

Product Specifications For P110-3

Generator Set Specifications

Minimum Rating	100 kVA / 80 kW
Maximum Rating	125 kVA / 100 kW
Emissions/Fuel Strategy	Fuel Optimised
50 Hz Prime	100 kVA / 80 kW
50 Hz Standby	110 kVA / 88 kW
60 Hz Prime	113 kVA / 90.4 kW
60 Hz Standby	125 kVA / 100 kW
Frequency	50 / 60 Hz
Speed	1500 or 1800 RPM
Voltage	110-480 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

P110-3 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

P110-3 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

PowerWizard 1.1+ Control Panel

PowerWizard 2.1 Control Panel

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