**MODEL:** 8D-AGM  
**VOLTAGE:** 12  
**DIMENSIONS:** Inches (mm)  
**BATTERY:** VRLA AGM  
**COLOR:** Black (case/cover)  
**MATERIAL:** ABS  
**WATERING SYSTEM:** N/A

### PRODUCT SPECIFICATIONS

<table>
<thead>
<tr>
<th>BCI GROUP</th>
<th>SIZE</th>
<th>TYPE</th>
<th>CRANKING PERFORMANCE</th>
<th>CAPACITY A Amp-Hours (AH)</th>
<th>ENERGY (kWh)</th>
<th>TERMINAL Type</th>
<th>DIMENSIONS C Inches (mm)</th>
<th>WEIGHT lbs. (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8D</td>
<td>8D-AGM</td>
<td>460</td>
<td>1450</td>
<td>1850</td>
<td>179</td>
<td>210</td>
<td>230</td>
<td>254</td>
</tr>
</tbody>
</table>

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) for the 20-Hour rate and 86°F (30°C) for the 5-Hour rate and maintain a voltage above 1.75 V/cell. Capacities are based on peak performance.

C. Dimensions are based on nominal size. Dimensions may vary depending on type of handle or terminal.

D. Batteries to be mounted with .5 inches (12.7 mm) spacing minimum.

E. C.A. (Cranking Amps) - the discharge load in amperes which a new, fully charged battery can maintain for 30 seconds at 0°F 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. Dimensions 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.

Trojan’s battery testing procedures adhere to both BCI and IEC test standards.

### CHARGING INSTRUCTIONS

**CHARGER VOLTAGE SETTINGS (AT 77°F/25°C)**

<table>
<thead>
<tr>
<th>System Voltage</th>
<th>12V</th>
<th>24V</th>
<th>36V</th>
<th>48V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Daily Charge</td>
<td>14.1 – 14.7</td>
<td>28.2 – 29.4</td>
<td>42.3 – 44.1</td>
<td>56.4 – 58.8</td>
</tr>
<tr>
<td>Float</td>
<td>13.5</td>
<td>27</td>
<td>40.5</td>
<td>54</td>
</tr>
</tbody>
</table>

Do not install or charge batteries in a sealed or non-ventilated compartment. Constant under or overcharging will damage the battery and shorten its life as with any battery.

### OPERATIONAL DATA

- **Operating Temperature**: -4°F to 131°F (-20°C to +55°C). At temperatures below 32°F (0°C) maintain a state of charge greater than 60%.

- **Self Discharge**: Less than 3% per month depending on storage temperature conditions.

**CHARGING TEMPERATURE COMPENSATION**

0.028 VPC for every 10°F (5.55°C) above or below 77°F (25°C)

Add 0.028 VPC for every 10°F (5.55°C) below 77°F and subtract 0.028 VPC for every 10°C above 77°F.
TROJAN 8D-AGM PERFORMANCE

PERCENT CAPACITY VS. TEMPERATURE

Estimation Purposes Only

Trojan batteries are available worldwide through Trojan’s Master Distributor Network. We offer outstanding technical support, provided by full-time application engineers.

For a Trojan Master Distributor near you, call 800.423.6569 or +1.562.236.3000 or visit www.trojanbattery.com

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Trojan’s battery testing procedures adhere to BCI-05 (Rev Oct 09) and IEC 61427 test standards.