

# PRODUCT SPECIFICATIONS FOR P22-1

## GENERATOR SET SPECIFICATIONS

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<b>Minimum Rating</b>	20 kVA / 16 kW
<b>Maximum Rating</b>	22 kVA / 17.6 kW
<b>Emissions/Fuel Strategy</b>	Fuel Optimised
<b>50 Hz Prime</b>	20 kVA / 16 kW
<b>50 Hz Standby</b>	22 kVA / 17.6 kW
<b>60 Hz Prime</b>	- / -
<b>60 Hz Standby</b>	- / -
<b>Frequency</b>	50 Hz
<b>Speed</b>	1500 RPM
<b>Voltage</b>	220-415 Volts

### 50 Hz Prime Rating

These ratings are applicable for supplying continuous electrical power (at variable load) in lieu of commercially purchased power. There is no limitation to the annual hours of operation and this model can supply 10% overload power for 1 hour in 12 hours.

### 60 Hz Prime Rating

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. The alternator on this model is peak continuous rated (as defined in ISO 8528-3).

### 50 Hz Standby Rating

Standard reference conditions 25°C (77°F) Air Inlet Temp, 100m (328 ft) A.S.L. 30% relative humidity. Fuel consumption data at full load with diesel fuel with specific gravity of 0.85 and conforming to BS2869: 1998, Class A2.

## ENGINE SPECIFICATIONS

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<b>Engine Model</b>	Perkins® 404A-22G1
<b>Bore</b>	84 mm (3.3 in)
<b>Stroke</b>	100 mm (3.9 in)
<b>Governor Type</b>	Mechanical
<b>Displacement</b>	2.2l (135.2 cu. in)
<b>Compression Ratio</b>	23.3:1

## P22-1 STANDARD EQUIPMENT

## **ENGINE**

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

## **COOLING**

- Package mounted radiator
- Radiator & Cooling Fan
- Coolant Drain Valve
- Fan, Fan drive and battery charging Alternator drive fully guarded to meet EC Machinery Directive
- Cooling System filled with Coolant mix

## **EXHAUST**

- Exhaust flange outlet
- Exhaust stub pipe and gasket

## **FUEL**

- 8 Hr Fuel Tank or Skidbase
- Fuel Fittings for Local and Remote Feed

## **ALTERNATOR**

- FG Wilson Alternator
- SHUNT Excitation
- IP23 Protection

## **CONTROL PANEL**

- DSE4520
- FG100

## **MOUNTING**

- Skid base, Formed Steel
- Base, Formed Steel with Skid base or Single wall Fuel Tank
- Certified Base Mounted Lifting Eyes, and Rear Drag Eyelets
- Anti-vibration mounts
- Battery Tray and Cables

## **P22-1 OPTIONAL EQUIPMENT**

### **EXHAUST**

- Industrial, Residential, Critical Silencers

### **ALTERNATOR**

- Leroy Somer Alternator
- Quadrature Droop Kit
- Anti-Condensation Heater and Panel Circuitry

### **CONTROL PANELS**

- DSE4520
- DSE7320
- DSE7410
- Deep Sea DSE7420

### **GENERAL**

- 8 Hour, 600L, 1000L, 2000L fuel tanks
- Upgrade to Standard Set for "CE" Certification
- EEC Declaration of Conformity
- Narrow, Wide or Skid Base
- Sound attenuated, steel or galvanised enclosure
- Dual wall fuel tanks

### **STARTING/CHARGING**

- Lead Acid battery (Dry)

### **ENCLOSURE**

- Compliance to European Community Directive 2000/14/EC
- Super sound attenuation for residential areas
- Totally enclosed exhaust silencing system
- Robust and highly corrosion resistant construction