

Beechcraft Premier IA Model Guide

The Beechcraft Premier IA is a light jet with a composite fuselage and a cabin larger than most in its class. The library record lists 4 to 7 seats. The flight manual summary describes six passengers plus two crew, or seven passengers with one pilot. Power is two Williams FJ44-2A engines, with Collins Pro Line 21 avionics.

KEY TAKEAWAYS

- Payload with full fuel is only 370 lbs, so expect to trade fuel for passengers on longer trips.
- Climb to 37,000 feet takes under 20 minutes. It cruises slower than some rivals; one listing cites speeds up to 450 knots.
- Check avionics status: WAAS/LPV, ADS-B and synthetic vision are Pro Line 21 upgrades. One 2009 example cites a \$200K modernization.
- Compared with the original Premier 1, the 1A has a manual lift-dump handle and a revised braking linkage.

CABIN AND BAGGAGE

Cabin volume is listed at 315 cubic feet, in a club layout with two executive writing tables, a refreshment cabinet and an aft private lavatory. Baggage space is 10 cubic feet in the nose and 44 cubic feet aft, plus 140 pounds and 20 cubic feet in the lavatory.

OWNERSHIP COSTS AND VALUES

Sources quote resale values of \$1,350,000 to \$2,800,000. One 2006 example was offered at \$2,225,000 with 587 hours (as of 2/12/2013). Engine programs seen in listings are TAP Blue at \$470 per hour and TAP Advantage Blue at \$159.72 per hour per engine. Fixed annual costs are estimated at \$282,000, including \$225,000 for crew. Charter runs around \$3,000 per hour.

INSPECTIONS AND ENGINES

Listings show an A inspection at 600 hours and a B inspection at 1200 hours. A 2009 example lists a main landing gear inspection due at 6000 hours/5000 cycles, and engine hot section and overhaul due at 4492.1 engine hours. A 2006 example lists hot section due at 1,750 and overhaul at 3,500. Compare each aircraft's records with its own program.

SPECIFICATIONS

Length Ft	46
Usable Fuel Gal	547
Usable Fuel Lbs	3670

PERFORMANCE

Max Speed Kt	450
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WEIGHT & BALANCE

Max Ramp Weight Lbs	12590
Max Takeoff Weight Lbs	12500
Max Landing Weight Lbs	11600
Max Zero Fuel Weight Lbs	10000
Max Useful Load Lbs	4040
Payload With Full Fuel Lbs	370

SAFETY NOTES

- Listings state specifications are subject to verification upon inspection. Rely on your own pre-purchase inspection, not the sales sheet.
- One 2012 listing notes its solid state cockpit voice recorder is presently disabled. Confirm recorder status before purchase.
- The original Premier 1 lift-dump system performed poorly after a bounce; confirm the 1A handle and brake linkage changes are on the aircraft.