



## Sound Proof Diesel Powered Welding Generator

**CWG40SD**

### KEY FEATURES

- ✓ 400A diesel welder and generator
- ✓ 7.5 kVA auxiliary power source
- ✓ Totally brushless alternator
- ✓ Super silent operation
- ✓ Welding upto 6.3mm electrodes
- ✓ Continuous welding regulation
- ✓ Upto 12 hours operation
- ✓ Alternator overload protection



### SALIENT FEATURES

- The Cruxweld CWG40SD Super Silent Diesel Welder is a high performance brushless welder/generator providing up to 400 amps of DC welding current.
- Designed with the professional in mind, the CWG40SD is the best for ease of use, reliability and fuel economy.
- Brushless type, high frequency generator, specially designed for welding applications, constant current (CC) characteristic with winding less, commutator less, magnet-less, slipping less and rotating diode less rotor construction for maintenance free and reliable operation.
- Specially proven with Cellulosic (6010, 7010G & 8010G types) and other special types of electrodes.
- Big savings in fuel and longer runs before next re-fueling.
- Enables welding parameters to be viewed with greater clarity at virtually any angle. Meters can be seen clearly even in direct sunlight.

#### One unit, dual function

Cruxweld original technology gives birth to such an advanced product with dual functions-welding & generating, which brings more economical products for the consumer.

#### Perfect welding

The unit can achieve perfect waveform of the welding voltage by utilizing PWM technology.

Nonfluctuating welding current realizes high quality welding operation.

#### Wide application

The welding arc is super smooth to get the perfect welding quality in all kinds of the applications.

Furthermore, its welding current regulation is wide enough to suit most of welding rods.

**Reliable welding performance and professional appearance**

Specifications	Unit	Value
<b>Welding Generator</b>		
Welding process	Type	Stick (SMAW)
Operators	No	Single
Welding current range	Amps, DC	50 to 400
Max. hand welding current @ 60% DC	Amps	400
Max. hand welding current @ 100% DC	Amps	310
Open circuit voltage (Max. / Min)	Volts	95/45
Suitable electrode diameter	mm $\phi$	2.5 to 6.3
<b>Engine</b>		
Engine	Type	C.R. – Kirloskar
Cylinder	No.	2
Rated engine speed	RPM	1800
Engine cooling	Type	Water cooled
Engine rating	BHP	28
Starting system		Electric starter
Battery capacity	V-Ah	12V-65Ah
Fuel type		Diesel
<b>Auxiliary Power Source</b>		
Rating	kVA	7.5
Voltage	Volts	230
Phases	No	1
Rated frequency	Hz	50/60
Power factor		1.0
MCCB rating	Amps	16
<b>General</b>		
Insulation grade		H
Protection degree		IP23
Fuel consumption	Ltrs./Hrs	2.8
Fuel tank capacity	Ltrs.	40
Sound level	dB(A)/7m	72
Structure type		Silent
Output sockets	No	2
Meters/gauges/indications	Type	Lube oil pressure, fuel level indication, battery charging current, charging failure warning lamp, engine speed, hour meter etc.
Overall dimensions (LxWxH)	mm	1650x780x1045
Dry weight	kg	780
Under carriage with towbar		2 wheels and leaf springs

**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

**Unbeatable Arc Performance**

Wide amperage output with better welding deposition rates means you can get jobs done faster, saving time and money.

The CWG40SD also has precise arc control, which allows you to fine-tune the arc to match your personal preferences and quickly dial in the perfect parameters to optimize weld quality and maximize productivity across a variety of applications.