



WB440-WB825, Three Phase, 440-825kVA

Strong, Corrosion Resistant Construction

- High quality base, coated and protected with a modern corrosion resistant finish, 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 optional.
- 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 available 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 Environment

- 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 Baudouin / Stamford Warranty.

Every Prime Power Generator Is Made In The UK.

Standard Features

- Heavy duty Baudouin engine.
- Manuals and circuit wiring diagrams.
- UK assembly in our ISO 9001 facility.
- Test and Pre-Delivery Inspection Check
- Deep Sea Electronics 7320 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.
- Wired for Cold Start / Engine Heater.

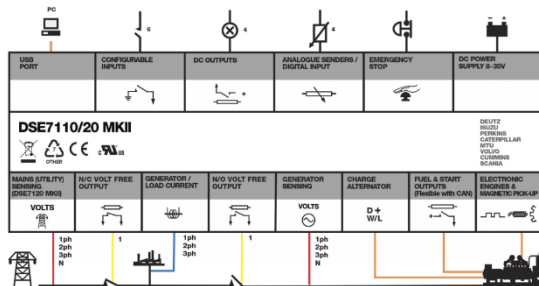
Power You Control



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)

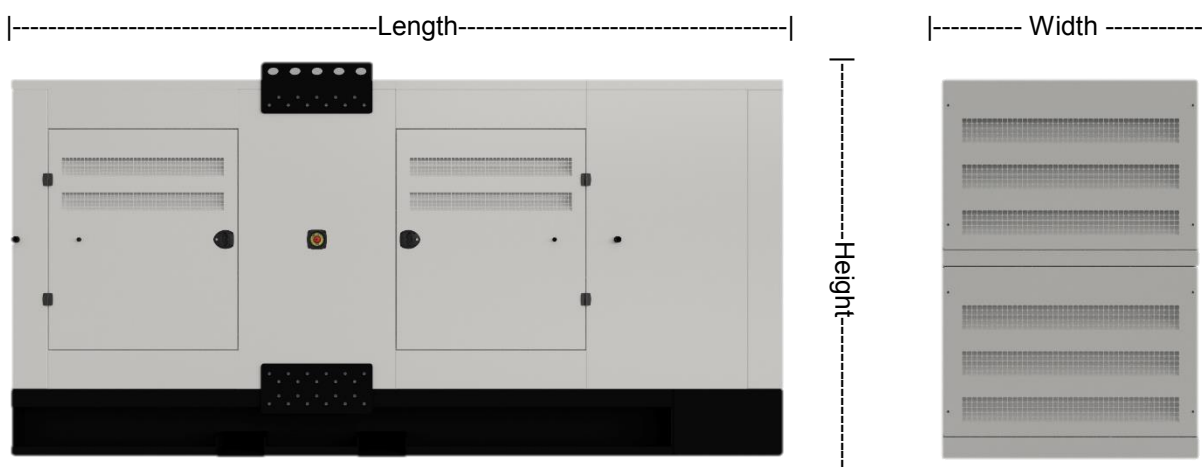
Model	Gross Engine Power	Net Engine Power	Alternator Efficiency at full rated load	Available Active Power	Power Factor	kVA Rating
	kW	kW	%	kW	ϕ	kVA
Three Phase Models						
WB440	405 / 368	382 / 345	92.9	354 / 332	0.8	443 / 415
WB500	450 / 409	427 / 386	93.3	398 / 360	0.8	497 / 450
WB550	447 / 406	459 / 417	93.8	431 / 391	0.8	539 / 489
WB550/B			94.3		0.8	
WB660	572 / 520	556 / 505	94.9	528 / 480	0.8	660 / 600
WB715	633 / 575	602 / 544	95.0	572 / 517	0.8	715 / 647
WB825	725 / 633	716 / 651	94.4	676 / 614	0.8	819 / 742

Engine Advanced Technical Data

Model	Engine Make	Engine Model	Induction	Cooling	Governor Type/Class	Compression Ratio	Displacement	Charging Alternator Amps	Oil Capacity (L)	Exhaust Gas Temperature (Deg. C)
WB440	Baudouin	6M21G440/5	Turbo Charged & After Cooled	Water Cooled	Electronic	16 : 1	12.54	70	31.7	600
WB500	Baudouin	6M21G500/5			ECU	16 : 1	12.54	70	32	600
WB550	Baudouin	6M26G550/5			Electronic	15.7 : 1	15.9	55	55	600
WB550/B	Baudouin	6M21G550/5			Electronic					
WB660	Baudouin	6M33G660/5			Electronic	15 : 1	19.6	55	60.5	600
WB715	Baudouin	6M33G715/5			Electronic	15 : 1	19.6	55	64	600
WB825	Baudouin	6M33G825/5			ECU	15 : 1	19.6	55	62	600

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
WB440	Stamford	S4L1D-F41	1	2/3	12	AS440	± 1%	<5%	300%	254	17	13
WB500		S4L1D-G41				AS440	± 1%	<5%		320	17	10
WB550		HCI 544C				AS440	± 1%	<5%		288	15	11
WB550/B		HCI 544D				AS440	± 1%	<5%		299	15	11
WB660		HCI 544E				AS440	± 1%	<5%		262	14	10
WB715		HCI 544F				AS440	± 1%	<5%		288	15	11
WB825		HCI 634G				MX321	± 1%	<5%		262	14	10

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

	Canopied Dimensions				All Units				Open Set Dimensions			
Model	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												
WB440	4900	1664	2500	4500	630 L	94.9	85.0	63.4				
WB500	4900	1664	2500	4700	630 L	110.2						
WB550	4900	1664	2500	5900	630 L	116.9	104.9	78.4				
WB550/B	4900	1664	2500		630 L							
WB660	4900	1664	2500	6380	630 L	136.3	122.7	91.4				
WB715	4900	1664	2500	6350	630 L	153.6	135.1	99.3				
WB825	4900	1664	2500	6850	630 L	182.3	155.4	113.0				

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 CP4900 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, CP3000 Enclosure

Model	Rating	LWA	15m		7m		1m	
			75%	100%	75%	100%	75%	100%
3 Phase Generators								
WB440	Prime		66.1	66.8	72.9	73.2	83.5	84.6
	Standby		66.2	66.9	73.0	73.4	83.7	84.7
WB500	Prime		66.1	66.9	72.9	73.4	83.6	84.7
	Standby		66.4	67.3	73.2	73.6	83.7	84.8
WB550	Prime		66.1	66.9	72.9	73.4	83.6	84.7
	Standby		66.4	67.3	73.2	73.6	83.7	84.8
WB550/B	Prime		66.1	66.9	72.9	73.4	83.6	84.7
	Standby		66.4	67.3	73.2	73.6	83.7	84.8
WB660	Prime		66.1	66.9	72.9	73.4	79.7	80.8
	Standby		66.4	67.3	73.2	73.6	80.1	81.4
WB715	Prime		66.1	66.9	72.9	73.4	80.2	81.1
	Standby		66.4	67.3	73.2	73.6	81.1	82.1
WB825	Prime		66.1	66.9	72.9	73.4	80.6	81.4
	Standby		66.4	67.3	73.2	73.6	81.4	82.2

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



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