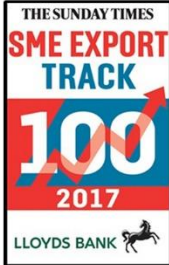


Welland



THE QUEEN'S AWARDS
FOR ENTERPRISE:
INTERNATIONAL TRADE
2018



QMS[®]
ISO 9001
REGISTERED



WP135

WP150

WP180

WP200

**UK Made Diesel
Generators**

50 Hz

**With Perkins
Engines**



 **Perkins[®]**

Diesel Power

STAMFORD[®]

**Your Power.
Our Passion.**

Generator Power Summary

RATINGS BASED ON NTP CONDITIONS:
400V, 50Hz, 1500RPM, 3 PHASE, 0.8pf

	PRIME POWER		STANDBY POWER	
	PRP kVA	PRP kW	ESP kVA	ESP kW
WP135	136.1	108.8	150.0	120.0
WP150	151.1	120.9	166.3	133.0
WP180	183.9	147.1	204.3	163.5
WP200	200.0	160.0	220.0	176.0

PRIME POWER (PRP): THIS RATING IS THE MAXIMUM POWER THAT A WELLAND POWER DIESEL GENERATOR CAN DELIVER CONTINUOUSLY FOR AN UNLIMITED NUMBER OF HOURS PER YEAR IN A VARIABLE LOAD APPLICATION. A 10% OVERLOAD IS PERMITTED FOR 1 HOUR IN EVERY 12 HOURS OPERATION.

STANDBY POWER (ESP): THIS RATING IS THE MAXIMUM POWER THAT A WELLAND POWER DIESEL GENERATOR CAN DELIVER IN THE EVENT OF A POWER OUTAGE FOR UP TO 500 HOURS PER YEAR, WITH AN AVERAGE LOAD FACTOR OF 80% OF THE PUBLISHED STANDBY RATING. NO OVERLOAD IS AVAILABLE.

Engine Overview

	WP135	WP150	WP180	WP200
ENGINE MANUFACTURER	PERKINS	PERKINS	PERKINS	PERKINS
MODEL	1106A-70TG1	1106A-70TAG2	1106A-70TAG3	1106A-70TAG4
ENGINE ORIGIN	UK	UK	UK	UK
ASPIRATION TYPE	TURBOCHARGED	TURBOCHARGED	TURBOCHARGED	TURBOCHARGED
GOVERNOR TYPE	MECHANICAL	MECHANICAL	MECHANICAL	ELECTRONIC
NO. OF CYLINDERS	6	6	6	6
DISPLACEMENT	7.01	7.01	7.01	7.01
BORE	105mm	105mm	105mm	105mm
STROKE	135mm	135mm	135mm	135mm
COOLING TYPE	LIQUID COOLED	LIQUID COOLED	LIQUID COOLED	LIQUID COOLED
COOLANT CAPACITY (L)	21.0	21.0	21.0	21.0
OIL CAPACITY (L)	18.0	18.0	18.0	18.0
MAX. EXHAUST OUTLET TEMPERATURE	575 °C	419 °C	485 °C	485 °C
FUEL CONSUMPTION L/HR				
50% LOAD	15.90	16.40	20.20	23.10
75% LOAD	22.70	24.70	32.00	34.70
100% LOAD	30.28	33.40	41.40	45.80
110% LOAD	33.80	36.10	45.10	49.40

Alternator Overview

	WP135	WP150	WP180	WP200
ALTERNATOR MANUFACTURER	STAMFORD	STAMFORD	STAMFORD	STAMFORD
MODEL	UCI 274E	UCI 274F	UCI 274H	UCI 274H
PHASES	3	3	3	3
BEARINGS	SINGLE	SINGLE	SINGLE	SINGLE
POLES	4	4	4	4
LEADS	12	12	12	12
AVR MODEL	SX460	SX460	SX460	SX460
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)	<1.5%	<1.5%	<1.5%	<1.5%
EFFICIENCY	91.7%	92.3%	93.3%	93.3%
SHORT CIRCUIT CAPACITY	>300%	>300%	>300%	>300%
REACTANCES X _d	2.11	2.02	1.91	1.91
REACTANCES X' _d	0.19	0.17	0.16	0.16
REACTANCES X'' _d	0.13	0.12	0.11	0.11

WELLAND POWER STANDARD SPECIFICATIONS INCLUDE 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

	WP135	WP150	WP180	WP200
MECCALTE	ECP34-2M4C	ECP34-1L4C	ECO38N-2SA	ECO38N-2SA
LEROY SOMER	TAL044H	TAL044J	TAL044M	TAL044M

Control Panel Overview



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.

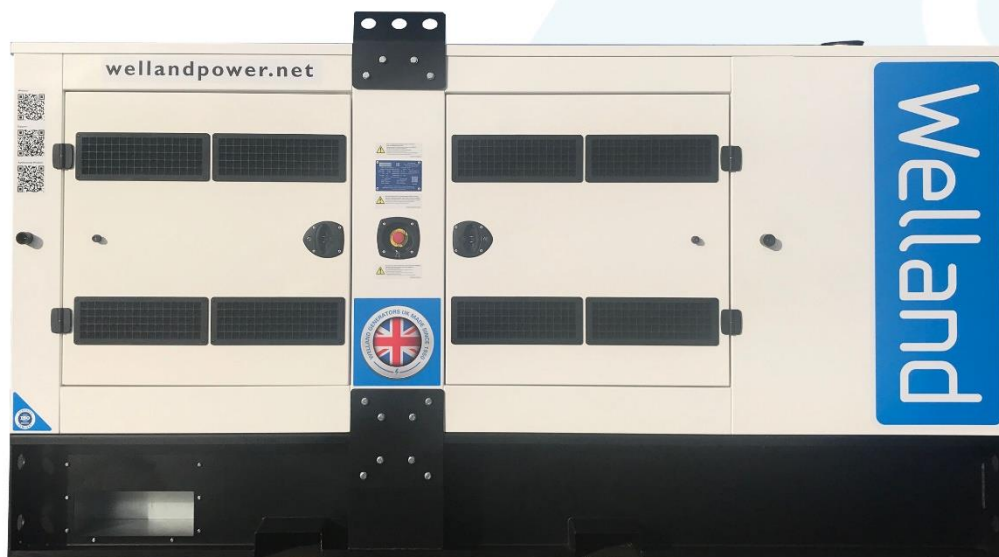


	STANDARD	AVAILABLE	ADDITIONAL EQUIPMENT REQUIRED
LOW OIL SHUTDOWN	•		
HIGH ENGINE TEMPERATURE SHUTDOWN	•		
UNDER VOLTAGE WARNING / SHUTDOWN	•		
OVER SPEED / OVER FREQUENCY WARNING / SHUTDOWN	•		
UNDER SPEED / OVER FREQUENCY WARNING / SHUTDOWN	•		
OVER CRANK / FAIL TO START ALARMS	•		
OVER CURRENT ALARMS	•		
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 canopies are designed and fabricated at the Welland Power Factory located in Spalding, UK.
- Integrated fork lift pockets allows the generator to be moved easily and placed on site.
- Integrated silencer built into the generator base.
- Large 260 litre pressure tested steel fuel tank.
- Compact design to maximise the number of units that can be shipped in a container.
- Bases are constructed from 4mm Mild Steel, finished with a textured black powder coat (RAL9005).
- Designed for tropical climates to ensure sufficient air flow for high ambient temperatures with a 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 ergonomically designed adjustable handles.
- Large removable doors with rubber door latches for excellent maintenance access.
- Black zinc die cast hinges on doors, tested and proven to withstand extremely corrosive conditions.
- External access to radiator filler intake.



		FUEL TANK SIZE (L)	LENGTH mm	WIDTH mm	HEIGHT mm	WEIGHT kg
OPEN FRAME SPECIFICATION	WP135	310	2300	762	1482	1338
	WP150	310	2300	762	1482	1394
	WP180	310	2433	755	1565	1446
	WP200	310	2433	755	1565	1446
CANOPIED SPECIFICATION	WP135	425	3200	1131	1787	2248
	WP150	425	3200	1131	1787	2274
	WP180	425	3200	1131	1787	2300
	WP200	425	3200	1131	1787	2300

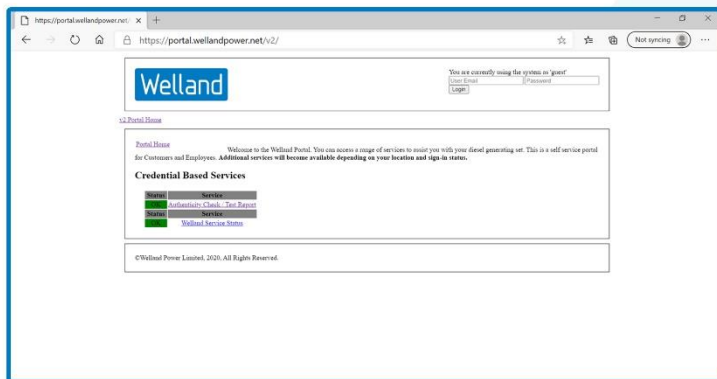
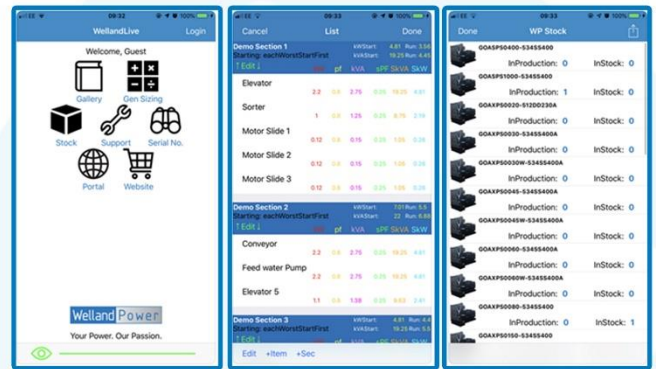
SOUND PRESSURE LEVELS dB			
	15m	7m	1m
WP135	61.7	68.7	81.2
WP150	62.4	69.5	82.3
WP180	62.7	69.9	82.9
WP200	62.9	70.1	83.1

Useful Information

WHEN PURCHASING YOUR DIESEL GENERATOR, IT IS CRUCIAL TO SIZE IT CORRECTLY.

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 LOCATED AT

[HTTP://PORTAL.WELLANDPOWER.NET/](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.

Standard Specification

	WP135	WP150	WP180	WP200
DSE BATTERY CHARGER	STANDARD*	STANDARD*	STANDARD*	STANDARD*
DRY CHARGED BATTERY	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
ENGINE COOLANT HEATER	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
LOW COOLANT LEVEL SWITCH	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
CE UPGRADE	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
ELECTRONIC GOVERNOR	OPTIONAL	OPTIONAL	OPTIONAL	STANDARD
LOW LEVEL TANK ALARM	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
316 STAINLESS STEEL CANOPY	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
ANTI CONDENSATION HEATER	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
THERMISTORS	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
PMG UPGRADE	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
DROOP CT	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
3 POLE CIRCUIT BREAKER	STANDARD	STANDARD	STANDARD	STANDARD
4 POLE CIRCUIT BREAKER	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
AUTOMATIC TRANSFER SWITCH	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL

* WELLAND POWER OPEN GENSET 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



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Welland Power Diesel Generators



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for more information please visit our website at www.wellandpower.net