

PRODUCT SPECIFICATIONS FOR P90-3S

GENERATOR SET SPECIFICATIONS

Minimum Rating	82 kVA / 82 kW
Maximum Rating	99.5 kVA / 99.5 kW
Emissions/Fuel Strategy	Fuel Optimised
50 Hz Prime	82 kVA / 82 kW
50 Hz Standby	190 kVA / 90 kW
60 Hz Prime	90 kVA / 90 kW
60 Hz Standby	99.5 kVA / 99.5 kW
Frequency	50 / 60 Hz
Speed	1500 or 1800 RPM
Voltage	220-240 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

Engine Model	Perkins® 1104C-44TAG2
Bore	105 mm (4.1 in)
Stroke	127 mm (5 in)
Governor Type	Electronic
Displacement	4.4l (268.5 cu. in)
Compression Ratio	18.3:1

P90-3S 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
- Fuel Fittings for Local and Remote Feed

ALTERNATOR

- FG Wilson FGL Alternator
- SHUNT Excitation
- IP23 Protection

CONTROL PANEL

- DCP-10

MOUNTING

- Base, Formed Steel with Single wall Fuel Tank

- Certified Base Mounted Lifting Eyes, and Rear Drag Eyelets
- Anti-vibration mounts
- Battery Tray and Cables

P90-3S OPTIONAL EQUIPMENT

EXHAUST

- Industrial, Residential, Critical Silencers

ALTERNATOR

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

CONTROL PANELS

- PowerWizard 1.1 Control Panel (PWT1.1)
- PowerWizard 1.1+ Control Panel (PWT1.1+)
- PowerWizard 2.1 Control Panel (PWT2.1)

STARTING/CHARGING

- Lead Acid battery (Dry)

GENERAL

- 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

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