



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

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

## **ACA Scout Performance Specs with the various 2-blade & 3-blade propellers and O-360 engine.**

### **Take-off Distance at gross weight, 1000' MSL, 55 degrees F.**

|                       |                                       |
|-----------------------|---------------------------------------|
| Original Hartzell 76" | 447 feet                              |
| MT 2 Blade 83"        | 342 feet [105' shorter than Hartzell] |
| MT 3 Blade 78"        | 330 feet [117' shorter than Hartzell] |

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

|                       |                                       |
|-----------------------|---------------------------------------|
| Original Hartzell 76" | 701 feet                              |
| MT 2 Blade 83"        | 510 feet [191' shorter than Hartzell] |
| MT 3 Blade 78"        | 483 feet [218' shorter than Hartzell] |

### **Aircraft Rate of Climb 1000' MSL at gross weight and 55F**

|                       |          |
|-----------------------|----------|
| Original Hartzell 76" | 998 FPM  |
| MT 2 Blade 83"        | 1201 FPM |
| MT 3 Blade 78"        | 1285 FPM |

### **Propeller Weights w/spinner**

|                       |                  |
|-----------------------|------------------|
| MT 2 Blade 83"        | <b>45</b> pounds |
| MT 3-Blade 78"        | <b>54</b> pounds |
| Original Hartzell 76" | <b>64</b> pounds |

### **Propeller Static Thrust@ 1000msl & 55F**

|                       |            |
|-----------------------|------------|
| Original Hartzell 76" | 675 pounds |
| MT 2 Blade 83"        | 790 pounds |
| MT 3 Blade 78"        | 810 pounds |

### **RPM Restriction or Reduction**

|                   |     |
|-------------------|-----|
| Original Hartzell | YES |
| MT 2 or 3-Blade   | NO  |

### **Blade Life Limit**

|                   |     |
|-------------------|-----|
| Original Hartzell | YES |
| MT 2 or 3-Blade   | NO  |

### **Blade Water Erosion Protection**

|                   |     |
|-------------------|-----|
| Original Hartzell | NO  |
| MT 2 or 3-Blade   | YES |

#### **Sales & Administration:**

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#### **Contact:**

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