GENERATING SET MODEL (JP30)

STANDARD SPECIFICATIONS

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

2. ENGINE FILTRATION SYSTEM
   • Cartridge type dry air filter.
   • Cartridge type fuel filter.
   • 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 derating factors)

4. EXHAUST SYSTEM
   Heavy duty Industrial Exhaust Silencer

5. CIRCUIT BREAKER TYPE
   ABB 3 pole MCB. (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

Make: Deep Sea
Model: DSE6110

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Generating Set pictured may include optional accessories

ALTERNATOR DATA

Make: Leroy Somer
Model: LSA42.3M7
No. of bearings: 1
Insulation class: H
Total Harmonic Content: at no load <3% - on load <2%
Wires: 12
Ingress Protection: IP23
Excitation System: SHUNT
Winding Pitch: 2/3 (wdg 6)
AVR Model: R220
Overspeed: 2250 nm⁻¹
Voltage Regulation (steady): ± 0.5%
Short Circuit Capacity: -
AREP & PMG Excitation System Available as Optional.

CONTROL PANEL

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(Please refer to DSE6110 brochure for more details)

POWERED BY:

PERKINS

LEROY SOMER

AN INSPIRED DESIGN TO MEET YOUR NEEDS

Generating Set pictured may include optional accessories

GENERATING SET MODEL (JP50-60Hz)

Output Ratings | Prime | Standby | Prime | Standby
---|---|---|---|---
480 V, 3 ph, 60 Hz, 1800 rpm | 51.0 KVA | 56.0 KVA | 40.8 KW | 44.8 KW
380 V, 3 ph, 60 Hz, 1800 rpm | 46.0 KVA | 50.6 KVA | 36.8 KW | 40.5 KW
220 V, 3 ph, 60 Hz, 1800 rpm | 51.0 KVA | 56.0 KVA | 40.8 KW | 44.8 KW

Engine Make: Perkins
Engine Model: 1103A-33TG1
Governin Type: Mechanical
Number of Cylinders: 3
Cylinder Arrangement: Vertical in line
Bore and Stroke (mm): 105 x 127
Displacement: 3.3 litres
Induction System: Turbocharged
Cycle: 4 stroke
Combustion System: Direct Injection
Compression Ratio: 17.25:1
Rotation: Anti-clockwise, viewed from flywheel
Cooling System: Water - cooled
Frequency and Engine Speed: 60Hz & 1800rpm

Gross Engine Power (hp): 50.5 (67.7)
Fuel Consumption @ 50% load (L/hr): 7.1
@ 75% load (L/hr): 9.9
@ 100% load (L/hr): 12.9
Total Lubrication System Capacity (litres): 8.3
Total Coolant Capacity (inc. radiator) (litres): 10.2
Exhaust Temperature: °C
Radiator Cooling Air Flow (Min): m³/Min
Combustion Air Flow: m³/min
Exhaust Gas Flow: m³/min
Fuel Tank Capacity: litres

Output Ratings: 480 V, 3 ph, 60 Hz
Prime: 51.0 KVA
Standby: 56.0 KVA
Rated Voltage: 60 Hz
Power Factor: Applicable Voltages: 208-220/120-127 V at 60 Hz only
Steady Voltage: 220 V, 3 ph, 60 Hz, 1800 rpm
Voltage Regulation: ± 0.5%

APPENDIX 4

(Contd.)
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.

<table>
<thead>
<tr>
<th>OPTIONS</th>
<th>ACCESSORIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>A variety of generating set control and synchronizing panels</td>
<td>Genuine spare parts</td>
</tr>
<tr>
<td>Additional protection alarms and shutdowns</td>
<td>Load banks</td>
</tr>
<tr>
<td>Water fuel separator</td>
<td>Auxiliary fuel tanks</td>
</tr>
<tr>
<td>Water jacket heater</td>
<td>Manual &amp; automatic transfer switches</td>
</tr>
<tr>
<td>Battery charger</td>
<td></td>
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For further information on all of the standard and optional features accompanying this product please contact your local dealer or visit www.JubailiBros.com

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