

# Petrol Welder Generator

Model **220PN** Powered by **Honda**



www.cruxweld.com

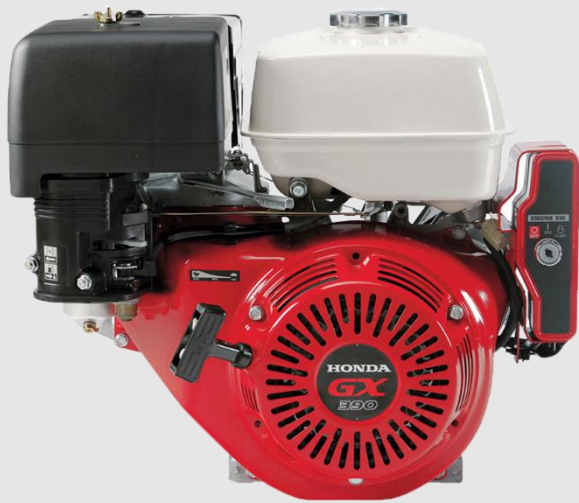
## KEY FEATURES

- 220A DC engine driven welder
- 5.0/220 kVA/V auxiliary power
- Welding current range 40-220A
- Honda GX390 petrol engine with oil alert
- Welds 4mm electrodes
- Pure DC generator welding output
- Stepless current adjustment
- Smooth DC output with excellent arc strike
- Welds any type of electrode including cellulose
- Engine shut down for low oil level
- Guaranteed low fuel and oil consumption



The CRUXWELD **220PN** utilises the concept of "power on demand", allowing both fuel savings and reduced engine wear.

Petrol welder generator that provides excellent welding characteristics on all DC MMA electrodes of up to 4mm. Featuring an auto-idle facility, it improves fuel consumption and reduces noise output.



## HONDA GX390

The Honda GX390 offers precision-engineered components resulting in lower vibration, and a Ball Bearing-supported Crankshaft for greater stability. It also offers an improved piston design and a heavy-duty balancer shaft to deliver smooth performance.

Able to weld any kind of electrode (rutile, basic, cellulose) up to 4mm and takes full advantage of the engine's power output thanks to a technology developed by CRUXWELD known as "Power Optimizer".

## GREAT FEATURES

- The 220PN is a powerful 220A, DC petrol, engine-driven welder designed especially for contractors, maintenance/repair and all other field-based welding professionals who demand the best welding arc.
- Delivers 5 kVA of 115V/230V AC power for a grinder, lights or other power tools.
- D.C. welding current 220A @ 60%.
- Automatic idle device when no load is connected.
- Heavy duty rugged roll frame for higher protection/carry.
- Up to 220 amps of CC welding output for welding steel, stainless steel, cast iron or hardfacing projects with up to 4mm stick electrode.
- Easy to maintain engine with oil changes only every 100 hours. No oil filter to change.
- Dependability and long life aided by all-copper windings in rotor and stator with high quality insulation.
- Manufactured under a quality system certified to ISO 9001 requirements.

*Why buy just a generator when you can buy a generator that also welds?*

The welding current is continuous and can weld electrode (rutile, basic, cellulose) up to 4 mm diameter.

## TECHNICAL DATA

### D.C. WELDING

Current range, continuous	40A - 220A
Duty cycle	220A - 60%
Rated voltage	36V
Open circuit voltage	75V
Welding rod capacity	2.5 - 4.0 mm

### A.C. GENERATION

Max AC output	5.0 kVA
Power phase	Single
Rated frequency	50/60 Hz
Power factor	1.0
Insulation class	H
Output socket	220/16 V/A

### ENGINE SPECIFICATIONS

Engine model	Honda GX390
Engine type	4-stroke engine, OHV
Speed	3600 rpm
Cylinders	1
Displacement	442 cm <sup>3</sup>
Bore	88 mm
Stroke	64 mm
Compression ratio	8.2:1
Rating	8.7/11.7 KW/HP
Starting system	Recoil/electric
Fuel type	Petrol
Cooling	Air cooled
Fuel tank capacity	6.6 l
Fuel consumption	1.0 l/h.
Oil consumption	0.0048 kg/h.
Dry weight	31 kg

### GENERAL SPECIFICATIONS

Protection degree	IP23
Sound level	72 dB(A) @7m
Running time (welding 60%)	6 - 8 h
Housing	Frame
Recommended battery	12/44 V/Ah
Dimensions	L815 x W480 x H620 mm
Dry weight	71 kg

### Generator Power Application Chart

Suggested Power Applications	Running Watts
Airless Sprayer - 1/3 HP	600
Electric Motor - 1 HP	1,000
Portable Grinder - 7 in.	2,000
Drill - 1 inch	1,000
Drill - 1/2 inch	600
Bench Grinder - 8 in.	1,400
Air Compressor – 1 HP	975
Halogen Work Light	500
Hand Drill - 3/8 inch	700
Submersible Pump - 1 HP	1,000
Sump Pump	600

### For Site Work & Remote Applications

- Fabrication
- Maintenance
- Civil Engineering
- Rail Road
- Offshore
- Construction
- Pipeline
- Mining
- Rural