

Beechcraft King Air 350 Model Guide

The Beechcraft King Air 350 is a twin-turboprop in production since 1990. It uses two Pratt & Whitney PT6A-60 engines rated 1,050 SHP each. The technical data lists seating as 1 + 9 / 15 (crew + pax). Broker data shows a 15,000 lb max takeoff weight, 35,000 ft maximum altitude and 320 knot high-speed cruise.

KEY TAKEAWAYS

- Max takeoff and landing weight are both 15,000 lb; max ramp is 15,100 lb and max zero fuel is 12,500 lb.
- Full fuel is 3,611 lb (539 US gal), but fuel with max payload is only 2,600 lb. Payload and range trade off.
- Broker data (ARGUS, model-based): 1,440 nm with 4 passengers, 3,300 ft takeoff and 2,484 ft landing at sea level.
- Common add-ons on used listings are Raisbeck dual aft body strakes and wing lockers. Check engine midlife and overhaul status.

WEIGHTS, FUEL AND PAYLOAD

Per the King Air 350 weight statement, basic operating weight is 9,700 lb with a typical fit. Max payload is 2,800 lb and useful load is 5,400 lb. Total fuel is 3,611 lb, or 539 US gal at 6.7 lb per gal. Two main systems hold 1,273 lb each and each aux tank holds 533 lb. Max fuel imbalance is 300 lb.

WHAT TO CHECK ON A USED EXAMPLE

Listings show engines enrolled in ESP Gold Lite, with midlife due at 2,500 hrs / 1,800 cycles and overhaul at 5,000 hrs / 3,600 cycles. Review the 24, 36, 48 and 60 month inspections, the gear retraction check and the gear 1,200 hr / 1,000 cycle check. Confirm damage history, RVSM and avionics (Collins Pro Line), and get an independent pre-purchase inspection.

UPGRADES AND TRAINING

Raisbeck offers dual aft body strakes, high flotation gear doors and crown wing lockers for the 350 series. An STC Halo 350 conversion increases the B300 maximum takeoff weight limit. Saddle tank STCs add 190 or 120 gallons usable fuel. Pilots need a BE-300 type rating; simulator courses cover the 350.

SPECIFICATIONS

Fuel Capacity Gal	539
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PERFORMANCE

Max Altitude Ft	35000
High Speed Cruise Kts	320
Range With 4 Passengers Nm	1440
Takeoff Distance Sea Level Ft	3300
Landing Distance Ft	2484

V-SPEEDS

Vmo Kts	263
Va Kts	184
Vx Kts	125
Vy Kts	140
Vso Kts	81
Vmca Flaps Up Kts	94
Vfe Approach Kts	202
Vfe Full Down Kts	158

WEIGHT & BALANCE

Max Ramp Weight Lbs	15100
Max Takeoff Weight Lbs	15000
Max Landing Weight Lbs	15000
Max Zero Fuel Weight Lbs	12500
Basic Operating Weight Lbs	9700
Max Payload Lbs	2800
Useful Load Lbs	5400
Fuel Capacity Lbs	3611

SAFETY NOTES

- Hartzell SB HC-SB-61-305: some B300/B300C propellers fitted in 2007-2008 need mounting bolt torque checks (100 to 105 ft lbs). Check compliance.
- Unusual or abnormal vibration demands immediate propeller bolt inspection; bolt failure may separate the propeller.
- Starter limit is 30 sec on, 5 min off. Max demonstrated crosswind is 20 knots.