

Mooney M20G Statesman Model Guide

The Mooney M20G Statesman is a four-seat, single-engine piston airplane built from 1968 to 1970. It is similar to the Ranger but has a fuselage 10 inches longer. Power is a 180-hp Lycoming O-360-A1D with a Hartzell constant-speed propeller. Maximum certificated gross weight is 2525 pounds.

KEY TAKEAWAYS

- Ranger and Statesman are called the best buys among pre-1969 180-hp Mooneys, with larger valves and higher TBOs than earlier models.
- The 10-inch longer fuselage adds rear-seat legroom but costs drag: the Statesman is slower than the Ranger and the Mark 21.
- Maximum gross weight is 2525 lbs, baggage is limited to 120 lbs and the hat rack to 10 lbs. Load with the POH graph.
- Check the engine logs closely, and keep the weight-and-balance record current after any equipment change.

WHAT IT IS

The M20G Statesman was introduced in 1968 and is built on the Ranger layout, with a 10-inch longer fuselage. Factory records list a Lycoming O-360-A1D rated 180 hp and a long cabin. The extra length gives rear-seat passengers more legroom. The price is more drag, so it is slower than the Ranger.

WHAT TO CHECK WHEN BUYING

Read the engine logs carefully, because TBO and valve condition drive engine value. Confirm the weight-and-balance record matches the installed equipment. Avoid wooden-spar Mooneys (M20 and M20A): their ADs require inspections every six months, costing over \$500 each time. Metal construction began after the M20A.

LOADING AND CAPACITY

The POH limit is 2525 lbs. Fuel is 52 gal maximum (312 lbs, figured at 6 lbs per gal), baggage is 120 lbs maximum and the hat rack 10 lbs maximum. Useful load is the 2525 lb gross weight minus the corrected empty weight. The POH sample problem uses 1593 lbs empty weight and reaches 2525 lbs with four people, so full seats mean limited fuel or bags.

SPECIFICATIONS

Seats	4
Engine Power Hp	180
Fuel Capacity Gal	52
Max Gross Weight Lbs	2525
Baggage Capacity Lbs	120
Hat Rack Capacity Lbs	10
Fuselage Extension Inches	10

WEIGHT & BALANCE

Max Gross Weight Lbs	2525
Max Fuel Gal	52
Max Fuel Weight Lbs	312
Max Baggage Lbs	120
Max Hat Rack Lbs	10
Sample Empty Weight Lbs	1593

SAFETY NOTES

- Operate strictly within the POH Center-of-Gravity Moment Envelope. If the loading point falls outside the shaded area, rearrange the load before takeoff.
- Total loaded weight must be 2525 lbs or less. Do not exceed the 120 lb baggage or 10 lb hat rack limits.
- Record any equipment change that affects empty weight or CG in the aircraft log book, as FAA regulations require.