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WELLING & CROSSLEY

Powered by Kubota

14.5kVA
ED14.5KYE-400

*Image may vary from actual model.

The Generating Set Includes a 240V AC Mains Battery Charger

The complete generating set is mounted as a whole onto a heavy duty fabricated steel baseframe.

Anti-vibration pads are fixed between the engine and alternator feet, and the baseframe, ensuring complete vibration isolation of the rotating assembly.

Stringent factory tests are carried out on the generating set, with a full load test completed prior to despatch.

All protective devices, control functions and site load conditions are simulated. The generator and its systems are thoroughly checked prior to leaving our factory.

Warranty on the genset is for 12 months or 1000 hours from date of supply (whichever occurs first) and covers against faulty workmanship, materials and design.

Alternator

Crossley SLG Series Alternators are single bearing, 4-pole, with a brushless, rotating field design and are self-excited with power derived from main output windings using the Automatic Voltage Regulator (AVR).

Manufactured using the highest quality copper and steel with all laminations impregnated with epoxy resins, the SLG Series are of a modern design with a precision AVR that allows overloads of 10% for one hour in 12, and overloads for motor starting and short circuit protection of up to 300%.

Available in either Single Phase (240V), 2-Phase (480V) or 3-Phase (415V).

Engine

Kubota has an unparalleled track record for providing reliable, hard-working and efficient engines that won't let you down, even in the most extreme conditions.

Whatever you throw at them, you just know they'll keep working day after day. With over 90 years of proven performance, you can depend on a Kubota engine for uninterrupted performance, durability and unbeatable fuel economy. These engines are built tough, for our harsh Australian conditions.

Control System

The control starting system is fitted standard.

Starting is remote or local to the machine with push Start/Stop button and includes the following digital indicators:

- Oil Pressure
- Engine Temperature
- Frequency
- Volts and Amps
- Emergency stop button
- Output circuit breaker
- Shut Down for low oil & temperature

The control system can also be configured to operate with an Automatic Transfer Switch with logic.

Technical Specifications

14.5kVA

ED14.5KYE-400

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Engine Specifications

Engine Model	D1703-E2BG
Engine Speed	1500 rpm
Cylinders	3
Cubic Capacity	1.647 L
Bore/Stroke	87 x 92.4 mm
Compression Ratio	17:1
Aspiration	Natural
Starter Voltage	12 V
Flywheel (Max. Continuous Power)	14 kW
Combustion Air Flow	1.3 m3/min
Cooling Air flow	48 m3/min
Cooling System	Radiator Cooled
Heat Rejection to Cooling System	12.8 kW
Exhaust Gas Flow	3.4 m3/min
Exhaust Gas Temperature	550 °C
Fuel Type	Diesel
Fuel Tank Capacity	400 L
Fuel Consumption (Continuous)	4.1 L/h
Fuel Consumption (Standby)	4.6 L/h

Note: Standby reference conditions 27°C (80°F) air inlet temperature 152.4 m (500ft) ASL. All engine performance data based on the above mentioned maximum continuous ratings. Fuel consumption data at full load with diesel fuel with a specific gravity of 0.85 and conforming to BS29869:1988, Class A2.

Generator Specifications

Dimensions (L x W x H)	2000 x 900 x 1580 mm
Weight	1180 kg

Alternator Specifications

Alternator Model	Crossley
Phase	Single Phase
Active Power	14.5 kVA at 0.8 pf (Standby)
Power	11.6 kW
Electric Potential	240 V
Frequency	50 Hz

These ratings are applicable for supplying continuous electrical power at variable load in the event of a utility power failure. No overload is permitted on these ratings.

Canopy

A weather protective acoustic enclosure is included, to protect and prolong the life of your generator. Finished using a powdercoat paint finish, this acoustic canopy reduces the noise level of the generating set to approximately 73 dB(A) at 1 metre from the machine (67 dB(A) @ 7 m).

Design Features

- Heavy duty fabricated steel baseframe
- Bunded Fuel Tank (AS1940-2004 compliant)
- Battery Charger
- Control Panel with Emergency Stop button
- Prime or Standby Power
- Weather protected acoustic canopy

The Diesel Generator Experts

Welling & Crossley is Australia's largest diesel generator and engine specialist. Australian owned and operated since 1926, Welling & Crossley is an internationally recognised Australian leader in the manufacture and supply of diesel generating sets for industrial or commercial applications. Also available is a complete range of portable generators, inverter generators, back up generators, diesel engines and fire products.

We have the expertise to provide sound advice on your power generating needs. Whether your requirements are prime (continuous) power or standby power applications, you can choose from our standard build sets, or we can tailor to suit your application requirements.