

## AIRCRAFT CHECKOUT & REVIEW

Aircraft Make & Model: Cessna 172M / N5283R

Engine Manufacturer: Lycoming Engine Model: 0320-E2D Max HP: 150

Aircraft Speeds: (MPH)

Stalling Speed (dirty)  $V_{so}$  49

Stalling Speed (clean)  $V_{s1}$  57

Takeoff/Rotate Speed  $V_r$  60

Best Angle of Climb Speed  $V_x$  68

Best Rate of Climb Speed  $V_y$  91

Designed Maneuvering Speed  $V_a$  112

Max Flaps Extended Speed  $V_{FE}$  100

Best Glide Speed  $V_g$  80

Never Exceed Speed  $V_{ne}$  182

Total Fuel Capacity 42 Gallons Usable Fuel 38 gallons Correct Fuel Grade/Color 100LL/Blue

Aircraft Empty Weight 1425.05 Useful Load 874.95 Max Gross Takeoff Weight 2300

Maximum weight of passengers and baggage w/full fuel and oil 646.95

Airspeed & configuration for:

Normal Landing 75 to 85 / Flaps 40 Short Field 70 / Flaps 40

Maximum crosswind component: 15 knots

Electrical System 14 volts DC

Alternator Output in Amps: 60

Aircraft Limitations: Avoid slips with flaps extended