1. ENGINE
Perkins four stroke heavy duty high performance industrial type diesel engine.

2. ENGINE FILTRATION SYSTEM
- Two Cartridge type dry air filters.
- Cartridge type fuel filter.
- Three Full flow lube oil filters.
All filters have replaceable elements.

3. TROPICAL COOLING RADIATOR
Radiator and cooling fan, complete with safety guards, designed to cool the engine at high ambient temperatures (consult your dealer for derating factors)

4. EXHAUST SYSTEM
Heavy duty Industrial Exhaust Silencer.

5. CIRCUIT BREAKER TYPE
ABB 3 pole MCCB. (4 pole is optional)

DSE7320 is an Auto Mains (Utility) Failure Control Module. It is operated via the START, STOP, AUTO and MANUAL soft touch membrane buttons on the front panel. DSE7320 can be controlled remotely using either a GSM Modem, Ethernet via DSE860/865 or via RS485.

Protection:
- Fail to start
- Low oil pressure
- High engine temperature
- U/O Voltage shutdown
- U/O Frequency shutdown
- Underspeed, Overspeed
- Loss of engine speed detection
- High/Low battery voltage
- KW overload
- Unbalanced load
- Low fuel alarm (if fitted)
- Battery charger failure (if fitted)

ALTERNATOR DATA

<table>
<thead>
<tr>
<th>Make</th>
<th>Leroy Somer</th>
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<tbody>
<tr>
<td>Model</td>
<td>LSA49.1L11</td>
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<tr>
<td>No. of bearings</td>
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<td>Insulation class</td>
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<tr>
<td>Total Harmonic Content</td>
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<tr>
<td>Wires</td>
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<td>Ingress Protection</td>
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<tr>
<td>Excitation System</td>
<td>AREP</td>
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<tr>
<td>Winding Pitch</td>
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<tr>
<td>AVR Model</td>
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<tr>
<td>Overspeed</td>
<td>2250 mm⁻¹</td>
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<tr>
<td>Voltage Regulation (steady)</td>
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<tr>
<td>Short Circuit Capacity</td>
<td>300% (3 In):10s</td>
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</table>

PMG Excitation System Available as Optional.

CONTROL PANEL

<table>
<thead>
<tr>
<th>Make</th>
<th>Deep Sea</th>
</tr>
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<tbody>
<tr>
<td>Model</td>
<td>DSE7320</td>
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</tbody>
</table>

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- Battery charger failure (if fitted)

Generating Set pictured may include optional accessories.
For further information on all of the standard and optional features accompanying this product please contact your local dealer or visit www.powerandco.net

Location: 04 Spintex Road opposite Melcom Plus Address: P.O. Box CT 10937 Cantonments-Accra. Tel: 0302 812 718 Hotline: 0242383838 / 054100022 Email: info@powerandco.net Web: www.powerandco.net

Power & Co Generators are assembled in facilities certified to ISO 9001

All information in this document is substantially correct at time of printing and may be altered subsequently.

Distributed and Serviced by:

Generating Set pictured may include optional accessories

RATINGS DEFINITION

Prime Power
These ratings are applicable for supplying continuous electrical power (at variable load) in lieu of commercially purchased power. 10% overload power is available for 1 hour in 12 hours continuous operation.

Standby Power
These ratings are applicable for supplying continuous electrical power (at variable load) in the event of a utility power failure. No overload is permitted on these ratings.

STANDARD REFERENCE CONDITIONS

Output ratings are presented at 25°C air inlet temperature, barometric pressure 100 kPa, relative humidity 30%. This generating set is designed to operate at high ambient temperatures (up to 55°C), humidity (up to 99%) and higher altitudes. De-rating may apply, please consult your dealer for specific site ratings.

Some of the specifications are not standard on all Genset models.

AVAILABLE OPTIONS & ACCESSORIES

We offer a range of optional features and accessories to tailor our generating sets to meet your power needs.

OPTIONS
• A variety of generating set control and synchronizing panels
• Additional protection alarms and shutdowns
• Water fuel separator
• Water jacket heater
• Battery charger

ACCESSORIES
• Genuine spare parts
• Load banks
• Auxiliary fuel tanks
• Manual & automatic transfer switches

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