

Mooney M20J 201 Model Guide

The Mooney M20J 201 is a four-seat, single-engine piston airplane built from 1977 to 1998. It has fully retractable tricycle gear and a fuel-injected 200 hp Lycoming IO-360-A3B6D with a constant-speed propeller. The handbook lists a 2740 lb gross weight and 64 US gal usable fuel. The documents supplied give no cruise-speed or range figures.

KEY TAKEAWAYS

- Four seats; 200 hp fuel-injected Lycoming IO-360-A3B6D with a recommended TBO of 1800 hours.
- Gross weight is 2740 lb. 1991 and later aircraft are rated 2900 lb, and some earlier serial numbers can be retrofitted.
- Fuel capacity is 66.5 US gal total and 64.0 usable. Minimum grade is 100/130 or 100LL.
- Check service bulletin compliance: empennage trim fitting, landing gear actuator and fuel tank rib drain holes.

AIRFRAME AND ENGINE

Gear is electrically operated and fully retractable, with hydraulic disc brakes and a nose wheel that steers 14 degrees each side. The engine is a four-cylinder, 361 cu in Lycoming IO-360-A3B6D rated 200 hp at 2700 rpm, with a McCauley or Hartzell constant-speed prop. Oil capacity is 8 qts; the minimum for flight is 5 qts.

WEIGHTS AND LOADING

The handbook gross weight is 2740 lb, with 120 lb in the baggage area and 340 lb of cargo with the rear seats folded. Aircraft from 1991 on are rated 2900 lb. Special Letter 92-1 offers retrofit kits for some earlier serial numbers at \$1,750.00 net. A rudder balance inspection (SB M20-252) is also required for that retrofit.

UPGRADES AND PAPERWORK

Garmin GFC 500 and Dynon SkyView autopilot installations exist for the M20J. Dynon notes that some M20Js have tapered-end rudder pushrods that are not compatible with its yaw servo kit. Match the handbook to the serial number: manual 3203 covers S/N 24-3374 on, and manual 1231 is an earlier issue.

SPECIFICATIONS

Engine Power Hp	200
Fuel Capacity Total Gal	66.5
Fuel Usable Gal	64
Max Takeoff Weight Lbs	2740
Baggage Capacity Lbs	120
Min Turning Radius Ft	41

PERFORMANCE

Best Glide Kts	90
Rotate Speed Kts	62
Final Approach Speed Kts	71

V-SPEEDS

Vso Kts	55
Vy Kts	90
Vx Kts	66
Va Kts	120
Vfe Kts	115
Vle Kts	109
Vno Kts	179
Vne Kts	198

WEIGHT & BALANCE

Max Takeoff Weight Lbs	2740
Baggage Capacity Lbs	120
Cargo Rear Seats Folded Lbs	340

SAFETY NOTES

- SB M20-313A: inspect the empennage trim fitting, filler plate and 10 huckbolts. If incorrect or insecure, do not fly; SB M20-314A is the repair.
- SB M20-282-A: inspect the landing gear actuator 'no back' clutch spring, replace it every 1000 hours, and do a 100 hour operational inspection.
- SB M20-230: check that fuel tank rib drain holes were not sealed over, especially on resealed tanks (M20J S/N 24-0001 thru 24-1498).