

Piper M350 Model Guide

The Piper M350 is a pressurized, single-engine piston aircraft with four to six seats (one pilot plus five passengers). It has been built since 2015 and is the rebranded Mirage. It uses a 350 hp turbocharged Lycoming TIO-540-AE2A and a Garmin G1000 flight deck with the GFC 700 autopilot.

KEY TAKEAWAYS

- Useful load is 1,308 lb with 120 gal usable fuel. Max takeoff weight is 4,340 lb, so check full seats plus full tanks.
- Handbook max cruise is 213 kt true airspeed. Range with 45-minute reserve is 1,343 nm. MMOPA's as-certified figure is 1,055 nm with max fuel plus reserves.
- Engine TBO is 2,000 hours. Max approved altitude is 25,000 ft, with a 5.6 psid maximum cabin differential.
- The 2017 list price was \$1,178,610. Options such as FIKI (\$83,759) and weather radar (\$44,367) were extra, so verify the equipment.

WHAT IT IS

Per the MMOPA fact sheet, the Mirage appeared in 1988 with the 350 hp Lycoming TIO-540. In 2015 it was rebranded M350 with an upgraded G1000 flight deck. The listed total for Mirage/M350 is 676 built as of Dec. 31, 2018. Wingspan is 43 ft, length 28 ft 10 in, height 11 ft 4 in.

EQUIPMENT TO VERIFY

Standard: dual 10.4-inch PFDs, a 12.4-inch MFD, the GFC 700 autopilot with yaw damper, an Aspen EFD1000 standby instrument, a pulse oximeter, PiperAire air conditioning and speed brakes. Priced options to check for: FIKI, GWX 68 weather radar, L3 WX-500 Stormscope, TAWS-B, Garmin Synthetic Vision and a GSR 56 Iridium transceiver.

RUNWAY PERFORMANCE

Handbook takeoff ground roll is 1,087 ft, or 2,090 ft over a 50 ft obstacle. Landing ground roll is 1,020 ft, or 1,968 ft over a 50 ft obstacle. The propeller is a Hartzell 3-blade constant-speed composite, 80 in in diameter.

SPECIFICATIONS

Engine Horsepower Hp	350
Usable Fuel Gal	120
Max Takeoff Weight Lbs	4340
Max Ramp Weight Lbs	4358
Standard Equipped Weight Lbs	3050
Standard Useful Load Lbs	1308
Propeller Diameter In	80

PERFORMANCE

Max Cruise Speed Kts	213
Range Nm	1343
Max Altitude Ft	25000
Takeoff Ground Roll Ft	1087
Takeoff Over 50ft Ft	2090
Landing Ground Roll Ft	1020
Landing Over 50ft Ft	1968

SAFETY NOTES

- Piper SB 1350 (compliance mandatory): nose gear steering horn and arm inspection for M350 serial numbers 4636759 through 4636761. Confirm it was done.
- The PA46 had seven fatal accidents in 1989-1991 after departures from controlled flight. The NTSB reviewed pilot training for IMC at and above freezing levels.