

# PRODUCT SPECIFICATIONS FOR P813-1

## GENERATOR SET SPECIFICATIONS

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<b>Minimum Rating</b>	750 kVA / 600 kW
<b>Maximum Rating</b>	813 kVA / 650 kW
<b>Emissions/Fuel Strategy</b>	Fuel Optimised
<b>60 Hz Prime</b>	750 kVA / 600 kW
<b>60 Hz Standby</b>	813 kVA / 650 kW
<b>Frequency</b>	60 Hz
<b>Speed</b>	1800 RPM
<b>Voltage</b>	127 - 480 Volts

## ENGINE SPECIFICATIONS

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<b>Engine Model</b>	Perkins® 2806A-E18TTAG6A
<b>Bore</b>	145 mm (5.7 in)
<b>Stroke</b>	183.0mm (7.2 in)
<b>Governor Type</b>	Electronic
<b>Displacement</b>	18.1l (1104.5 cu. in)
<b>Compression Ratio</b>	14.0:1

## P813-1 STANDARD EQUIPMENT

### ENGINE

- Air Cleaner
- Lube oil drain valve
- Engine filled with lubrication oil
- High Coolant Temperature Shutdown
- Low Oil Pressure Shutdown
- Engine mounted battery charging alternator

### COOLING

- Package mounted radiator
- Radiator fan and charging alternator guards

- Coolant Drain Valve
- Cooling System filled with Coolant mix

## **EXHAUST**

- Exhaust flange outlet
- Exhaust bellows and gasket

## **FUEL**

- 8 Hr Fuel Tank
- BSP Fuel Sockets

## **ALTERNATOR**

- FG Wilson
- SHUNT Excitation
- IP23 Protection

## **CONTROL PANEL**

- PowerWizard 2.1+

## **MOUNTING**

- Robust steel constructed base frame
- Base frame drag and lift points
- Captive linear vibration isolators between base and engine-generator
- Battery Tray and Cables

# **P813-1 OPTIONAL EQUIPMENT**

## **EXHAUST**

- Industrial, Residential, Critical Silencers

## **ALTERNATOR**

- Quadrature Droop Kit (AR6)
- Anti-Condensation Heater and Panel Circuitry
- AREP / PMG excitation

- AVR Upgrades
- Three phase sensing
- Oversize Alternator
- Coastal ingress protection alternator
- Leroy Somer

## **CONTROL PANELS**

- PowerWizard 2.1
- easYgen-2500

## **STARTING/CHARGING**

- Heavy duty dry battery
- Battery charger with auto boost

## **GENERAL**

- Upgrade to Standard Set for "CE" Certification
- EEC Declaration of Conformity
- Dual wall base tank (8 hrs)
- Sound attenuated or High ambient enclosures - Coming Soon
- Battery isolator switch

## **ENCLOSURE**

- Compliance to European Community Directive 2000/14/EC
- Super sound attenuation for residential areas
- Totally enclosed exhaust silencing system
- 50°C High ambient capability available
- Robust and highly corrosion resistant construction