



INNOVATIVE POWER SOLUTIONS

GENERATOR MODEL P500

Frequency/ Speed - Voltage	50HZ/1500 RPM-230/400V	
Prime Power	500 KVA	400 KW
Standby Power	550 KVA	440 KW



Image For illustration purposes only.

Features

Engine

Perkins, 2506A-E15TAG2, Made in UK, in accordance to ISO3046, ISO8528, DIN6271

Alternator

Leroy Somer-France / Meccalte-Uk Complying to the following norms:CEE/CEI2-3/ EN60034-1/ IEC34-1/ VDE/ BS/CAN/ CSA

Control Panel

Deep Sea, DSE-6020, Made In UK, complying to the norms: comply to the norms BS EN 61000, BS EN 60950, BS EN 60068

Base Frame

Black steel with Anti-vibration pads, Built in fuel tank

Sound Proof Canopy

Modular SPC, Powder Coated, Extremely Durable, Designed to Reduce Sound Level with Maximum Service Accessibility and Minimum Foot Prints

Countrywide Support

Enpower Products are distributed through its dealer Network For more information you may Contact us.

Definition

Standby Power

Standby Power: Continuous running at variable load for duration of an emergency. No overload is permitted on this ratings.

Prime Power

Prime Power: Continuous running at variable load for unlimited periods with 10 % overload 1 hour in any 12 hours Period.

Due to continuous product development, we reserve the right to change specifications at any time without prior notice.

PERKINS ENGINE TECHNICAL DATA

Model: 2506A-E15TAG2



STRUCTURE

Number of Cylinders	6
Engine Build	In line
Bore	137 mm
Stroke	171 mm
Displacement	15.2 L
Compression Ratio	16 :1
Aspiration	Turbocharged
Cooling	Air to Air



FUEL

	1500 RPM	1800 RPM
Fuel Tank	Built in fuel tank for atleast 10 hours operation @ full load	Built in fuel tank for atleast 10 hours operation @ full load
Fuel System Fuel Recommended	Direct injection N°2 Diesel	
	1500 RMP	1800 RPM
Delivery Flow Rate (l/hr)		
Fuel Consumption		
100% Load (g/kWh-L/hr)	100	TBA
75% Load (g/kWh-L/hr)	76	TBA
50% Load (g/kWh-L/hr)	53	TBA



COOLING SYSTEM

Engine Coolant Capacity	58 L	
Air Flow-Radiator	12033.3 l/s	TBA
Radiator with 50 degree Cooling Package & Air Cleaner		
Thermostatically-controlled		



AIR INLET

Air Intake Engine (Clean Filter/Dirty)	3.7 Kpa
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EXHAUST SYSTEM

Exhaust Gas Temperature	TBA	TBA
Exhaust Gas Flow (Prime)	1566.6 l/s	TBA
Maximum Exhaust System Back Pressure	6.8 Kpa	TBA
Stainless Steel exhaust flex-		



DC SYSTEM STARTING/CHARGING

Cranking Battery Voltage 24 V

Battery Charging Alternator 70 A

Dc Voltage Monitoring via



Heat Rejection(prime)

Radiated Heat to Ambient 31.2 KW TBA

Heat Rejection to Coolant 147 KW TBA

Heat Rejection to Exhaust 308 KW TBA

Heat Rejection to intercooler 70 KW TBA



LUBE SYSTEM

62 L **Lubricating System Oil Capacity**



GOVERNOR

Electronic

ALTERNATOR TECHNICAL DATA



Insulation System Class H

Winding Pitch 2/3 to minimize harmonics effects

Number of Poles 4

Number of Bearings Single bearing

RPM 1500 RPM

Power Factor 0.8

Regulation ± 1%

Frequency 50 Hz

Voltage Range 380-415 / 220-240

IP Rating (Protection) Ip23

Synchronous, 3 phase, Brushless & Self Excited



STRUCTURE

CONTROL MODULE

Deep Sea Model: DSE 6020



INDICATIONS

- ✔ Operating Hours
- ✔ 3 Phase Generator Voltage Sensing & Monitoring
- ✔ Current Protection & Monitoring
- ✔ Power Measurement (kW, kVA, kVA_r, kWh, kVAh, kVA_rh, pf)
- ✔ Frequency Monitoring (Hz)
- ✔ Oil Pressure/Coolant Temperature
- ✔ Battery Voltage Monitoring (DC)
- ✔ Alarm Acknowledge



CONTROL

- ✔ Engine Cool Down Timer
- ✔ Emergency Stop Push button/ Alarm Acknowledge
- ✔ Warm-up Timer
- ✔ Load Switching Timer
- ✔ Engine Cycle Crank



WARNING & SHUTDOWN ALARMS

- ✔ Generator Over/Under Voltage & Frequency
- ✔ Crank Disconnect (Failure to Start)
- ✔ Under/Over Speed
- ✔ Over Current
- ✔ Low Oil Pressure
- ✔ High Water Temperature
- ✔ Low Fuel Level
- ✔ Low Water Level



FEATURES

- ✔ User Friendly
- ✔ Compatible With CAN Engines
- ✔ License Free Software
- ✔ Largest Backlit Icon Display In Its Class
- ✔ Fully Configured Via The Fascia Or Pc Using Usb
- ✔ Efficient Power Save Mode

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