



Cessna 172 Specs

Weights

Aircraft #	Empty Weight	Empty Moment	Max Gross Weight	Useful Load
N739ZU	1,478 lbs	57,359	2,300 lbs	822 lbs
N737PW	1,530 lbs	59,396.5	2,400 lbs	870 lbs

Powerplant

Engine:

Lycoming O-320, 160 BHP @ 2700 RPM. Four cylinders, direct drive, horizontally opposed, air-cooled, carburetor-equipped.

Oil:

Maximum	6 qts.
Minimum for Local Flight	4.5 qts.
Minimum for X-Country	5.0 qts.
Grade and Type	Aeroshell 15W-50

Fuel System

Fuel:

Approved Grades	100LL (blue), 100 (green)
Total Fuel	43 Gal.
Total Useable	40 Gal.
Fuel Burn	Approx 8.5 GPH – Consult POH

System Description:

The airplane is equipped with a standard fuel system consisting of two vented fuel tanks, a fuel tank selector valve, fuel strainer, manual primer, and carburetor. Fuel flows by gravity from one or both tanks to the fuel selector, through a fuel strainer to the carburetor. From the carburetor, the fuel/air mixture flows to the cylinders. The fuel selector should be in the BOTH position for takeoff, climb, descent, landing, and maneuvers that involve prolonged slips or skids. Operation from either the LEFT or RIGHT position is reserved for level cruising flight only.

Landing Gear and Brakes

Tire Inflation:

Mains	28 PSI
Nose	34 PSI

Speeds

Best Glide Speed	Vg	65 KTS
Stall in Landing Configuration	Vso	41 KTS
Stall in Clean Configuration	Vs1	47 KTS
Rotate Speed	Vr	55 KTS
Best Angle of Climb	Vx	59 KTS
Best Rate of Climb	Vy	73 KTS
Enroute Climb	-	80 KTS
Maneuvering Speed	Va	97 KTS
Flap Extension Speed	Vfe	85 KTS
Max Structural Cruising Speed	Vno	126 KTS
Never Exceed	Vne	160 KTS
Demonstrated Crosswind Component	-	15 KTS

Pilot Tips:

- Normal cold start should take 2 shots of prime. A hot start should take no prime at all. Under extreme cold, taxi with the carb heat on until its time for the run-up.
- Ensure seat is locked before engine start.
- Do not pump throttle before engine start.
- Cruise speed 110 kts.
- Range: 500 nm w/ Reserves