



M³-44-7

P/N 32824-001



TECHNICAL DESCRIPTION

The model M³-44-7 (P/N 32824-001) is a 19-cell Micro-Maintenance battery, with a nominal voltage of 24V, and a nominal capacity of 44Ah, at a weight of only 82 lbs. (max). The M³-44-7 will provide an Imp (15-second discharge @ maximum power transfer) of 1335 amps at room temperature.

STANDARD WARRANTY: 2 years

APPLICATION

The M³-44-7 is designed as a low-maintenance replacement for our 40Ah KSP-400/KSP-400L batteries, offering both a higher capacity and lower maintenance costs.

The M³-44-7 is currently PMA'd for the following Beech (Raytheon) applications via PMA406SW, Supplement No. 16, dated 3Sep99:

Beech 200, 200C, 200CT, 200T, A200, B200, B200C, B200CT, B200T, 300 B300, B300C, 300LW, 1900, 1900C, 1900D, 65-90, 65A90, B90, C90, C90A, E90, H90, 99, 99A, A99, A99A, B99, C99, 100, A100, A100A, A100C, B100.

The M³-44-7 provides significant maintenance-cost savings for Beechcraft (Raytheon) applications.

PHYSICAL SPECIFICATIONS

Length: 10.5" max
Width: 9.75" max
Height: 10.25" max
Weight: 81 lbs. (80 lbs. typical)
Connector: MS3509

ELECTRICAL SPECIFICATIONS

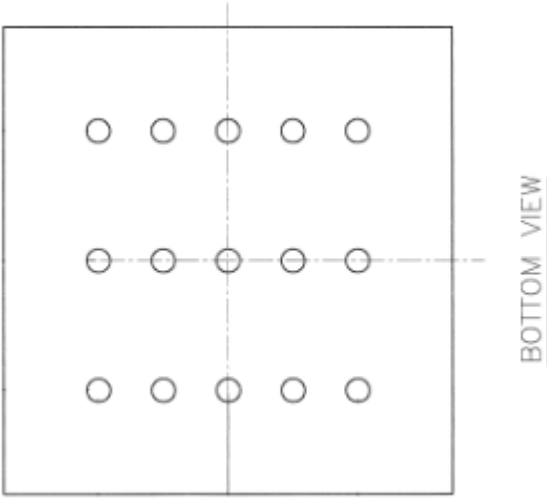
Voltage: 24.0 volts (nominal)
Capacity: 44Ah minimum (at C-rate)
Imp : 1335A @ 15 seconds
(Discharge current at maximum power transfer)

The Marathon Micro-Maintenance M³ battery is a greatly improved nickel-cadmium (Ni-Cd) battery that features:

- Significantly Increased Maintenance Intervals
- Very Low Water Consumption
- Excellent Capacity Retention During Extended Cycling
- Same Physical Size As Standard Ni-Cd
- Lower Weight Than Standard Ni-Cd For A Given Capacity
- Same Or Better Power Than The Standard Ni-Cd

The battery incorporates a state-of-the-art negative pasted electrode that provides high volumetric and gravimetric energy density. This, along with the standard sintered positive electrode, provides a high capacity battery with excellent power. Other characteristics of the battery include our standard, internally threaded butt terminals, long life separators, nylon cell cases and covers. The design of the battery increases the electrolyte reserve to more than two times the standard Ni-Cd battery.

The M³ battery was designed to increase the battery maintenance interval. This design has reduced electrolyte consumption, coupled with an increased electrolyte reserve, results in a increased maintenance interval of two to six times.



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