



## Cessna 172N

YQR / GTM

### Airspeeds & Performance

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Stall Speed	Flaps Up, Power Off – 47 kts Flaps Down, Power Off – 41 kts
Normal Takeoff	70 kts
Best Rate	68-73 kts
Best Angle	59-61 kts
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 (glide, dive, or smooth air)	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)
Maximum 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	- 2 standard wing tanks, 21.5 gallons each - 40 gallons useable (43 gallons total)
Stall	- alarm sounds 5-10 mph before the stall - aircraft certified in the utility category when under 2000 lbs and CofG within utility envelope
Fuel	100LL
Oils	20W50 (year-round)
Tire Pressure	Nose wheel – 31 psi, Mains – 29 psi
Nose Gear Shock Strut	- Keep filled with hydraulic fluid - Inflated with air to 45 psi

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