

PIPER PA-28-160 Model Guide

PIPER PA-28-160 is a single-engine piston Cherokee with a carbureted 160 HP Lycoming O-320 four-cylinder engine. A flying-club checklist gives max gross weight as 2200 lbs and fuel burn as about 9 GPH on 100 or 100LL. It sits in the wider PA-28 family, which the registry lists at up to 4 passengers.

KEY TAKEAWAYS

- Lycoming O-320, 160 HP, carbureted, air cooled, direct drive. It burns about 9 GPH of 100 or 100LL fuel.
- Max gross weight is 2200 lbs. Best climb (Vy) is 75 kts, best glide is 69 kts, and never-exceed is 148 kts.
- The Cherokee service manual covers the PA-28-160 and lists specific inspections: wing ribs, spar corrosion, stabilator and gear torque links.
- Year range, seat count and payload for this exact variant are not in the sources. Confirm them in the aircraft's own handbook.

ENGINE AND RUN-UP CHECKS

The club checklist calls for a minimum of 7 qts of oil at preflight. Run-up is at 2000 RPM. Magneto drop limits are given as 125 individual, both within 50. Vacuum should read 5 PSI (+/- 0.2). Carb heat should show an RPM drop when on and a rise when off. Oil pressure must reach the green within 15 seconds of start.

WHAT TO INSPECT

The Cherokee service manual covers the PA-28-160. Its inspection section lists wing rib assembly and date stamp checks, fuel tank and wing spar corrosion, wing attach fittings, and stabilator attach fitting corrosion. It also lists main gear torque links, exhaust muffler fatigue areas, the flap control cable attachment bolt, and the aileron hinge doubler (100 hour inspection).

FAMILY-LEVEL CONTEXT

The registry covers the whole PA-28 family, which includes the PA-28-160 among many variants. Family maxima are range up to 910 nm, cruise up to 172 kt, MTOW up to 2000 kg, ceiling up to 20000 ft and up to 4 passengers. These are not figures for this exact variant.

SPECIFICATIONS

Engine Power Hp	160
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PERFORMANCE

Fuel Burn Gph	9
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V-SPEEDS

Best Rate Climb Vy Kts	75
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Best Angle Climb Vx Kts	65
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Best Glide Kts	69
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Stall Clean Kts	48
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Stall Landing Kts	40
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Max Flap Vfe Kts	99
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Max Cruise Vno Kts	121
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Never Exceed Vne Kts	148
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WEIGHT & BALANCE

Max Gross Weight Lbs	2200
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SAFETY NOTES

- Engine failure: set 80 mph (69 kts) and switch tanks. After a switch, fuel from the other tank can take up to 10 seconds to arrive.
- In-flight engine fire: fuel selector OFF, throttle closed, mixture idle cutoff. Increase airspeed to 138 mph (120 kts) to put out the fire.
- Spin recovery: power idle, full opposite rudder, elevator full forward, ailerons neutral, then rudder neutral when the spin stops.