

Product Specifications For P165-5

Generator Set Specifications

Minimum Rating	150 kVA / 120 kW
Maximum Rating	187.5 kVA / 150 kW
Emissions/Fuel Strategy	Fuel Optimised
50 Hz Prime	150 kVA / 120 kW
50 Hz Standby	165 kVA / 132 kW
60 Hz Prime	168.8 kVA / 135 kW
60 Hz Standby	187.5 kVA / 150 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® 1106A-70TAG2
Bore	105 mm (4.1 in)
Stroke	135 mm (5.3 in)
Governor Type	Mechanical
Displacement	7.0l (427.8 cu. in)
Compression Ratio	16.0:1

P165-5 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

P165-5 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