80 KW / 100 KVA
POWERED by

Triton Power is a world leader in the design, manufacture of stationary, mobile and rental generator sets and Power Modules from 10 to 2000 kW. Through our commitment to quality we manufacture with only the highest quality components from companies like Cummins, John Deere, Perkins, Marathon, and Deep Sea. All of this plus our worldwide warranty, customer service professionals, is why Triton is the THE POWER OF QUALITY

<table>
<thead>
<tr>
<th>Available Voltage</th>
<th>Standby kVA</th>
<th>60</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Prime kVA</td>
<td>54</td>
</tr>
<tr>
<td>Single Phase</td>
<td>Prime kW</td>
<td>54</td>
</tr>
<tr>
<td>110/220, 120/240</td>
<td>Standby kW</td>
<td>60</td>
</tr>
<tr>
<td>Power Factor 1.0</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Standby**: Continuous running at variable load for duration of an emergency. No overload is permitted on these ratings. In accordance with ISO 3046.
**Prime**: Continuous running at variable load for unlimited periods with 10% overload available for 1 hour in any 12 hour period. In accordance with ISO 8528, ISO 3046.

- High quality, reliable and complete power unit
- Compact design
- Easy start and maintenance
- Every generator set is subject to a comprehensive test program which includes full load testing and checking and providing of all control and safety shut down functions testing
- Full engineered with a wide range of options and accessories:
  - Sound Attenuated Enclosure
  - Trailer with fuel tank
  - UL Listed Fuel Tank
  - Permanent Magnet Generator
  - Electronic Governor

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**ENGINE INFORMATION**

<table>
<thead>
<tr>
<th>ENGINE MAKE</th>
<th>PERKINS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>1104D-E44TAG1</td>
</tr>
<tr>
<td>Tier Rating</td>
<td>Tier 3</td>
</tr>
<tr>
<td>Engine Speed</td>
<td>RPM</td>
</tr>
<tr>
<td>Engine Power Output at rated rpm</td>
<td>kWm</td>
</tr>
<tr>
<td>Cooling</td>
<td>Radiator Cooled</td>
</tr>
<tr>
<td>Aspiration</td>
<td>Turbocharged</td>
</tr>
<tr>
<td>Total Displacement</td>
<td>Liter</td>
</tr>
<tr>
<td>No. of Cylinders and Build</td>
<td>4-inline</td>
</tr>
<tr>
<td>Bore and Stroke</td>
<td>mm x mm</td>
</tr>
<tr>
<td>Compression Ratio</td>
<td>16.2:1</td>
</tr>
<tr>
<td>Governor</td>
<td>Electronic</td>
</tr>
<tr>
<td>Fuel Consumption (L/hr)</td>
<td>Full Load</td>
</tr>
<tr>
<td></td>
<td>75% Load</td>
</tr>
<tr>
<td></td>
<td>50% Load</td>
</tr>
<tr>
<td>Fuel Tank Capacity (Non-UL)</td>
<td>Liter</td>
</tr>
<tr>
<td>Oil Capacity</td>
<td>Liter</td>
</tr>
<tr>
<td>Coolant Capacity</td>
<td>Liter</td>
</tr>
<tr>
<td>Radiator Cooling Air</td>
<td>m³/min</td>
</tr>
</tbody>
</table>

The 1104D-E44TAG ElectropaKs are the latest addition to Perkins 1100 Series Electric Power line-up. Offering improved power density from a compact package, these ElectropaK’s build on Perkins 1100 Series reputation within the Power Generation Industry. These ultra clean engines are assembled on a new high technology production line. Frequent computerized checks during the production process ensure high build quality is maintained throughout. Hitting the key power nodes required by the market, the 1104D ElectropaK product line-up consists of three models offering a power solution for both Prime and Standby applications, in 60 Hz territories.

**Cost Effective Power**
- Compact size and low noise.
- Lower fuel consumption and oil use.
- 500 hour service intervals.
- 1 year warranty.

**Product Support**
- Total worldwide service is provided through a network of 4,000 distributors and dealers.
- TIPSS - The Integrated Parts and Support System enables customers to specify and order parts electronically as well as service engines with on-line guides and service tools.
# CONTROLLER INFORMATION
## DEEP SEA MODEL 7420

The DSE7420 is a control module for single gen-set applications. The module incorporates a number of advanced features to meet the most demanding on-site applications. The DSE7420 is an Automatic Start Control Module designed to start and stop diesel and gas generating sets that include electronic and non-electronic engines. The module includes USB, RS232 and RS485 ports as well as dedicated DSENet® terminals for expansion device connectivity. The modules are simple to operate and feature a simple menu layout for improved clarity. Enhanced features include a real time clock for enhanced event and performance monitoring, Ethernet communications for low cost monitoring, dual mutual standby to reduce engine wear and tear, and preventative maintenance features to detect engine part faults prior to a major problem occurring.

<table>
<thead>
<tr>
<th>MAIN FEATURES:</th>
<th>NEW FEATURES</th>
<th>STANDARD FEATURES</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image.png" alt="Image" /></td>
<td>• Neutral position on breakers</td>
<td>• Backed up real time clock</td>
</tr>
<tr>
<td></td>
<td>• Mains current protection</td>
<td>• True dual mutual standby with load balancing timer</td>
</tr>
<tr>
<td></td>
<td>• Improved mains detection 3phase 3 wire</td>
<td>• Ethernet communications</td>
</tr>
<tr>
<td></td>
<td>• Additional programmable logic</td>
<td>• Multiple date and time maintenance scheduler</td>
</tr>
<tr>
<td></td>
<td>• Improved modem diagnostics</td>
<td>• 132 x 64 pixel LCD display</td>
</tr>
<tr>
<td></td>
<td>• Remote control sources (10) can be accessed via SCADA</td>
<td>• Configurable display languages</td>
</tr>
<tr>
<td></td>
<td>• Additional electrical trip options</td>
<td>• Programmable event logging (250), showing reason, date and time</td>
</tr>
<tr>
<td></td>
<td>• Additional start delay functions</td>
<td>• Robust module enclosure</td>
</tr>
<tr>
<td></td>
<td>• Oil pressure values from additional engines</td>
<td>• Five key menu navigation</td>
</tr>
<tr>
<td></td>
<td>• Front panel editing of scheduler</td>
<td>• Durable soft touch membrane buttons</td>
</tr>
<tr>
<td></td>
<td>• Now displays kW as % of rated kW setting</td>
<td>• Fully configurable via PC software</td>
</tr>
</tbody>
</table>

| BENEFITS | | |
|----------|------------------|
| • 132 x 64 pixel ratio makes information easy to read | • LED and LCD alarm indication |
| • Real time clock provides accurate event logging | • Engine exercise mode |
| • PC software is license free | • Configurable start & fuel outputs |
| • Set maintenance periods can be configured to maintain optimum engine performance | • kWh monitoring |
| • Ethernet communications provides advanced remote monitoring at low cost | • Automatic load transfer |
| • Modules can be integrated into building management systems | • (11) Configurable inputs |
| • Preventative maintenance avoids expensive engine down time | • (8) Configurable outputs |
| | • Advanced PCB layout ensures high reliability |

<table>
<thead>
<tr>
<th>OPERATION</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>The module is operated using the front STOP/RESET, MANUAL, AUTO, TEST and START pushbuttons. An additional pushbutton next to the LCD display is used to scroll through the modules metering displays.</td>
<td></td>
</tr>
</tbody>
</table>
## ALTERNATOR INFORMATION

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Stamford / Leroy Somer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design</td>
<td>Brushless single bearing, revolving field</td>
</tr>
<tr>
<td>Stator</td>
<td>2/3 pitch</td>
</tr>
<tr>
<td>Rotor</td>
<td>Single bearing, flexible disc</td>
</tr>
<tr>
<td>Insulation System</td>
<td>Class H</td>
</tr>
<tr>
<td>Standard Temperature Rise</td>
<td>125 -163°C Continuous</td>
</tr>
<tr>
<td>Exciter Type</td>
<td>Self Excited</td>
</tr>
<tr>
<td>Phase Rotation</td>
<td>A (U), B (V), C (W)</td>
</tr>
<tr>
<td>Alternator Cooling</td>
<td>Direct drive centrifugal blower fan</td>
</tr>
<tr>
<td>AC Waveform Total Harmonic Distortion</td>
<td>No load &lt; 1.5%. Non distorting balanced linear load &lt; 5%</td>
</tr>
<tr>
<td>Telephone Influence Factor (TIF)</td>
<td>&lt;50 per NEMA MG1-22.43</td>
</tr>
<tr>
<td>Telephone Harmonic Factor (THF)</td>
<td>&lt;2%</td>
</tr>
</tbody>
</table>

## STANDARD ITEMS

- Mainline Circuit Breaker
- Generator Set mounted on Heavy Duty Steel Base Frame
- Anti-Vibration Pads between Engine/Alternator and Frame
- 8 to 10 Hour Base Fuel Tank (up to 600 kW)
- Forklift Pockets within Base Frame (up to 400 kW)
- Battery Charging Alternator

## OPTIONAL ITEMS

**ENGINE OPTIONS**
- Engine Block Heater
- Racor Fuel Water Separator
- Oil Heater

**ALTERNATOR OPTIONS**
- Permanent Magnet Generator
- Anti-Condensation Heater
- Oversized Alternator (Motor Starting)

**OTHER OPTIONS**
- Sound Attenuated Enclosure with Critical Silencer (70 db at 7 meters)
- Trailer (with or without fuel tank)
- UL-142 Base Mounted Fuel Tank
- Residential or Critical Grade Silencer

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### WEIGHT AND DIMENSIONS

#### SKID MOUNTED GENERATOR

<table>
<thead>
<tr>
<th>DIMENSIONS (LxWxH)</th>
<th>mm</th>
<th>2164 x 803 x 1367</th>
</tr>
</thead>
<tbody>
<tr>
<td>DRY WEIGHT</td>
<td>kg</td>
<td>1079</td>
</tr>
</tbody>
</table>

#### SOUND ATTENUATED GENERATOR

<table>
<thead>
<tr>
<th>DIMENSIONS (LxWxH)</th>
<th>mm</th>
<th>2888 x 1132 x 1680</th>
</tr>
</thead>
<tbody>
<tr>
<td>DRY WEIGHT</td>
<td>kg</td>
<td>1852</td>
</tr>
</tbody>
</table>

**FEATURES AND BENEFITS OF ENCLOSURE:**

- All enclosure parts are modular
- No welding to reduce corrosion
- Doors on both sides for easy maintenance
- All metal parts are powder coated
- Critical Exhaust Silencer Included
- Thermally insulated exhaust system
- Emergency stop located on exterior
- Easy Lifting and Moving

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www.gopower.com
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