

MODEL P750-BWP

825 kVA  
ESP

660 kW  
ESP

750 kVA  
PRP

600 kW  
PRP

50 HZ | PRIME & STANDBY POWER



DIESEL ENGINE

|              |                |
|--------------|----------------|
| ENGINE BRAND | Perkins        |
| ENGINE MODEL | 2806A-E18TTAG5 |
| ASPIRATION   | Turbocharged   |
| GOVERNOR     | Electronic     |

ALTERNATOR

|                    |                  |
|--------------------|------------------|
| BRAND              | Stamford         |
| MODEL              | S5L1D-H41        |
| EXCITATION         | Brushless        |
| INSULATION CLASS   | H                |
| VOLTAGE REGULATION | 1.0% Regulation% |
| SPACE HEATER       | Optional         |

GENERATOR SET - KEY PARAMETERS

|                   |                          |
|-------------------|--------------------------|
| GENSET MODEL      | P750-BWP                 |
| POWER PRP         | 750 kVA / 600 kW         |
| POWER ESP         | 825 kVA / 660 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 | Canopied; 76 dB(A) @ 7 m |

AUXILIARY SYSTEMS

|                   |                                     |
|-------------------|-------------------------------------|
| CONTROL MODULE    | Deep Sea DSE 7320 MKII              |
| COOLING RADIATOR  | Tropical, 50 C ambient              |
| FULL-LOAD CURRENT | 1190.8 A at ESP                     |
| CIRCUIT BREAKER   | Optional; sized to generator rating |
| COOLANT HEATER    | Optional                            |
| STARTING BATTERY  | Wet battery, maintenance-free       |
| FUEL TANK         | 1120 litres                         |
| 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. |
|--------------------------|-----------------------------------------------------------------------------|

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

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ENGINE TECHNICAL PARAMETERS - PERKINS 2806A-E18TTAG5 - DIESEL

|                     |               |                   |                  |
|---------------------|---------------|-------------------|------------------|
| STRUCTURAL FORM     | 4 Stroke      | COMBUSTION SYSTEM | Direct Injection |
| NUMBER OF CYLINDERS | 6 (In Line)   | OIL CAPACITY      | 68.0L            |
| DISPLACEMENT        | 18.1L         | COOLANT CAPACITY  | 110.0L           |
| BORE / STROKE       | 145mm / 183mm | MAX EXHAUST TEMP. | 474 °C           |
| COMPRESSION RATIO   | 14:1          | EU EMISSIONS      | None             |
| ASPIRATION          | Turbocharged  |                   |                  |
| GOVERNOR            | Electronic    |                   |                  |
| COOLING METHOD      | Liquid Cooled |                   |                  |
| SPEED               | 1500 RPM      |                   |                  |

FUEL CONSUMPTION

|                               |                                |                                 |                                 |
|-------------------------------|--------------------------------|---------------------------------|---------------------------------|
| 50% Load<br>81.00 litres/hour | 75% Load<br>118.00 litres/hour | 100% Load<br>162.00 litres/hour | 110% Load<br>179.00 litres/hour |
|-------------------------------|--------------------------------|---------------------------------|---------------------------------|

ALTERNATOR TECHNICAL PARAMETERS - STAMFORD S5L1D-H41

|                         |                               |
|-------------------------|-------------------------------|
| RATED POWER AT 400 V    | ESP 825.0 kVA / PRP 750.0 kVA |
| NUMBER OF POLES / LEADS | 4 / 12                        |
| WINDING NUMBER          | 311                           |
| BEARING TYPE            | 1 bearing                     |
| PROTECTION CLASS        | IP23                          |
| INSULATION CLASS        | H                             |
| EXCITATION METHOD       | Brushless                     |
| VOLTAGE REGULATION      | AS440 AVR / 1.0% Regulation%  |
| 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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| DIMENSIONS & WEIGHT |                    |                     |                        |
|---------------------|--------------------|---------------------|------------------------|
| LENGTH (mm)<br>4908 | WIDTH (mm)<br>2164 | HEIGHT (mm)<br>2658 | WEIGHT (kg)<br>7045.85 |

Configuration: UK/EU Canopied / frame 5100E / tank 1120 L

| 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: