

# PRODUCT SPECIFICATIONS FOR P1001-1

## GENERATOR SET SPECIFICATIONS

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<b>Minimum Rating</b>	900 kVA / 720 kW
<b>Maximum Rating</b>	1000 kVA / 800 kW
<b>Emissions/Fuel Strategy</b>	Fuel Optimised
<b>60 Hz Prime</b>	900 kVA / 720 kW
<b>60 Hz Standby</b>	1000 kVA / 800 kW
<b>Frequency</b>	60 Hz
<b>Speed</b>	1800 RPM
<b>Voltage</b>	220-480 Volts

## ENGINE SPECIFICATIONS

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<b>Engine Model</b>	Perkins® 4008TAG1
<b>Bore</b>	160 mm (6.3 in)
<b>Stroke</b>	190 mm (7.5 in)
<b>Governor Type</b>	Electronic
<b>Displacement</b>	30.6l (1864.9 cu. in)
<b>Compression Ratio</b>	13.6:1

## P1001-1 STANDARD EQUIPMENT

### ENGINE

- Air Cleaner
- Engine filled with lubrication oil
- Low Coolant Temperature Shutdown
- Perkins 4000 Series 8 cylinder engine
- Electronic governor
- Engine mounted fuel/water separator
- Lube drain valve

### COOLING

- Package mounted radiator

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

## **EXHAUST**

- Industrial silencer

## **FUEL**

- Fuel Cooler

## **ALTERNATOR**

- Leroy Somer
- AREP Excitation
- IP23 Protection

## **CONTROL PANEL**

- PowerWizard 1.1+

## **MOUNTING**

- Rigid steel base frame
- Lifting points on base frame

# **P1001-1 OPTIONAL EQUIPMENT**

## **EXHAUST**

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

## **ALTERNATOR**

- Quadrature Droop Kit
- Anti-Condensation Heater and Panel Circuitry

- Increased alternator ingress protection
- HV alternators

## **CONTROL PANELS**

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

## **STARTING/CHARGING**

- Lead Acid battery
- 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
- Coolant heater
- 4-Pole circuit breaker
- Motorised circuit breaker
- LV and HV switchgear

## **FUEL**

- Fuel transfer systems
- Integral metal fuel tank