

Engine Driven Welder

CWG220D



www.cruxweld.com

- KOHLER single cylinder 3600 RPM air cooled engine
- Constant current DC output
- Twin 5.0/220 kVA/V auxiliary power with ELCB protection
- Max electrode diameter 4.0mm
- 40-220 amps welding output
- Reliable & efficient asynchronous alternator
- Cellulose compatible
- Low oil output
- All copper windings



CWG220D

PORTABLE ENGINE DRIVEN WELDER/DELIVERS 220A OF DC WELD OUTPUT/PERMANENT MAGNET ALTERNATOR TECHNOLOGY/ DIESEL ENGINE 3600 RPM



Cruxweld Designed for Reliability - more efficient airflow and exclusive engine location are significant contributors to reduced sound level and size.



Lombardini - Kohler Diesel Engine excellent fuel efficiency, low oil consumption, long service intervals, reduced noise & compact.



Sincro special varnished reliable alternator, offers robust features of protection against sand gravel, dust, and extreme hot weather condition.

GENSET FEATURES

- The CWG220D is a powerful 220A, DC diesel, engine-driven welder designed especially for contractors, maintenance/repair and all other field-based welding professionals who demand the best welding arc.
- Delivers 5.0 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 hard facing 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?

TECHNICAL DATA

D.C. WELDING

Current range, continuous	40A - 220A
Duty cycle	220A - 60%
Rated voltage	36V
Open circuit voltage	65V
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	KOHLER 15LD440
Engine type	4-stroke engine
Speed	3600 rpm
Cylinders	1
Displacement	442 cm ³
Bore	86 mm
Stroke	76 mm
Compression ratio	20.3:1
Rating	9.0/12.0 KW/HP
Max. torque	25@2200 Nm
Fuel type	Diesel
Cooling	Air cooled
Fuel tank capacity	6.5 l
Fuel consumption	1.0 l/h.
Oil consumption	0.0048 kg/h.
Dry weight	45 kg

GENERAL SPECIFICATIONS

Protection degree	IP23
Sound level	72 dB(A)
Recommended battery	12/44 V/Ah
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	86 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