

Cessna 170, 172 & 175

MT Propeller Performance Test Results

Flight Resource, LLC for STC # SA02245CH

Engine: Lycoming O-360-A1A, 180HP @ 2700 rpm

Ambient conditions: 1000 MSL and 75F aircraft at #2550 lbs

Propellers Tested:

MT MTV-15-B/210-58. 83" 2-blade composite prop. (Constant speed)
MT MTV-15-B/205-58. 80" 2-blade composite prop. (Constant speed)
McCauley 1A200DFA 82/42. 82" 2-blade aluminum prop. (Fixed pitch)
Hartzell HC-C2YK-1A 74" 2-blade aluminum prop. (Constant Speed)
Hartzell HC-C2YK-1BF 80" 2-blade aluminum prop. (Constant Speed)

Weight:

MT 2-blade w/spinner	46 pounds
McCauley 2-blade w/spinner	48 pounds
Hartzell 2 blade w/spinner 74"	60 pounds
Hartzell 2 blade w/spinner 80"	71 pounds

Static Thrust (2700 rpm):

MT 2-blade 210 cm	806 pounds
MT 2-blade 205 cm	790 pounds
McCauley 2-blade (2450 RPM)	750 pounds
Hartzell 2 blade 74" long	625 pounds
Hartzell 2 blade 80" long	737 pounds

Cruise performance ** (6000' MSL, full throttle & 2400 rpm)

MT 2-blade	100 Kts TAS
McCauley 2-blade	95 Kts TAS

** on Amphibian Bauman floats