

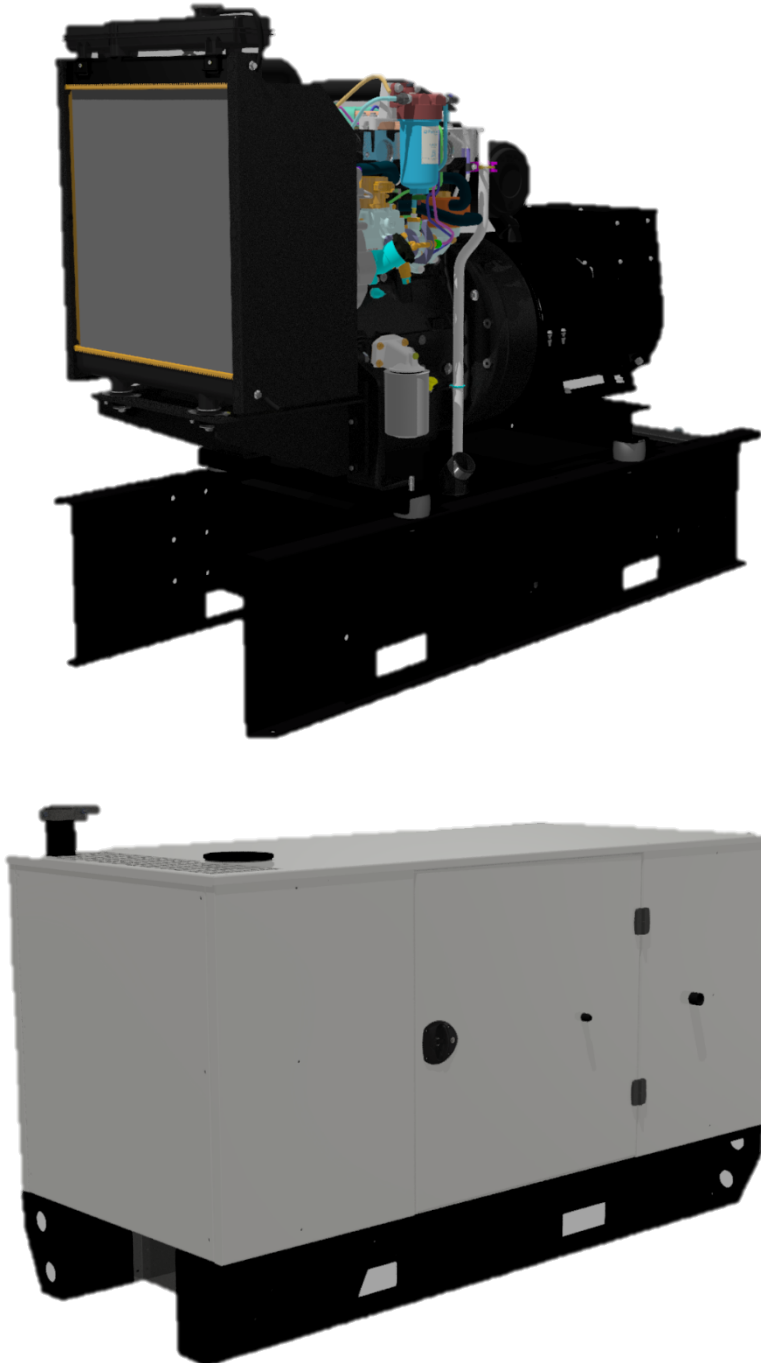


60WP35 60WP50

60WP35

60WP50

60Hz Diesel
Generator Sets



Diesel Power

STAMFORD

**Your Power.
Our Passion.**

Generator Power Summary

GENERATOR MODEL	PRP kW	PRP kVA	ESP kW	ESP kVA
60WP35	28.6	35.7	31.3	39.1
60WP50	40.3	50.4	44.3	55.4

Ratings based on NTP conditions 3 Phase, 440V, 1800RPM, 60Hz, 0.8 Power Factor.

Engine Overview

	60WP35	60WP50
ENGINE MANUFACTURER	PERKINS	PERKINS
MODEL	1103A-33G	1103A-33TG1
ENGINE ORIGIN	UK	UK
ASPIRATION	NATURALLY ASP	TURBOCHARGED
GOVERNOR TYPE	MECHANICAL	MECHANICAL
NO. OF CYLINDERS	3	3
DISPLACEMENT (L)	3.3	3.3
BORE	105mm	105mm
STROKE	127mm	127mm
COOLING TYPE	LIQUID COOLED	LIQUID COOLED
COOLANT CAPACITY (L)	10.2	10.2
OIL CAPACITY (L)	8.3	8.3
MAX EXHAUST MANIFOLD TEMPERATURE	530	551
FUEL CONSUMPTION L/Hr		
50% LOAD	4.9	7.1
75% LOAD	6.6	9.9
@100% LOAD	8.6	12.9
@110% LOAD	9.5	14.3

ESP - STANDBY POWER - The maximum power available during a variable power sequence in which a Prime Power Diesel Generator is capable of delivering in the event of power outages or under test conditions.

PRP - PRIME POWER - The maximum power that the Prime Power Diesel Generator will be able to deliver continuously. Average load should be circa 70%. The generator can have overloaded by 10% for 1 hour per 12 hours.

Alternator Overview

	60WP35	60WP50
ALTERNATOR MANUFACTURER	STAMFORD	STAMFORD
MODEL	S1L2-J1	S1L2-N1
PHASES	3	3
BEARINGS	SINGLE	SINGLE
POLES	4	4
LEADS	12	12
AVR MODEL	AS540	AS540
VOLTAGE REGULATION	± 1%	± 1%
INSULATION CLASS	H	H
EXCITATION	SELF EXCITED	SELF EXCITED
CONNECTION TYPE	SERIES STAR	SERIES STAR
TOTAL HARMONIC CONTENT (NO LOAD)	< 2%	< 2%
EFFICIENCY	89.3	90.4
SHORT CIRCUIT CAPACITY	> 300%	> 300%
REACTANCES X _d	2.421	1.813
REACTANCES X' _d	0.139	0.110
REACTANCES X'' _d	0.110	0.120

Prime Power standard specification includes alternators from stock that are randomly allocated based on the physical specification required. Specific reference can be made to non-physical attributes such as country of origin, date of manufacture, warranty length and or other attributes that may be important to you or your customer at the point of order and these requests may incur mandatory additional costs in line with our cost of providing these attributes.

Alternative Alternator Options

	60WP35	60WP50
Meccalte	ECP32-2S4C	ECP32-2S4C

Control Panel Overview



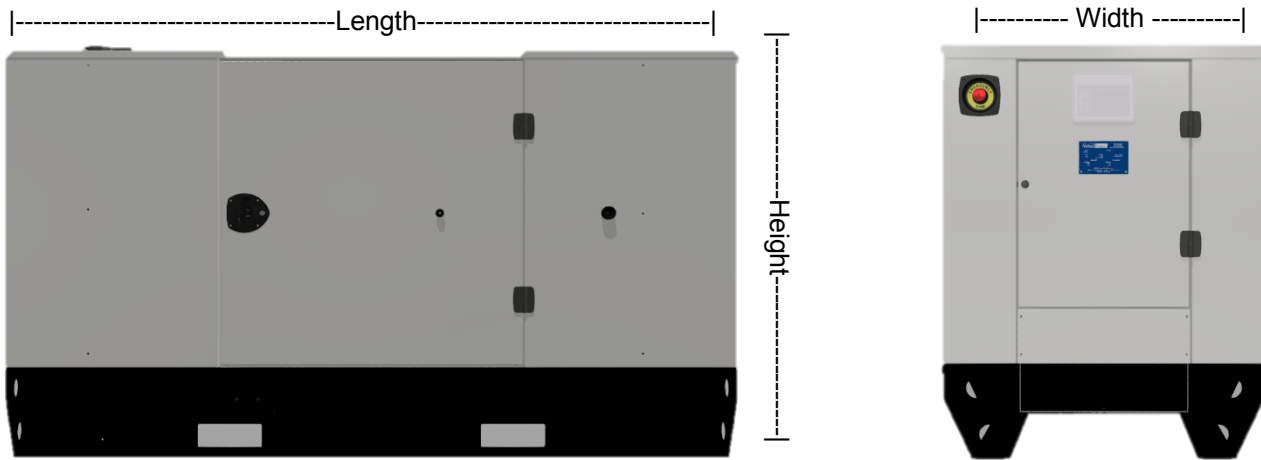
All standard Prime Power Diesel Generators come complete with a Deep Sea Electronics DSE7320mkII control panel.

The UK made DSE7320(ii) control panel gives outstanding monitoring and is loaded with features.

	STANDARD	AVAILABLE	ADDITIONAL EQUIPMENT REQUIRED
LOW OIL PRESSURE SHUTDOWN	•		
HIGH ENGINE TEMPERATURE SHUTDOWN	•		
UNDER VOLTAGE WARNING / SHUTDOWN	•		
OVER SPEED / OVER FREQUENCY WARNING / SHUTDOWN	•		
UNDER SPEED / UNDER FREQUENCY WARNING / SHUTDOWN	•		
OVER CRANK / FAIL TO START ALARMS	•		
OVER CURRENT ALARMS	•		
THREE PHASE VOLTAGE MONITORING	•		
FREQUENCY MONITORING	•		
START, CRANK, CRANK REST, WARM UP TIMERS	•		
RETURN AND COOL DOWN TIMERS	•		
BATTERY UNDER/OVER VOLTAGE ALARMS	•		
4 LINE BACK LIT LCD TEXT DISPLAY	•		
FIVE KEY MENU NAVIGATION	•		
CUSTOMISABLE STATUS SCREENS	•		
POWER SAVE MODE	•		
SUPPORT FOR UP TO 3 REMOTE DISPLAY UNITS	•		
CONFIGURABLE TIMERS AND ALARMS	•		
RECORDED EVENT LOG (250 OCCURENCES)	•		
CAN AND MAGNETIC PICK UP/ALT SENSING		•	
FUEL USAGE MONITORING AND LOW FUEL ALARM		•	
MANUAL FUEL PUMP CONTROL		•	
ENGINE EXERCISER	•		
PROTECTIONS DISABLED FEATURE	•		
kW AND kV PROTECTION	•		
REVERSE POWER PROTECTION		•	
POWER MONITORING (kW h, kV Ar, kV A h, kV Ar h)	•		
LOAD SWITCHING		•	
AUTOMATIC LOAD TRANSFER		•	
UNBALANCED LOAD PROTECTION		•	
INDEPENDENT FAULT EARTH TRIP		•	
USB CONNECTIVITY	•		
FULLY CONFIGURABLE VIA DSE CONFIG SUITE	•		
RS232 AND RS485 COMMUNICATIONS		•	
CONFIGURABLE GENCOMM PAGES	•		
ADVANCED SMS MESSAGING AND START/STOP		•	4G GATEWAY MODULE REQUIRED
ETHERNET COMMUNICATIONS		•	DSE 855 MODULE REQUIRED
MODBUS INTEGRATION		•	

Weights, Dimensions and Canopy Specifications

- All Prime Power Bases and Canopy Panels are made in the UK in the Prime Power Factory.
- Easily moved via forklift.
- Intergrated silencer built into the base.
- Built in fuel tank with large 110L capacity.
- Designed to be able to be double stacked in a 40' High Cubed Container, so to maximise freight.
- Bases are constructed from 4mm Mild Steel, finished with a textured black powder coat. (RAL9005)
- Designed for air flow suitable for tropical climates with Tropical Radiator as standard.
- Canopy Panels made from 2mm zinc coated mild steel and finished with a clean white powder coat finish. (RAL9910).
- Fully lockable canopy
- Security bolts to prevent unauthorised access.
- Emergency Stop Button as standard
- High quality adjustable handles.
- Large removable doors for excellent access.
- Black Zinc die cast hinges on doors, tested and proven to withstand extremely corrosive conditions.



		FUEL TANK SIZE	LENGTH Mm	WIDTH Mm	HEIGHT mm	WEIGHT Kg
OPEN FRAME	60WP35	75	1500	700	1410	622
	60WP50	75	1700	700	1410	659
CANOPIED	60WP35	110	2220	1038	1247	914
	60WP50	110	2220	1038	1247	1111

SOUND PRESSURE LEVELS dB				
		15m	7m	1m
60WP35		64.3	70.4	81.3
60WP50		63.9	70.0	81.1

60Hz at 1800 RPM. Figures are provisional only. The Prime sound attenuated enclosures reduce sound levels to comply with the stage 2 levels of the European Community Directive 2000/14/EC

Standard Specification

CANOPY SPECIFICATION	60WP35	60WP50
DSE BATTERY CHARGER	STANDARD*	STANDARD*
FIRST FILL (Oil & Coolant)	STANDARD**	STANDARD**
DSE7320(ii) CONTROLLER	STANDARD	STANDARD
SINGLE SKIN BASE TANK	STANDARD	STANDARD
BUNDED BASE TANK	OPTIONAL	OPTIONAL
GLOW PLUGS	OPTIONAL	OPTIONAL
ENGINE COOLANT HEATER	OPTIONAL	OPTIONAL
LOW WATER LEVEL SWITCH	OPTIONAL	OPTIONAL
CE UPGRADE	OPTIONAL	OPTIONAL
ELECTRONIC GOVERNOR	OPTIONAL	OPTIONAL
SUMP DRAIN KIT	STANDARD	STANDARD
SUMP DRAIN PUMP	OPTIONAL	OPTIONAL
430 STAINLESS CANOPY	OPTIONAL	OPTIONAL
ANTI CONDENSATION HEATER	OPTIONAL	OPTIONAL
THERMISTORS	OPTIONAL	OPTIONAL
PMG UPGRADE	NA	NA
DROOP CT	NA	NA
CIRCUIT BREAKER	LS 63A	LS 100A

* **Prime** POWER OPEN SPECIFICATION OF THIS SIZE DO NOT INCLUDE BATTERY CHARGERS AS STANDARD. THESE CAN BE ADDED AS OPTIONAL EXTRAS IF REQUIRED.

** WELLAND POWER OPEN SPECIFICATIONS DO NOT INCLUDE FIRST FILL AS STANDARD. FIRST FILL CAN BE PROVIDED UPON REQUEST.



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