

PRODUCT SPECIFICATIONS FOR P22-1

GENERATOR SET SPECIFICATIONS

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

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