

MODEL P2500-BWP

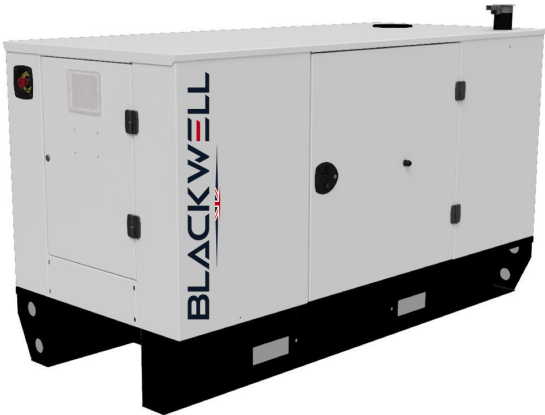
Not published
ESP

Not published
ESP

2,500.0 kVA
PRP

2,000.0 kW
PRP

50 HZ | PRIME & STANDBY POWER



DIESEL ENGINE	
ENGINE BRAND	Perkins
ENGINE MODEL	4016-61TRG3X
ASPIRATION	Turbocharged
GOVERNOR	Electronic

ALTERNATOR	
BRAND	Stamford
MODEL	S7L1D-J41
EXCITATION	PMG
INSULATION CLASS	H
VOLTAGE REGULATION	1%
SPACE HEATER	Optional

GENERATOR SET - KEY PARAMETERS	
GENSET MODEL	P2500-BWP
POWER PRP	2,500.0 kVA / 2,000.0 kW
POWER ESP	Not published kVA / Not published kW
FREQUENCY / SPEED	50 Hz / 1500 RPM
OUTPUT VOLTAGE	400 / 230 V
WIRING METHOD	3-phase, 4-wire
POWER FACTOR	0.8 pf lagging
ENCLOSURE / NOISE	Configuration-specific; Not published - confirm by configuration

AUXILIARY SYSTEMS	
CONTROL MODULE	Deep Sea DSE 7320 MKII
COOLING RADIATOR	Tropical, 50 C ambient
FULL-LOAD CURRENT	Not applicable / not published
CIRCUIT BREAKER	Optional; sized to generator rating
COOLANT HEATER	Optional
STARTING BATTERY	Wet battery, maintenance-free
FUEL TANK	Configuration-specific
BASE FRAME	Base tank + AVM + battery holder



Acoustic Vents



Premium DSE Controller



Easy Maintenance

STANDARD SUPPLY	
INSTALLATION ACCESSORIES	AVMs, exhaust connection, silencer, standard connection parts and tool kit.

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ENGINE TECHNICAL PARAMETERS - PERKINS 4016-61TRG3X - DIESEL

STRUCTURAL FORM	4 Stroke	COMBUSTION SYSTEM	Direct Injection
NUMBER OF CYLINDERS	16 (At Vee)	OIL CAPACITY	213L
DISPLACEMENT	61.12L	COOLANT CAPACITY	502L
BORE / STROKE	160mm / 190mm	MAX EXHAUST TEMP.	560 °C
COMPRESSION RATIO	12.8:1	EU EMISSIONS	None
ASPIRATION	Turbocharged		
GOVERNOR	Electronic		
COOLING METHOD	Liquid Cooled		
SPEED	1500 RPM		

FUEL CONSUMPTION

50% Load 259.40 litres/hour	75% Load 387.20 litres/hour	100% Load 536.80 litres/hour	110% Load Page 3 litres/hour
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ALTERNATOR TECHNICAL PARAMETERS - STAMFORD S7L1D-J41

RATED POWER AT 400 V	ESP 2,750.0 kVA / PRP 2,500.0 kVA
NUMBER OF POLES / LEADS	4 / 6
WINDING NUMBER	312
BEARING TYPE	1 bearing
PROTECTION CLASS	IP23
INSULATION CLASS	H
EXCITATION METHOD	PMG
VOLTAGE REGULATION	MX341 AVR / 1%
HARMONIC CONTENT	<5.00%
SHORT-CIRCUIT CAPACITY	>300%
SPACE HEATER	Optional

CONTROL SYSTEM - DSE 7320 MKII

BRAND	Deep Sea Electronics
MODEL	DSE 7320 MKII
CONFIGURABLE INPUTS / OUTPUTS	6 digital + 3 analogue senders / 6 outputs
KEY FEATURES	Auto-start, AMF control, LED indicators and event logging

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2,000.0 kW

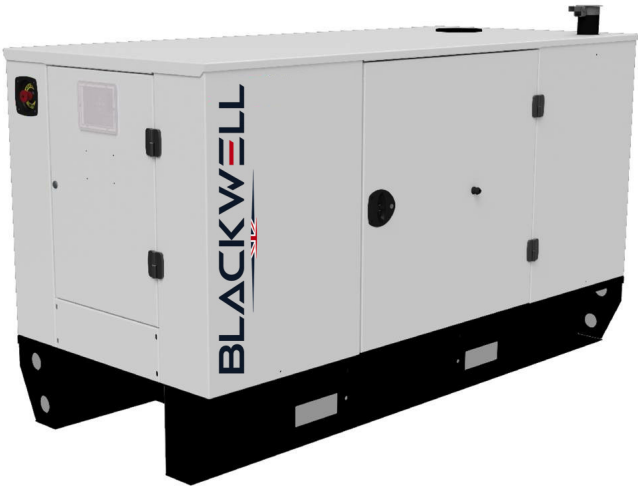
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ESP

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PRP

PRP



DIMENSIONS & WEIGHT	
CONFIGURATION	Dimensions and weight not published - obtain project-specific GA drawing.

RATING CONDITIONS	
RATING BASIS	NTP conditions; confirm project derating requirements
FREQUENCY / SPEED	50 Hz / 1500 RPM
VOLTAGE / CONNECTION	400/230 V / series star
POWER FACTOR	0.8 lagging
COOLING PACKAGE	Tropical radiator rated for 50 C ambient
STANDARDS	ISO 8528; IEC 60034

DISCLAIMER

Ratings and component data are transcribed from the corresponding Welland Power configuration for 400 V, three-phase, 50 Hz operation and checked against the listed Perkins engine and Stamford alternator models. Dimensions, weight, tank and noise data apply only to the configuration stated above. Images are illustrative and are intentionally common across this range. Final build specification, GA drawing, breaker selection and site derating must be confirmed at order. Manufacturer specifications may change without notice.

Dealer contact details: