



# ***Flight-Resource, LLC***

**World's Largest Volume MT Propeller Distributor**

## **Cessna 185**

### **MT Propeller Performance Test Results**

**For STC # SA02294CH**

**Propellers Tested:**

**MT MTV-15-D/210-58 2 blade composite propeller**

**MT MTV-9-D/210-58 3 blade composite propeller**

**McCauley D3A3C401 86" 3 blade aluminum propeller**

*(The Hartzell Top Prop in 82" was also tested and found similar to the McCauley in weight and performance)*

**Weight:**

**MT 2-blade w/spinner 45 pounds (38 lbs lighter)**

**MT 3-blade w/spinner 57 pounds (25 lbs lighter)**

**McCauley 3-blade w/spinner 82 pounds**

**Static Thrust**

**MT 2-blade 1155 pounds (15 lbs more thrust)**

**MT 3-blade 1180 pounds (40 lbs more thrust)**

**McCauley 3-blade 1140 pounds**

**Take-off distance over 50' obstacle**

**MT 2-blade 1332 feet ( 77 ft shorter T/O dist)**

**MT 3-blade 1267 feet (142 ft shorter T/O dist)**

**McCauley 3-blade 1409 feet**

**Climb performance sea level 80F**

**MT 2-blade 1097 fpm (77 fpm faster climb)**

**MT 3-blade 1136 fpm (116 fpm faster climb)**

**McCauley 3-blade 1020 fpm**

**Cruise performance 8000 feet 22"mp & 2500 rpm**

**MT 2-blade 148 knots TAS (7 kts faster cruise)**

**MT 3-blade 143 knots TAS (2 kts faster cruise)**

**McCauley 3-blade 141 knots TAS**

*AND...No RPM restrictions with either of the MT Propeller systems!*

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