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

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

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

4. EXHAUST SYSTEM
Heavy duty Industrial Exhaust Silencer

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

The DSE6110 is an Auto Start Control Module for single genset applications. It includes a backlit LCD display which clearly shows the status of the engine all the times. This module can either be programmed using the front panel or by using the DSE configuration suite PC software.

Metering and Alarm indications:
- Generator frequency
- Underspeed, Overspeed
- Generator volts (L-L, L-N)
- Generator current
- Engine oil pressure
- Engine coolant temperature
- Fuel level (Warning or shutdown) - Optional
- Hours run counter
- Battery volts
- Fail to start/stop
- Emergency stop
- Failed to reach loading voltage/frequency
- Charge fail
- Loss of magnetic pick-up signal - Optional
- Low DC voltage
- CAN diagnostics and CAN fail/error

(ALTERNATOR DATA)

Make: Leroy Somer
Model: LSA47.2S5
No. of bearings: 1
Insulation class: H
Total Harmonic Content: on load <2%
Wires: 12
Ingress Protection: IP23
Excitation System: SHUNT
Winding Pitch: 2/3 (n° 6)
AVR Model: R250
Overspeed: 2250 mm⁻¹
Voltage Regulation (steady): ± 0.5%
Short Circuit Capacity: -
AREP & PMG Excitation System Available as Optional.

(CONTINUED)

CONTROLLER PANEL

Make: Deep Sea
Model: DSE6110

The DSE6110 is an Auto Start Control Module for single genset applications. It includes a backlit LCD display which clearly shows the status of the engine all the times. This module can either be programmed using the front panel or by using the DSE configuration suite PC software.

Generating Set pictured may include optional accessories

**GENERATING SET MODEL (JP500)**

<table>
<thead>
<tr>
<th>Output Ratings</th>
<th>Prime</th>
<th>Standby</th>
</tr>
</thead>
<tbody>
<tr>
<td>380 V, 3 ph, 60 Hz, 1800 rpm</td>
<td>500 KVA</td>
<td>563 KVA</td>
</tr>
<tr>
<td>400 KW</td>
<td>450.4 KW</td>
<td></td>
</tr>
</tbody>
</table>

Applicable Voltages: 220/127 V at 60 Hz only (Consult your dealer for more details)

<table>
<thead>
<tr>
<th>ENGINE / TECHNICAL DATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine Make</td>
</tr>
<tr>
<td>Engine Model</td>
</tr>
<tr>
<td>Governing Type</td>
</tr>
<tr>
<td>Number of Cylinders</td>
</tr>
<tr>
<td>Cylinder Arrangement</td>
</tr>
<tr>
<td>Bore and Stroke mm</td>
</tr>
<tr>
<td>Displacement / Cubic Capacity litres</td>
</tr>
<tr>
<td>Induction System</td>
</tr>
<tr>
<td>Cycle</td>
</tr>
<tr>
<td>Combustion System</td>
</tr>
<tr>
<td>Compression Ratio</td>
</tr>
<tr>
<td>Rotation</td>
</tr>
<tr>
<td>Cooling System</td>
</tr>
<tr>
<td>Frequency and Engine Speed</td>
</tr>
<tr>
<td>Gross Engine Power kW (hp)</td>
</tr>
<tr>
<td>Fuel Consumption @ 50% load L/hr</td>
</tr>
<tr>
<td>@ 75% load L/hr</td>
</tr>
<tr>
<td>@ 100% load L/hr</td>
</tr>
<tr>
<td>Total Lubrication System Capacity litres</td>
</tr>
<tr>
<td>Total Coolant Capacity litres</td>
</tr>
<tr>
<td>Boost Pressure Ratio</td>
</tr>
<tr>
<td>Exhaust Temperature: °C</td>
</tr>
<tr>
<td>Radiator Cooling Air Flow (Min): m³/sec</td>
</tr>
<tr>
<td>Combustion Air Flow: m³/min</td>
</tr>
<tr>
<td>Exhaust Gas Flow: m³/min</td>
</tr>
<tr>
<td>Fuel Tank Capacity: litres</td>
</tr>
</tbody>
</table>

**DIMENSIONS AND WEIGHT**

<table>
<thead>
<tr>
<th>Length cm</th>
<th>Width cm</th>
<th>Height cm</th>
<th>Weight* kg (wet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>370</td>
<td>115</td>
<td>210</td>
<td>3810</td>
</tr>
</tbody>
</table>

* For skid mounted genset without enclosure

* wet weight = with lube oil and coolant

AN INSPIRED DESIGN TO MEET YOUR NEEDS
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-ration 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

For further information on all of the standard and optional features accompanying this product please contact your local dealer or visit www.JubailiBros.com

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In line with continuous product development, we reserve the right to change specifications without notice.

(Disclaimer: Warranty statement for more details, as it may vary for different countries)