

MODEL **J185E-AC with Bayonet Cap**
 VOLTAGE **12**
 MATERIAL **Polypropylene**
 DIMENSIONS **Inches (mm)**
 BATTERY **Deep-Cycle Flooded/Wet Lead-Acid Battery**
 COLOR **Maroon**
 WATERING **HydroLink™ Watering System**



12V

PRODUCT + PHYSICAL SPECIFICATIONS

| BCI Group Size | Type | Voltage | Cell(s) | Terminal Type ⁶ | Dimensions ⁵ Inches (mm) | | | Weight Lbs. (kg) |
|----------------|----------|---------|---------|----------------------------|-------------------------------------|------------|---------------------|------------------|
| | | | | | Length | Width | Height ^F | |
| 921 | J185E-AC | 12 | 6 | 7, 9 | 15.41 (391) | 6.90 (175) | 15.20 (386) | 102 (46) |

ELECTRICAL SPECIFICATIONS

| Cranking Performance | | Capacity ^A Minutes | | Capacity ^B Amp-Hours (AH) | | | | Energy (kWh) | Internal Resistance (mΩ) | Short Circuit Current (amps) |
|-----------------------------------|--------------------------------|-------------------------------|-----------|--------------------------------------|-------|-------|--------|--------------|--------------------------|------------------------------|
| C.C.A. ^D @ 0°F (-18°C) | C.A. ^E @ 32°F (0°C) | @ 25 Amps | @ 75 Amps | 5-Hr | 10-Hr | 20-Hr | 100-Hr | 100-Hr | — | — |
| — | — | 312 | 82 | 144 | 160 | 175 | 194 | 2.33 | | |

CHARGING INSTRUCTIONS

| Charger Voltage Settings (at 77°F/25°C) | | | | |
|---|-------|-------|-------|-------|
| System Voltage | 12V | 24V | 36V | 48V |
| Bulk Charge | 14.82 | 29.64 | 44.46 | 59.28 |
| Float Charge | 13.50 | 27.00 | 40.50 | 54.00 |
| Equalize Charge | 16.20 | 32.40 | 48.60 | 64.80 |

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.

CHARGING TEMPERATURE COMPENSATION

| Add | Subtract |
|---|---|
| 0.005 volt per cell for every 1°C below 25°C 0.0028 volt per cell for every 1°F below 77°F | 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 | Self Discharge |
|---|--|
| -4°F to 113°F (-20°C to +45°C). At temperatures below 32°F (0°C) maintain a state of charge greater than 60%. | 5 – 15% per month depending on storage temperature conditions. |

STATE OF CHARGE MEASURE OF OPEN-CIRCUIT VOLTAGE

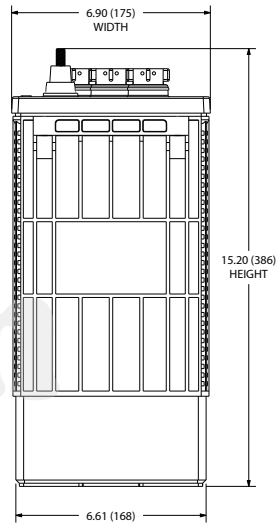
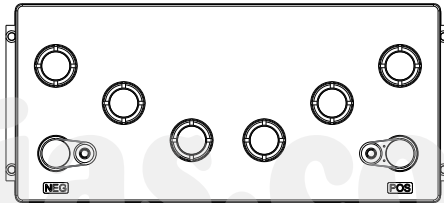
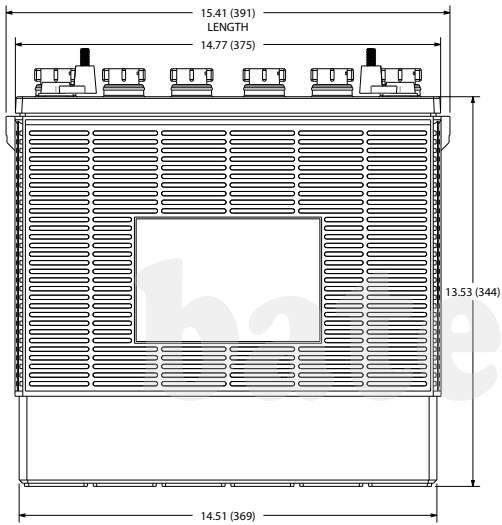
| Percentage Charge | Specific Gravity | Cell | 12 Volt |
|-------------------|------------------|-------|---------|
| 100 | 1.277 | 2.122 | 12.73 |
| 90 | 1.258 | 2.103 | 12.62 |
| 80 | 1.238 | 2.083 | 12.50 |
| 70 | 1.217 | 2.062 | 12.37 |
| 60 | 1.195 | 2.040 | 12.24 |
| 50 | 1.172 | 2.017 | 12.10 |
| 40 | 1.148 | 1.993 | 11.96 |
| 30 | 1.124 | 1.969 | 11.81 |
| 20 | 1.098 | 1.943 | 11.66 |
| 10 | 1.073 | 1.918 | 11.51 |

TERMINAL CONFIGURATIONS⁶

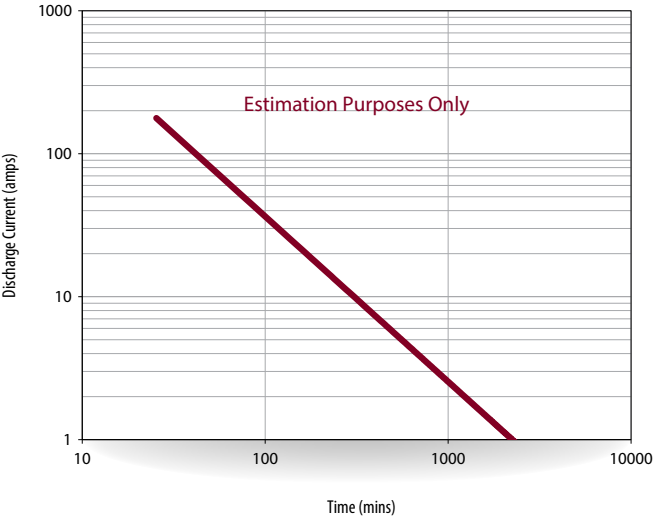
| 7 | UT | Universal Terminal |
|---|----|--------------------|
|  | | |
| Terminal Height Inches (mm) 1.10 (28) | | |
| Torque Values in-lb (Nm) 95 – 105 (11 – 12) | | |
| Bolt 5/16" | | |

| 9 | WNT | Wingnut Terminal |
|--|-----|------------------|
|  | | |
| Terminal Height Inches (mm) 1.50 (38) | | |
| Torque Values in-lb (Nm) 95 – 105 (11 – 12) | | |
| Bolt 5/16" | | |

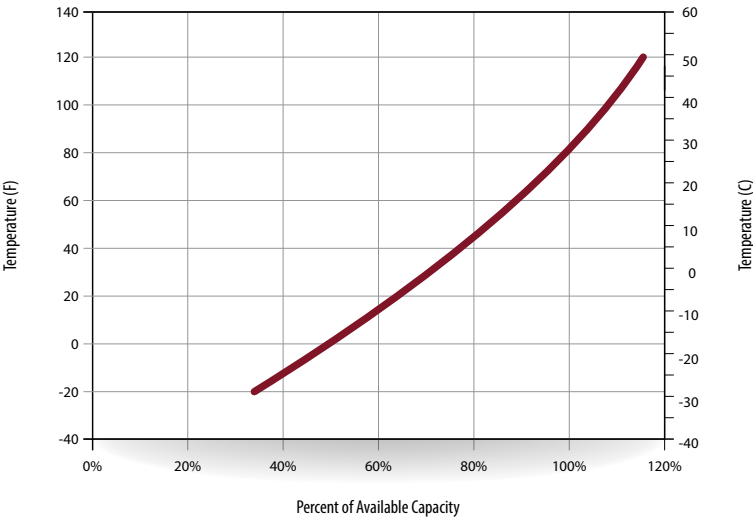
BATTERY DIMENSIONS (shown with WNT)



TROJAN J185E-AC PERFORMANCE



PERCENT CAPACITY VS. TEMPERATURE



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.



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