**MOTIVE J305G-AC**

**MODEL** J305G-AC with Bayonet Cap  
**VOLTAGE** 6  
**MATERIAL** Polypropylene  
**DIMENSIONS** Inches (mm)  
**BATTERY** Deep-Cycle Flooded/Wet Lead-Acid Battery  
**COLOR** Maroon  
**WATERING** HydroLink™ Watering System

---

### PHYSICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>BCI</th>
<th>MODEL NAME</th>
<th>VOLTAGE</th>
<th>CELL(S)</th>
<th>TERMINAL TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>902</td>
<td>J305G-AC</td>
<td>6</td>
<td>3</td>
<td>4</td>
</tr>
</tbody>
</table>

**DIMENSIONS**  
- LENGTH: 12.35 (314)  
- WIDTH: 6.85 (174)  
- HEIGHT: 14.41 (366)  
**WEIGHT**: 88 (40) lbs. (kg)

---

### ELECTRICAL SPECIFICATIONS

**CRANKING PERFORMANCE**  
- C.C.A. @ 0°F (-18°C)  
- C.A. @ 32°F (0°C)

<table>
<thead>
<tr>
<th>CHARGING PERFORMANCE</th>
<th>CAPACITY A MINUTES</th>
<th>CAPACITY B AMP-HOURS (Ah)</th>
<th>ENERGY (KWh)</th>
<th>INTERNAL RESISTANCE (mΩ)</th>
<th>SHORT CIRCUIT CURRENT (amps)</th>
</tr>
</thead>
<tbody>
<tr>
<td>@ 25 Amps</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>@ 75 Amps</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>678</td>
<td>175</td>
<td>258</td>
<td>290</td>
<td>315</td>
</tr>
</tbody>
</table>

**CHARGING INSTRUCTIONS**  
- Bulk Charge  
- Float Charge  
- Equalize Charge

---

### CHARGING TEMPERATURE

**ADD**  
- 0.005 volt per cell for every 1°C below 25°C  
- 0.0028 volt per cell for every 1°F below 77°F

**SUBTRACT**  
- 0.005 volt per cell for every 1°C above 25°C  
- 0.0028 volt per cell for every 1°F above 77°F

---

### OPERATIONAL DATA

**OPERATING TEMPERATURE**  
- -4°F to 113°F (-20°C to +45°C)  
- Maintain a state of charge greater than 60% at temperatures below 32°F (0°C)

**SELF DISCHARGE**  
- 5 – 15% per month depending on storage temperature conditions

---

### STATE OF CHARGE

**MEASURE OF OPEN-CIRCUIT VOLTAGE**

<table>
<thead>
<tr>
<th>PERCENTAGE CHARGE</th>
<th>SPECIFIC GRAVITY</th>
<th>CELL</th>
<th>6 VOLT</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>1.277</td>
<td>2.122</td>
<td>6.37</td>
</tr>
<tr>
<td>90</td>
<td>1.258</td>
<td>2.103</td>
<td>6.31</td>
</tr>
<tr>
<td>80</td>
<td>1.238</td>
<td>2.083</td>
<td>6.25</td>
</tr>
<tr>
<td>70</td>
<td>1.217</td>
<td>2.062</td>
<td>6.19</td>
</tr>
<tr>
<td>60</td>
<td>1.195</td>
<td>2.040</td>
<td>6.12</td>
</tr>
<tr>
<td>50</td>
<td>1.172</td>
<td>2.017</td>
<td>6.05</td>
</tr>
<tr>
<td>40</td>
<td>1.148</td>
<td>1.993</td>
<td>5.98</td>
</tr>
<tr>
<td>30</td>
<td>1.124</td>
<td>1.969</td>
<td>5.91</td>
</tr>
<tr>
<td>20</td>
<td>1.098</td>
<td>1.943</td>
<td>5.83</td>
</tr>
<tr>
<td>10</td>
<td>1.073</td>
<td>1.918</td>
<td>5.75</td>
</tr>
</tbody>
</table>

---

**99% RECYCLABLE**

---

**6V Flooded**

---

**DATA SHEET**

---

**TROJAN BATTERY COMPANY**

---

**MADE IN THE USA**

---

**WITH T2 TECHNOLOGY**
**TROJAN J305G-AC PERFORMANCE**

A. The number of minutes a battery can deliver when discharged at a constant rate at 80°F (27°C) and maintain a voltage above 1.75 V/cell. Capacities are based on peak performance.

B. The amount of amp-hours (Ah) a battery can deliver when discharged at a constant rate at 80°F (27°C) and maintain a voltage above 1.75 V/cell. Capacities are based on peak performance.

C. Dimensions may vary depending on type of handle or terminal. Batteries should be mounted with 0.5 inches (12.7 mm) spacing minimum.

D. C.C.A. (Cold Cranking Amps) - the discharge load in amperes which a new, fully charged battery can maintain for 30 seconds at 0°F (-18°C) at a voltage above 1.2 V/cell.

E. C.A. (Cranking Amps) - the discharge load in amperes which a new, fully charged battery can maintain for 30 seconds at 32°F (0°C) at a voltage above 1.2 V/cell. This is sometimes referred to as marine cranking amps @ 32°F or M.C.A. @ 32°F.

F. Height taken from bottom of the battery to the highest point on the battery. Heights may vary depending on type of terminal.

G. Terminal images are representative only.

H. Weight may vary.

**PERCENT CAPACITY VS. TEMPERATURE**

**BATTERY DIMENSIONS** (shown with EUTR)

- Terminal Height Inches (mm): 1.10 (28)
- Torque Values in-lb (Nm): 95 – 105 (11 – 12)
- Bolt: 5/16"

**TERMINAL CONFIGURATIONS**

- Designed in compliance with applicable BCI, DIN, BS and IEC standards.
- Tested in compliance to BCI and IEC standards.

**4** EUTR | EMBEDDED UNIVERSAL TERMINAL REVERSE

<table>
<thead>
<tr>
<th>Terminal Height Inches (mm)</th>
<th>1.10 (28)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Torque Values in-lb (Nm)</td>
<td>95 – 105 (11 – 12)</td>
</tr>
<tr>
<td>Bolt</td>
<td>5/16&quot;</td>
</tr>
</tbody>
</table>

© 2019 Trojan Battery Company, LLC. All rights reserved. Trojan Battery Company is not liable for damages that may result from any information provided in or omitted from this publication, under any circumstances. Trojan Battery Company reserves the right to make adjustments to this publication at any time, without notice or obligation.