

Product Specifications For P220-3

Generator Set Specifications

Minimum Rating	24 kVA / 24 kW
Maximum Rating	30 kVA / 30 kW
Emissions/Fuel Strategy	Fuel Optimised
50 Hz Prime	200 kVA / 160 kW
50 Hz Standby	220 kVA / 176 kW
60 Hz Prime	- / -
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® 1106A-70TAG4
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Bore	105 mm (4.1 in)
Stroke	135 mm (5.3 in)
Governor Type	Mechanical
Displacement	7.0l (427.8 cu. in)
Compression Ratio	19.25:1

P220-3 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

P220-3 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