
- AUX socket voltage indicator lights
- Earth terminal (PE)

COMBINATIONS AVAILABLE SOCKETS

	VERSION	
	STANDARD	SCHUKO
1x400V 16A 3P+N+T	•	•
1x230V 16A 2P+T	•	
1x48V 32A 2P	•	•
1x230V 16A 2P+T SCHUKO		•

WEIGHT - DIMENSIONS ACCESSORIES

TS 200 BS/CF



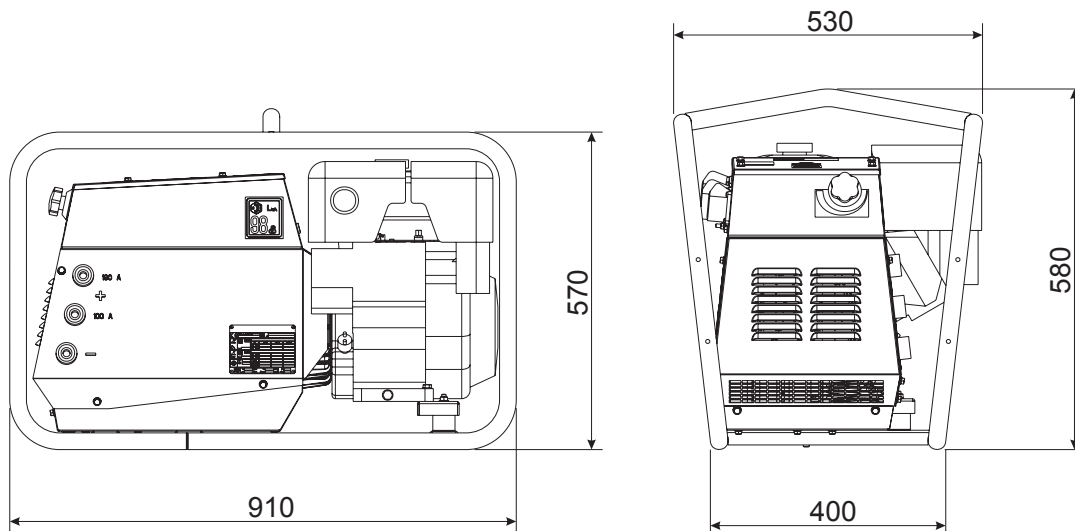
DRY WEIGHT:

- 111 Kg

The welding machine pictured may include optional accessories.



DIMENSION PICTURE



OPTIONS ON REQUEST

- Exhaust extension
- Welding cables: K190 (10+8m, 35mm²)
K 200 (20+15m, 35mm²)
- Welding kit (mask, gloves, etc.)
- Manual trolley CTM 200
- Earthing kit



VERSION ON REQUEST

- SCHUKO version



FACTORY INSTALLATION OPTIONS

- /

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.

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