



Cessna 172-Airspeeds & Performance

Stall Speed	Flaps Up, Power Off – 47 kts Flaps Down, Power Off – 41 kts
Normal Takeoff	70 kts
Best Rate	Model N: 68-73 kts Model M: 68-78
Best Angle	Model N: 59-61 kts Model M: 62-64
Enroute Normal	75-85 kts
Balked Approach (Overshoot)	Retract to 20° flaps and 55 kts
Normal Approach & Landing (Flaps 0°)	60-70 kts
Normal Approach & Landing (Flaps 40°)	55-65 kts
Precautionary Landing	60 kts and 20° Flaps
Steep Turns	Max Entry Speed – 95 kts
Best Glide Speed (no flaps)	65 kts
Never Exceed Speed	160 kts
Maximum Structural Cruising Speed	128 kts
Maximum Flap Extension Speed	85 kts
Maneuvering Speed	97 kts (at 2300 lbs gross weight) 89 kts (at 1950 lbs gross weight) 80 kts (at 1600 lbs gross weight)
Caution Range	128-160 kts (yellow arc)
Normal Operating Range	47-128 kts (green arc)
Flap Operation Range	41-85 kts (white arc)
Max Demonstrated Crosswind	15 kts
Mag Check	Max drop of 125 rpm at 1700 rpm 50 rpm max differential between magnetos
Suction Gauge	4.6 to 5.4 inches of mercury at 1700 rpm
Fuel	Standard: 40 gallons useable (43 gallons total) Long Range: 50 gallons useable (53 gallons total) Model M: 38 gallons useable (42 gallons total)
Stall	Alarm sounds 5-10 kts before the stall Aircraft certified in the utility category when under 2000 lbs
Weight & Balance	and CofG within utility envelope Max gross Weight: 2300lbs
Fuel	100LL
Oil	20W50 (year-round)
Tire Pressure	Nose wheel – 31 psi, Mains – 29 psi