

Mooney M20V Acclaim Ultra Model Guide

The Mooney M20V Acclaim Ultra is a four-seat, retractable-gear piston single, listed in the model record for 2009 to 2020. The manufacturer's preliminary 2016 sheet gives a 280 hp Continental TSIO-550-G, 242 ktas maximum cruise and a typical useful load of 1,000 lbs. Check the service bulletin history before buying.

KEY TAKEAWAYS

- Four seats, retractable gear, 280 hp Continental TSIO-550-G with a 2,200-hour TBO (preliminary factory sheet).
- Max cruise is 242 ktas. Range is 700 nm on 89 gal or 830 nm on 100 gal, at 25,000 ft with 45 min reserve.
- Typical useful load is 1,000 lbs against a 3,368 lb max takeoff weight, so fuel and passengers must be traded off.
- Confirm Service Bulletins M20-340A (alternator wire) and M20-329 (windscreen fasteners) were done on early serials.

SERVICE BULLETINS TO VERIFY

SB M20-340A (Dec 11, 2019) covers M20V serials 33-0001 thru 33-0018. An alternator wire touched the right exhaust crossover tube and shorted. It is mandatory, before next flight, and calls for a new clamp keeping a 2 in minimum gap to the exhaust tube. SB M20-329 (Nov 21, 2017) adds window fasteners on 33-0002 and 33-0003 within 25 flight hours. Ask for the compliance records.

EQUIPMENT AND OWNERSHIP COSTS

A 2018 listing (serial 33-0007) shows Garmin NXi avionics, GFC700 autopilot, dual alternators and batteries, a 100-gallon fuel system, air conditioning, oxygen and speed brakes. The asking price was 725,000, subject to buyer verification. The 2016 sheet lists Garmin G1000 instead, so avionics vary by year. PistonPower lists the M20 Acclaim Ultra for its hourly maintenance program; Unscheduled is 3 years, up to 600 hours.

SPECIFICATIONS

Seats	4
Engine Power Hp	280
Standard Fuel Gal	89
Long Range Fuel Gal	100
Cabin Width Inches	43.5

PERFORMANCE

Max Cruise Speed Kts	242
Long Range Cruise Speed Kts	175
Max Rate Of Climb Fpm	1375
Max Operating Altitude Ft	25000
Takeoff Distance Ft	2100
Landing Distance Ft	2650
Range Standard Fuel Nm	700
Range Long Range Fuel Nm	830

WEIGHT & BALANCE

Max Takeoff Weight Lbs	3368
Max Ramp Weight Lbs	3380
Typical Useful Load Lbs	1000

SAFETY NOTES

- Use only 100LL (blue) or 100/130 (green) aviation gasoline. The POH says the pilot is responsible for the correct fuel at each refueling.
- SB M20-340A: inspect the upper alternator wire for chafing, cracks or burnt spots, and the right crossover tube for holes or cracks.
- The 2016 specification sheet is marked preliminary. Verify figures against the POH/AFM for the specific serial; it must be carried in the aircraft.