



mt-propeller

Flight-Resource, LLC

World's Largest Volume MT Propeller Distributor

Cessna 185F

MT Propeller Performance Test Results

TCM IO-520D

December 2012

Propellers Tested:

MT MTV-15-D/210-58 83" 2 blade composite propeller

MT MTV-9-D/210-58 83" 3 blade composite propeller

McCauley D3A3C401 86" 3 blade aluminum propeller

Hartzell blended airfoil 82" 3 blade aluminum propeller

Weight:

MT 2-blade w/spinner 45 pounds

MT 3-blade w/spinner 56 pounds

McCauley 3-blade w/spinner 78 pounds

Hartzell 3-blade w/spinner 82 pounds

Static Thrust

MT 2-blade 1155 pounds @2700 rpm

MT 3-blade 1190 pounds @2700rpm

McCauley 3-blade 1110 pounds @2600rpm 1090@2700

Hartzell 3-blade 1055 pounds@2700 rpm

Take-off distance over 50' obstacle

MT 2-blade 1352 feet

MT 3-blade 1297 feet

McCauley 3-blade 1389 feet

Hartzell 3-blade 1425 feet

Climb performance sea level 80F

MT 2-blade 1097 fpm

MT 3-blade 1136 fpm

McCauley3-blade 1080 fpm

Hartzell 3-blade 950 fpm

Cruise performance 8000 feet 22"mp & 2400 rpm

MT 2-blade 150 knots TAS

MT 3-blade 146 knots TAS)

Hartzell 144 knots TAS

McCauley 143 knots TAS

AND...No motor mount change required with either MT!

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