



WP200-WP300, Three Phase, 200-330kVA

Strong, Corrosion Resistant Construction

- Base frame, coated with polyester powder coat at over 200 Degrees C, for excellent long-term resilience.
- High quality, ISO R898 Structural Bolts, zinc coated for excellent corrosion resistance.
- S275 steel, laser cut and CNC formed.
- This product is **ONLY** produced in the UK, using UK sourced steel produced to BS, EN and ISO standards.

High Quality Power on Demand

- Remote start control panel as standard produced using a UK made DSE 7000 series control module.
- Our units offer not only excellent ratings aligned with key power nodes, but high quality power, excellent reactive power availability, high overload capability and a wide range of options on all Stamford alternators.

Transportation

- Unit is forklift-ready, allowing easy positioning on site.
- Strong and sturdy feet and base for excellent transportability, movement and long term strength.
- Optional central lifting point.

Quality Materials and Workmanship

- Engineered from design to assembly by our dedicated team, we provide exceptional solutions to your needs.
- Welded Tank, excellent capacity.
- UK suppliers are subjected to extensive checks within our ISO 9001 framework.
- In house laser cutting and sheet metal facility allows production to the highest possible standards.

Safety, Security and Environmental

- Radiator fan and battery charging alternator fully guarded.
- High quality roof mounted silencer for operator safety.
- Alternator moving parts fully guarded to prevent injury.
- Alternative engine options available, allowing certification against the requirements of EU Stage IIIA (Directives 97/68/EC, as last amended) for mobile applications.

Servicing and Support

- Replaceable element fuel and air filters, full flow spin on oil filters.
- Spares available usually next day.
- High quality support for technical issues.
- International Perkins / Stamford Warranty.

Every Welland Power Generator Is Made In The UK.

Standard Features

- Heavy duty Perkins engine.
- Manuals and circuit wiring diagrams.
- UK assembly in our ISO 9001 facility.
- Test and Pre-Delivery Inspection Check.
- Deep Sea Electronics 7120 MK2 controller.

Additional Options

- A range of sound attenuated enclosures.
- Higher specification control panels.
- Additional alarms and shutdowns.
- A selection of exhaust silencer noise levels.
- A Mecc Alte Alternator / Leroy Alternator.
- Optionally wired for Cold Start.

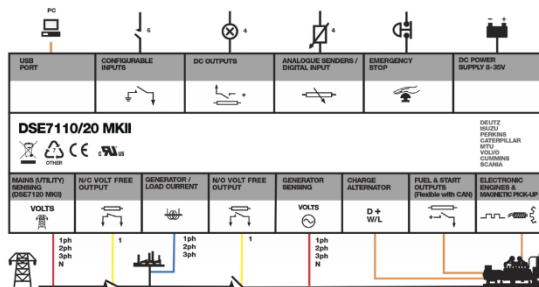
Power You Control



Global solutions for power requirements come from global companies. With over 60 years' experience producing generators for sale in over 100 countries; we can assist you to meet your power requirement, on time and on budget.

Based on the proven UK made Perkins diesel engine, coupled to a Stamford alternator, The UK made Deep Sea 7000 series controller gives outstanding monitoring and features. Deep Sea Control modules are a "must have" feature for all segments of the generator market as it includes a wide range of configurable options and extension modules to meet every requirement.

CONNECTION DIAGRAM



With a huge range of options and accessories as well as alternative and custom builds we offer a unit to suit your requirements. Upgrade controllers for enhanced metering, remote monitoring and synchronising control. We offer synchronising systems for up to 32 generators and mains synchronising for peak lopping, no break return and STOR applications.

See our control panel guides for more details.

Shutdowns and Protections

- Low Oil Pressure Shutdown
- High Engine Temperature Shutdown
- Under Voltage Warning / Shutdown
- Over Voltage Warning / Shutdown
- Over speed / Over Frequency
- Under speed / Under Frequency
- Over Crank / Fail to Start Alarm
- Over Current Alarms

Monitoring and Control

- Manual and Automatic Modes
- Three phase voltage monitoring
- Three phase current monitoring
- Frequency monitoring
- Start, Crank, Crank Rest, Warm Up Timers
- Return and Cool down timers
- Battery under / Over voltage alarms
- Exercise Scheduler

Generator Ratings Data (Standby / Prime)

Model	Gross Engine Power	Net Engine Power	Alternator Efficiency at full rated load	Available Active Power	Power Factor	kVA Rating
	kW	kW	%	kW	ϕ	kVA
Three Phase Models						
WP200E	210 / 192	196 / 178	93.3	183 / 166	0.8	220 / 200
WP225E	236 / 213	222 / 204	92.6	205 / 188	0.8	250 / 200
WP250E	258 / 236	244 / 222	92.7	239 / 205	0.8	275 / 250
WP275E	281 / 258	267 / 244	93.0	248 / 226	0.8	300 / 275
WP300E	307 / 281	293 / 267	93.0	285 / 248	0.8	330 / 300

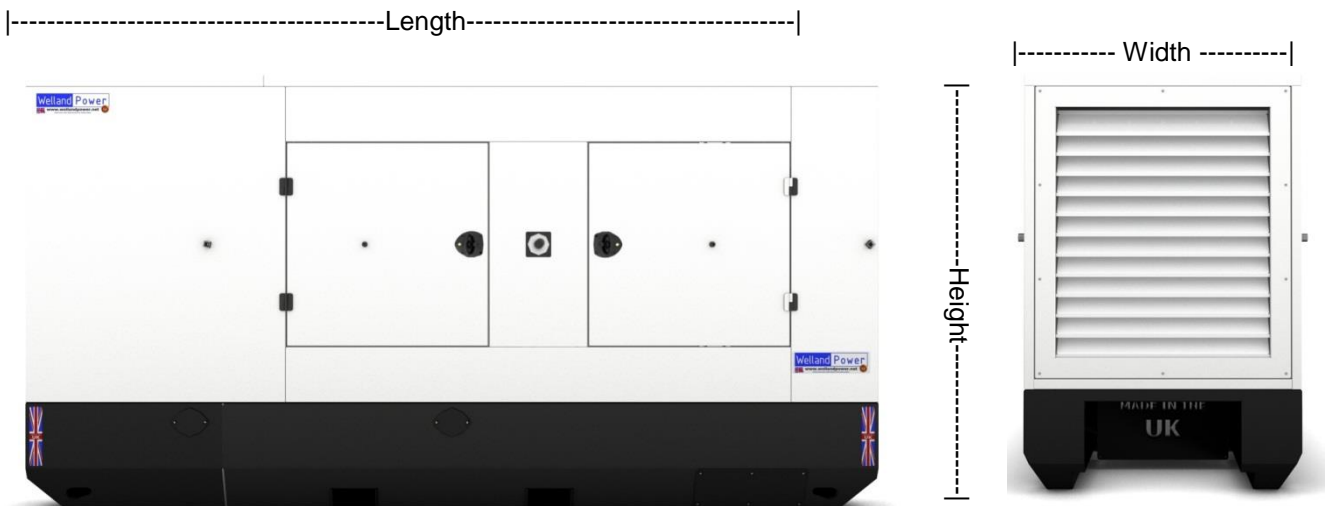
Engine Advanced Technical Data

Model	Engine Make	Engine Model	Induction	Cooling	Governor Type/Class	Compression Ratio	Displacement (L)	Charging Alternator Amps	Oil Capacity (L)	Exhaust Gas Temperature (Deg. C)
WP200E	Perkins	1506A-E88TAG1	Turbo Charged	Water Cooled	Electronic	16.1 : 1	8.8 L	45	28.3	512
WP225E	Perkins	1506A-E88TAG2			Electronic	16.1 : 1	8.8 L	45	28.3	475
WP250E	Perkins	1506A-E88TAG3			Electronic	16.1 : 1	8.8 L	45	28.3	558
WP275E	Perkins	1506A-E88TAG4			Electronic	16.1 : 1	8.8 L	45	28.3	512
WP300E	Perkins	1506A-E88TAG5			Electronic	16.1 : 1	8.8 L	45	28.3	512

Alternator Technical Data

Model	Alternator Make	Alternator Model	Bearings	Winding Pitch	Wires	AVR Model	Voltage Regulation	Total Harmonic Content (%)	Short Circuit Capacity	Reactance's %		
										Xd	X'd	X''d
WP200E	Stamford	UCI 274H	1	2/3	12	SX460	± 1%	<5%	>300%	191	16	11
WP225E		UCDI274J				SX460	± 1%	<5%		175	9	6
WP250E		UCDI 274K				SX460	± 1%	<5%		255	11	7
WP275E		S4L1D-D41				AS440	± 1%	<5%		285	18	13
WP300E		S4L1D-D41				AS440	± 1%	<5%		285	18	13

Radio interference suppression that meets or exceeds EU standard EN61000-6. Voltage regulation at steady state. Total Waveform distortion at full load.



Dimensions, Weights and Fuel Consumption

Model	Canopied Dimensions				All Units				Open Set Dimensions			
	Length (mm)	Width (mm)	Height (mm)	Weight (KG)	Tank Capacity (Litres) Canopy / Open	Fuel Consumption (L/hr)			Length (mm)	Width (mm)	Height (mm)	Weight (KG)
						110 %	100 %	75 %				
Three Phase Models												
WP200E	4900	1820	2463	4307	800L / 650L	47.2	44.6	33.9	3000	1000	1720	2775
WP225E	4900	1820	2463	4408	800L / 650L				3000	1000	1720	2876
WP250E	4900	1820	2463	4408	800L / 650L	60.7	55.5	41.6	3000	1000	1720	2876
WP275E	4900	1820	2463	4648	800L / 650L	66.3	60.2	45.8	3000	1000	1720	3116
WP300E	4900	1820	2463	4648	800L / 650L	73.1	64.4	48.2	3000	1000	1720	3116

950mm is required to open canopy doors. Fuel consumptions all at 1500RPM.

While every effort is made to maintain these specifications, in line with our policy of continuous improvement we reserve the right to change the specification without notice. If any part of this specification is critical to your application, please ensure you confirm it with your sales engineer prior to placing an order. Some items shown on this specification sheet may be non-standard. Some features shown on this leaflet may be optional at additional cost. Please confirm all options required with a sales agent prior to placing an order.



Optional 4900 Canopy Specification

Strong, Corrosion Resistant Construction

- UK sourced steel sheet Polyester powder coated at over 200 Degrees C prevents corrosion.
- Black zinc die cast hinges on doors tested and proven to withstand extremely corrosive conditions.

Maintenance And Access

- Unit has 980mm doors for excellent access.
- Removable Doors, modular bolt together design.
- Radiator fills easily with ample space.
- Oil Drain and Radiator Drain available as options.

Quality Materials and Workmanship

- Welded roof and doors for excellent finish.
- Reinforced ridged doors for enhanced strength.
- High quality adjustable handles.
- UK Made control panel and control cables.

Safety and Security

- Fully lockable canopy.
- Security bolts to prevent unauthorised access.
- Canopy shields hot engine parts.
- Emergency Stop Button fitted as standard.

The Welland sound attenuated enclosures reduce sound levels to comply with the stage 2 levels of the European Community Directive 2000/14/EC

Sound Pressure Levels, CP2500 Enclosure

Model	Rating	LWA	15m		7m		1m	
			75%	100%	75%	100%	75%	100%
3 Phase Generators								
WP200E	Prime		63.6	64.2	68.9	70.2	80.1	81.2
	Standby		63.8	64.4	69.9	70.4	80.3	81.4
WP225E	Prime		63.7	64.3	70.0	70.3	80.2	81.3
	Standby		64.0	64.5	70.2	70.6	80.4	81.5
WP250E	Prime		63.9	64.4	70.1	70.5	80.3	81.4
	Standby		64.2	64.6	70.3	70.7	80.5	81.6
WP275E	Prime		64.2	64.5	70.9	71.1	80.9	81.1
	Standby		64.7	65.2	71.1	71.8	81.1	81.7
WP300E	Prime		65.9	66.4	72.1	72.5	82.3	83.4
	Standby		66.2	66.6	72.3	72.7	82.5	83.6

Sound pressure Level figures are provisional. For verification of a particular figure, please contact sales.

Your Local Welland Power Dealer:

WWW.WELLANDPOWER.NET

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