

# PRODUCT SPECIFICATIONS FOR P1650-1

## GENERATOR SET SPECIFICATIONS

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<b>Minimum Rating</b>	1500 kVA / 1200 kW
<b>Maximum Rating</b>	1650 kVA / 1320 kW
<b>Emissions/Fuel Strategy</b>	Fuel Optimised
<b>50 Hz Prime</b>	1500 kVA / 1200 kW
<b>50 Hz Standby</b>	1650 kVA / 1320 kW
<b>Frequency</b>	50 Hz
<b>Speed</b>	1500 RPM
<b>Voltage</b>	220-415 Volts

## ENGINE SPECIFICATIONS

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<b>Engine Model</b>	Perkins® 4012-46TAG2A
<b>Bore</b>	160 mm (6.3 in)
<b>Stroke</b>	190 mm (7.5 in)
<b>Governor Type</b>	Electronic
<b>Displacement</b>	45.8l (2797.5 cu. in)
<b>Compression Ratio</b>	13.0:1

## P1650-1 STANDARD EQUIPMENT

### ENGINE

- Air Cleaner
- Engine filled with lubrication oil
- Low Coolant Temperature Shutdown
- Perkins 4000, Series 6, 8, 12 and 16 cylinder engine range
- Electronic governor
- Engine mounted fuel/water separator
- Lube drain valve (910 kVA to 2500 kVA)

### COOLING

- Package mounted radiator

- Coolant Drain Valve
- Engine mounted battery charging alternator
- Cooling System filled with Coolant mix
- Charge air cooled (excluding TWGs)

## **EXHAUST**

- Industrial silencer

## **FUEL**

- Fuel Cooler

## **ALTERNATOR**

- Leroy Somer
- AREP Excitation
- IP23 Protection

## **CONTROL PANEL**

- PowerWizard 1.1+

## **MOUNTING**

- Base, Formed Steel with Single wall Fuel Tank
- Lifting points on base frame

# **P1650-1 OPTIONAL EQUIPMENT**

## **EXHAUST**

- Industrial, Residential, Critical Silencers
- Catalytic converters
- Heat Exchangers
- Special spark arrestor silencers/certification

## **ALTERNATOR**

- Quadrature Droop Kit (AR6)
- Anti-Condensation Heater and Panel Circuitry (AH1)

- Increased alternator ingress protection
- HV alternators

## **CONTROL PANELS**

- PowerWizard 2.1
- easYgen-2500, 3200, 3500
- CompAp
- Deep Sea
- Customer tailored PLC System
- Remote monitoring
- Increased Control Panel Ingress Protection
- Stand alone ATI transfer panel

## **STARTING/CHARGING**

- Lead Acid battery (Dry)
- Dual and air starting systems

## **GENERAL**

- Upgrade to Standard Set for "CE" Certification
- Sound attenuated enclosures
- Spring, Seismic anti-vibration mounts
- Customer witness test
- Remote cooling
- 50 degree C radiator and package
- Coolant heater
- 4-Pole circuit breaker
- Motorised circuit breaker
- LV and HV switchgear

## **FUEL**

- Bi-fuel options (TWG and TRG only)

- Fuel transfer systems (730 - 900 kVA)
- Integral metal fuel tank (730 - 900 kVA)