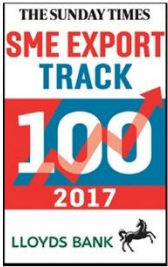


Welland



WP9

WP13

WP15

WP20

**UK Made Diesel
Generators**

50 Hz

**With Perkins
Engines**

**Your Power.
Our Passion.**

 **Perkins®**

Diesel Power

STAMFORD®

Generator Power Summary

	PRP kW	PRP kVA	ESP kW	ESP kVA
WP9	6.8	8.5	7.5	9.4
WP13	10.0	12.5	11.1	13.8
WP15	11.5	14.4	12.7	15.8
WP20	15.7	19.6	17.3	21.6

Ratings based on NTP conditions 3 phase, 400V, 1500RPM, 50Hz, 0.8 Power Factor

Engine Overview

	WP9	WP13	WP15	WP20
ENGINE MANUFACTURER	PERKINS	PERKINS	PERKINS	PERKINS
MODEL	403A-11G1	403A-15G1	403A-15G2	404A-22G
ENGINE ORIGIN	UK	UK	UK	UK
ASPIRATION	NATURALLY ASP.	NATURALLY ASP.	NATURALLY ASP.	NATURALLY ASP.
GOVERNOR TYPE	MECHANICAL	MECHANICAL	MECHANICAL	MECHANICAL
NO. OF CYLINDERS	3	3	3	4
DISPLACEMENT	1.131	1.496	1.496	2.216
BORE	77mm	84mm	84mm	84mm
STROKE	81mm	90mm	90mm	100mm
COOLING TYPE	LIQUID COOLED	LIQUID COOLED	LIQUID COOLED	LIQUID COOLED
COOLANT CAPACITY (L)	5.2	6.0	6.0	7.0
OIL CAPACITY (L)	4.9	6.0	6.0	10.6
MAX. EXHAUST OUTLET TEMPERATURE	420	490	580	505
FUEL CONSUMPTION L/HR				
50% LOAD	1.50	2.04	2.24	2.90
75% LOAD	2.00	2.79	3.11	4.00
100% LOAD	2.60	3.67	4.30	5.30
110% LOAD	2.90	4.08	5.04	6.10

ESP - STANDBY POWER - The maximum power available during a variable power sequence in which a Welland 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 Welland Power Diesel Generator will be able to deliver continuously. Average load should be circa 70%. The generator can have 10% overload for 1 hour per 12 hours.

Alternator Overview

	WP9	WP13	WP15	WP20
ALTERNATOR MANUFACTURER	STAMFORD	STAMFORD	STAMFORD	STAMFORD
MODEL	S0L1-H1	S0L1-P1	S0L1-P1	S0L2-G1
PHASES	3	3	3	3
BEARINGS	SINGLE	SINGLE	SINGLE	SINGLE
POLES	4	4	4	4
LEADS	12	12	12	12
AVR MODEL	AS540	AS540	AS540	AS540
VOLTAGE REGULATION	± 1%	± 1%	± 1%	± 1%
INSULATION CLASS	H	H	H	H
EXCITATION	SELF EXCITED	SELF EXCITED	SELF EXCITED	SELF EXCITED
CONNECTION TYPE	SERIES STAR	SERIES STAR	SERIES STAR	SERIES STAR
TOTAL HARMONIC CONTENT (NO LOAD)	<2%	<2.5%	<2.5%	<2.5%
EFFICIENCY	81.0	83.2	83.2	85.3
SHORT CIRCUIT CAPACITY	>300%	>300%	>300%	>300%
REACTANCES X _d	2.060	2.090	2.090	2.623
REACTANCES X' _d	0.135	0.117	0.117	0.139
REACTANCES X'' _d	0.116	0.108	0.108	0.136

Welland Power standard specification includes alternators from stock that are randomly allocated based on the physical specifications 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 point of order and these requests may incur mandatory additional costs in line with our cost of providing these attributes.

Alternative Alternator Options

	WP9	WP13	WP15	WP20
MECCALTE	ECP3-2LN/4	ECP3-3LN/4	ECP3-3LN/4	ECP28-M4C

Control Panel Overview



**DEEP SEA
ELECTRONICS**

All standard Welland Power Diesel Generators come complete with a Deep Sea Electronics DSE7320 MKII Auto Mains Failure Control Module.

The UK made DSE7320 MKII Control Module gives outstanding monitoring and is loaded with features.

The modules can be easily configured using the DSE Configuration Suite PC software.

	STANDARD	AVAILABLE	ADDITIONAL EQUIPMENT REQUIRED
LOW OIL SHUTDOWN	•		
HIGH ENGINE TEMPERATURE SHUTDOWN	•		
UNDER VOLTAGE WARNING / SHUTDOWN	•		
OVER SPEED / OVER FREQUENCY WARNING / SHUTDOWN	•		
UNDER SPEED / OVER FREQUENCY WARNING / SHUTDOWN	•		
OVER CRANK / FAIL TO START ALARMS	•		
OVER CURRENT ALARMS	•		
THREE PHASE VOLTAGE 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		•	MAGNETIC PICK UP / ECU
FUEL USAGE MONITORING AND LOW FUEL ALARM		•	FUEL TANK SWITCH / SENDER
MANUAL FUEL PUMP CONTROL		•	FUEL PUMP
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		•	ATS WITH AUTOMATIC BREAKER
AUTOMATIC LOAD TRANSFER		•	ATS
UNBALANCED LOAD PROTECTION	•		
INDEPENDENT FAULT EARTH TRIP		•	EARTH CT
USB CONNECTIVITY	•		
FULLY CONFIGURABLE VIA DSE CONFIG SUITE	•		
RS232 AND RS485 COMMUNICATIONS		•	COMPATIBLE HARDWARE / SOFTWARE
CONFIGURABLE GENNCOMM PAGES	•		
ADVANCED SMS MESSAGING AND START/STOP		•	4G GATEWAY MODULE
ETHERNET COMMUNICATIONS		•	DSE 855 MODULE
MODBUS INTEGRATION		•	COMPATIBLE HARDWARE / SOFTWARE

Weight, Dimensions and Canopy Specifications

- All Welland Power bases and canopy panels are made in the UK in the Welland Power factory.
- Easily moved via forklift.
- Integrated silencer built into the base.
- Built in fuel tank with large 75L 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 are 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.

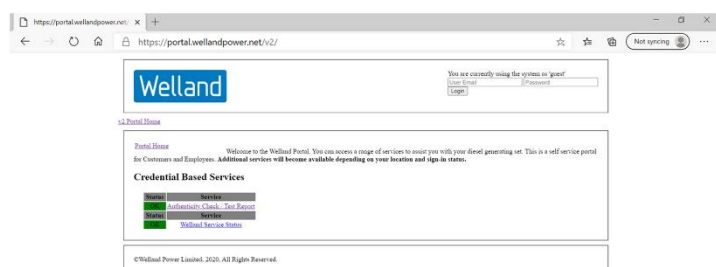
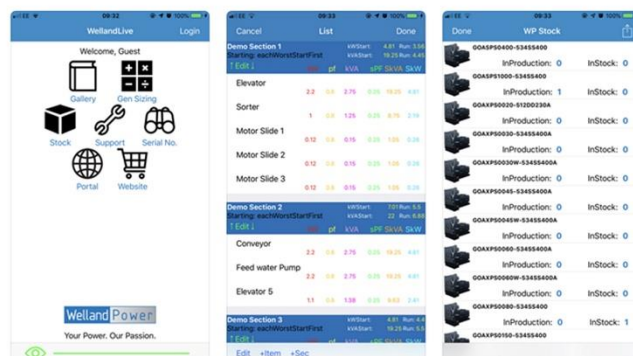


	FUEL TANK SIZE (L)	LENGTH mm	WIDTH mm	HEIGHT mm	WEIGHT kg
WP9	75	1200	758	1235	409
WP13	75	1200	758	1235	428
WP15	75	1200	758	1235	428
WP20	75	1490	758	1235	468
WP9	75	1680	758	1235	458
WP13	75	1680	758	1235	458
WP15	75	1680	758	1235	458
WP20	75	1680	758	1235	588

	SOUND PRESSURE LEVELS dB		
	15m	7m	1m
WP9	60.9	65.7	75.5
WP13	62.3	68.7	78.2
WP15	62.3	68.7	78.2
WP20	62.6	69.2	78.5

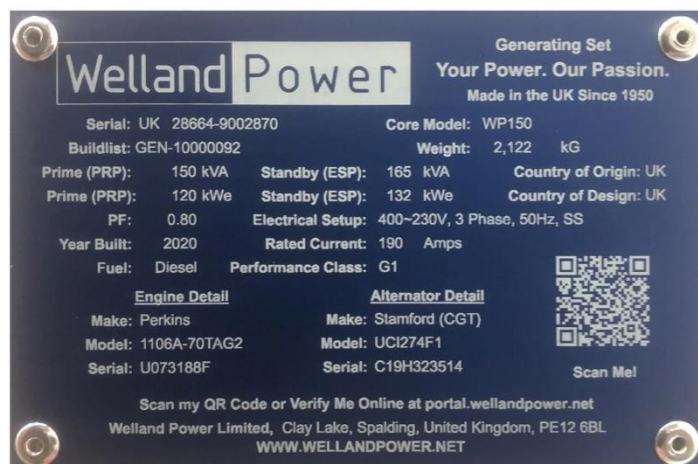
Useful Information

When purchasing your diesel generator, it is crucial to size it correctly. For prime applications average load applied should be in the region of 70% load. To assist in sizing your required generator, please use our Generator Sizing Tool available on most compatible smart devices. Other key features of the application include support links, stock updates and portal features.



The Welland Power Portal <http://portal.wellandpower.net/> is easily accessible and gives you and your customers instant access to a variety of information including the test certificates for each Welland Power Diesel Generator through input of the unique generator serial number or QR code search on the set.

All Welland Power Diesel Generators are easily identifiable by their unique laser engraved metal generator plates. The Generator Name Plates show the generator ratings and contain full details about the Engine and Alternator, including manufacturer, model numbers, serial numbers and country of origin. Each generator has a unique generator serial number that can be input at the Welland Power portal for support, or a QR Code that automatically opens to the correct webpage when scanned with any smart phone.



We are very proud to be current holders of:

The Queens Award For Enterprise: International Trade.

All Welland Power sets come complete with Welland Power branded sticker kits applied as well as HRH The Queen's Official Logo.

Welland Power were formally presented with the Award at the Welland Power Factory by the Her Majesty The Queen's representative Lord Lieutenant Toby Dennis.

Previously Managing Director Charlie Farrow has met with his Royal Highness Prince Charles of Wales to receive the Queens Award following recommendations by Teresa May, who was the UK Prime Minister at the time.

The Award was presented to acknowledge the success and growth of the company over the last few years.

Alternator Overview

	WP9	WP13	WP15	WP20
DSE BATTERY CHARGER	STANDARD*	STANDARD*	STANDARD*	STANDARD*
TROPICAL RADIATOR	STANDARD	STANDARD	STANDARD	STANDARD
FIRST FILL (OIL & COOLANT)	STANDARD**	STANDARD**	STANDARD**	STANDARD**
DSE7320 MKII CONTROL MODULE	STANDARD	STANDARD	STANDARD	STANDARD
SINGLE SKIN BASE TANK	STANDARD	STANDARD	STANDARD	STANDARD
BUNDED BASE TANK	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
GLOW PLUGS	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
ENGINE COOLANT HEATER	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
LOW WATER LEVEL SWITCH	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
CE UPGRADE	N/A	N/A	N/A	N/A
ELECTRONIC GOVERNOR	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
SUMP DRAIN KIT	STANDARD	STANDARD	STANDARD	STANDARD
SUMP DRAIN PUMP	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
430 STAINLESS CANOPY	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
ANTI CONDENSATION HEATER	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
THERMISTORS	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
PMG UPGRADE	N/A	N/A	N/A	N/A
DROOP CT	N/A	N/A	N/A	N/A
CIRCUIT BREAKER	LPE 25A	LPE 25A	LPE 25A	LPE 32A

* Welland Power Open Specifications do not include a DSE Battery Charger. These can be added as an optional extra.

** Welland Power Open Specifications do not include first fill as standard. First fill can be provided upon request.

Contact Us



Welland Power Diesel Generators are manufactured in the UK, factories located at Unit 2, 5 & 6 Welland Business Park, Clay Lake, Spalding, Lincolnshire, PE126BL



+44 (0) 1775 888 888



Welland Power Diesel Generators



sales@wellandpower.net

