

Product Specifications For P50-3

Generator Set Specifications

| | |
|--------------------------------|---|
| Minimum Rating | 45 kVA / 36 kW |
| Maximum Rating | 56.3 kVA / 45 kW |
| Emissions/Fuel Strategy | Fuel Optimised |
| 50 Hz Prime | 45 kVA / 36 kW |
| 50 Hz Standby | 50 kVA / 40 kW |
| 60 Hz Prime | 50 kVA / 40 kW |
| 60 Hz Standby | 56.3 kVA / 45 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

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|--------------------------|----------------------|
| Engine Model | Perkins® 1103A-33TG1 |
| Bore | 105 mm (4.1 in) |
| Stroke | 127 mm (5 in) |
| Governor Type | Mechanical |
| Displacement | 3.3l (201.4 cu. in) |
| Compression Ratio | 17.25:1 |

P50-3 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

P50-3 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 (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