

Piper M600 Model Guide

The Piper M600 is a pressurized, single-engine turboprop introduced in 2016. It pairs the Meridian fuselage with a new wing and a 600 shp Pratt & Whitney Canada PT6A-42A. It seats 4 to 6, holds 260 US gal of usable fuel and has Garmin G3000 avionics. The 2017 standard list price was \$2,899,000.

KEY TAKEAWAYS

- Max cruise is 274 ktas. NBAA range runs from 1,085 nm at that speed to 1,484 nm at 184 ktas, on 260 US gal usable fuel.
- Standard useful load is 2,400 lbs at a 6,000 lb max takeoff weight. Takeoff and landing over a 50 ft obstacle are 2,635 ft and 2,659 ft.
- Check the wing splice assembly: AD 2022-11-10 cut its life limit from 5,132 to 3,767 hours on affected PA-46-600TP serial numbers.
- To hold the price, Piper skipped RVSM certification and aileron trim, and left detailed performance tables out of the POH.

POWERPLANT AND AIRFRAME

The PT6A-42A is flat rated at 600 shp, with a 3,600 hour TBO and a hot section inspection at 1,800 hours. The prop is a Hartzell 4-blade, constant speed, reversible unit, 82.5 in in diameter. The wing is new and holds more fuel than the Meridian's. Maximum cabin differential is 5.6 psi.

AVIONICS AND CABIN

The panel has a Garmin G3000 with dual 12 in PFDs, one 12 in MFD and a GFC 700 autopilot. Safety features include Automatic Level Mode, Electronic Stability Protection, Underspeed Protection and Hypoxia Recognition with Emergency Descent Mode. The cabin has a four-chair club section, six USB ports and PiperAire air conditioning. Flight Into Known Icing was listed as pending certification on the 2017 sheet, so verify it on any aircraft you consider.

WHAT TO VERIFY WHEN BUYING

Confirm the wing splice AD is complied with and the logbooks show it. Ask whether the original 24V, 38Ah main battery was replaced under the Concorde RG-41/53 (53 Ah) STC. Check that tire pressures are kept to Piper's figures. Confirm which options are fitted, such as TAWS-B, TCAS I, Stormscope and the fire detection system.

SPECIFICATIONS

Max Takeoff Weight Lbs	6000
Max Ramp Weight Lbs	6050
Standard Equipped Weight Lbs	3650
Standard Useful Load Lbs	2400
Usable Fuel Gal	260
Engine Power Hp	600
Propeller Diameter In	82.5

PERFORMANCE

Max Cruise Speed Kts	274
Normal Cruise Speed Kts	257
Long Range Cruise Speed Kts	184
Vmo Kts	250
Max Range Nm	1484
Max Altitude Ft	30000
Takeoff Distance Ft	2635
Landing Distance Ft	2659

V-SPEEDS

Vmo Kts	250
Max Flap Speed Kts	145
Stall Speed Kts	61

WEIGHT & BALANCE

Max Takeoff Weight Lbs	6000
Max Ramp Weight Lbs	6050
Standard Equipped Weight Lbs	3650
Standard Useful Load Lbs	2400
Usable Fuel Gal	260

SAFETY NOTES

- Service Letter 1285B: check tires cold before the first flight each day. Loaded pressures are 88-92 psi nose and 95-99 psi main. A visual check is not enough.
- AD 2022-11-10: a wing splice assembly failing early could cause loss of airplane control. Life limit is now 3,767 hours TIS on affected serial numbers.
- The M600 keeps chemical emergency oxygen generators for passengers and has no lavatory, so a long-range cruise of more than 8 hours is hard on passengers.