

Powerguard PS 12 Generator

The generator is specially designed for this application with an emphasis on fuel efficiency. It has a Perkins 403C-15G engine coupled to a purpose wound single phase alternator. It has an acoustic canopy to reduce noise and can be sited outside if necessary.

Scope

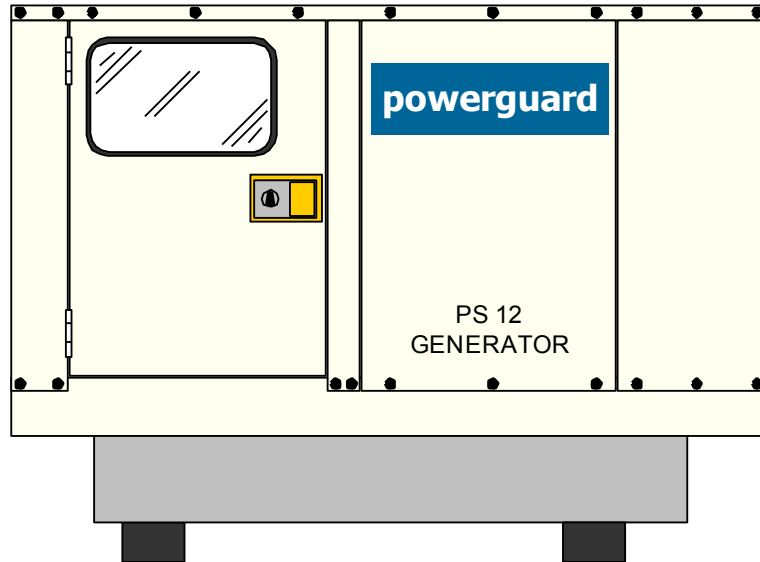
Frequency	50 Hz
Speed	1500 RPM
Voltage	230 VAC
Phases	1 Ø + N
Power factor	0.8
Prime Power	12kVA/9.6 kW
Fuel consumption	≈ 3.3 Litres/hour at 100% load ≈ 2.5 Litres/hour at 75% load ≈ 1.9 Litres/hour at 50% load

Prime power is the rating for supplying power in lieu of utility with a variable load factor of 70% average in 24 hour operation. 10% overload available for maximum 1 hour in every 12.

Brief Description

- 1) Set mounted tropical duty radiator
- 2) Engine driven cooling fan
- 3) Standard fuel, lubricant and air filters
- 4) Mechanical governor
- 5) 12 VDC electric start with set mounted battery
- 6) Alternator mounted auto-start control panel
- 7) AC/DC monitoring instruments
- 8) MCB on output
- 9) DSE 521K controller
- 10) Engine protection for: low oil pressure – high engine temp.
- 11) Over speed protection with tacho pickup.
- 12) Anti vibration mounts for engine/alternator
- 13) 63 litre capacity fuel tank incorporated in the galvanised chassis
- 14) 75 dba @ 1 m acoustic enclosure – powder coated RAL9010 (white)
- 15) Internal exhaust silencer
- 16) Central lifting point
- 17) Fork lift pockets under the base
- 18) Control panel viewing window
- 19) Weather proof emergency stop button
- 20) First fill coolant/anti freeze and oil
- 21) CE compliant
- 22) Comprehensive user manual
- 23) Standard works test to ISO 8528
- 24) Three way fuel valve to facilitate connection to a bulk tank
- 25) Glo-plug cold start for increased efficiency

- 26) Size: 1600mm w x 1180mm h x 730mm d
27) Weight: 730kgs



Sketch showing the front view of the Powerguard PS 12 Generator