EPIC PLATINUM

Performance Package for 200 Series King Airs

Improved performance in all flight phases
Certified to FAR Part 25 commercial airline standards

RAISBECK ENGINEERING
AN ACORN GROWTH COMPANY

EPIC PLATINUM

200 SERIES KING AIR PERFORMANCE PACKAGE

Raisbeck's EPIC Platinum Performance Package for the Beechcraft King Air 200 Family delivers across-the-board performance improvements for greater versatility and heavier payloads. Every Raisbeck Performance System is individually engineered to enhance a specific operational aspect of your aircraft, whether it be payload, range, cost, or airport availability. We've bundled these Systems into a cost-savings package that optimizes your aircraft's capabilities for increased climb and cruise speeds, extended range while providing a quieter, smoother ride for passengers and pilots. Raisbeck's EPIC Platinum Performance Package greatly reduces takeoff and landing distances with shorter balanced field lengths that make it possible to carry more payload at maximum allowable takeoff weight safely in and out of more airports.

The King Air Experts

Since 1982, Raisbeck Engineering has been addressing the entire Beechcraft King Air Family, engineering the highest-quality performance enhancement systems that are certified worldwide to improve the productivity, versatility, safety and comfort of this iconic business aircraft.

THE **EPIC** ELEMENTS

1 SWEPT BLADE PROPELLERS

Composite 5-Blade or Aluminum 4-Blade, these 96″ diameter propellers deliver more thrust with 30% less noise and dramatically improve runway acceleration and engine-out climb rate as well as landing deceleration and accelerate-stop distances

Autofeather required

2 RAM AIR RECOVERY SYSTEM

Increases climb and cruise performance by redirecting airflow more efficiently to the engines; decreasing ITT by up to 18°C at equal torque settings, reducing fuel flows, while protecting against FOD and enhancing all-weather capabilities

3 ENHANCED PERF. LEADING EDGES

Replace the factory inboard wing with a drag-reducing airfoil for improved climb and cruise speeds while reducing stall speeds; eliminate airflow separation and drag on inboard wings during takeoff roll, so operators experience superior handling characteristics and smoother rotation at takeoff

4 DUAL AFT BODY STRAKES

Improve directional stability, passenger comfort, pilot control and aircraft handling during takeoff, climb, cruise and landing by channeling airflow under the aft fuselage and eliminating airflow separation; also reduce stress on aft fuselage stringers

** Strakes not visible above; see pages 4 and 8*

5 HIGH FLOTATION GEAR DOORS

For King Airs equipped with high-flotation landing gear, restore lost climb and cruise performance back to standard-gear performance, increasing cruise speed by 4-10 knots, extending range and loiter time, while keeping wheel wells, tires and brakes protected from the elements

6 CROWN WING LOCKERS

Optional—not required for the EPIC Package—Crown Wing Lockers provide greater flexibility for storage of up to 600 pounds of luggage and cargo securely outside the cabin, keeping the cabin clear of clutter, with zero performance loss

** Lockers not visible above; see pages 4 and 8*

UNLEASH YOUR KING AIR'S MAXIMUM POTENTIAL

Beechcraft King Air 260 and 250 aircraft are factory-equipped with Raisbeck's Ram Air Recovery System, making it one step closer to being able to achieve EPIC performance—with dramatically reduced takeoff and landing distances whether high float gear equipped or not!

FAA-CERTIFIED EPIC PLATINUM PERFORMANCE DATA
with PT6A-52 Engines & High Flotation Gear[1]

TAKEOFF (Flaps Up, 12,500 lbs, SL/ISA)	EPIC Platinum 260/250	Factory 260/250	Improvements
Distance Over 50 ft	2,210 ft	3,270 ft	1,060 ft less runway
Part 25 Balanced Field Length (BFL)	3,990 ft	Not Certified	Airline Safety Standards
Accelerate-Stop Distance	3,250 ft	3,380 ft	130 ft less runway
Accelerate-Go Distance	3,450 ft	6,700 ft	3,250 ft less runway

[1] High Flotation Gear only affects Balanced Field Length and Landing Distance

CLIMB (12,500 lbs, SL/ISA)			
Two Engine Rate-of-Climb	2,520 ft/min	2,370 ft/min	150 ft/min more
Time-to-Climb to 28,000 ft	14 minutes	17 minutes	3 minutes quicker
Time-to-Climb to 33,000 ft	18 minutes	23 minutes	5 minutes quicker

CRUISE (11,000 lbs, ISA)			
Max. Cruise Speed, 28,000 ft	314 ktas[2]	300 ktas	14 knots faster
Max. Cruise Speed, 33,000 ft	303 ktas	290 ktas	13 knots faster
Max. Cruise Prop RPM	1,600 - 1,800	1,700 - 1,800	Quieter cockpit & cabin

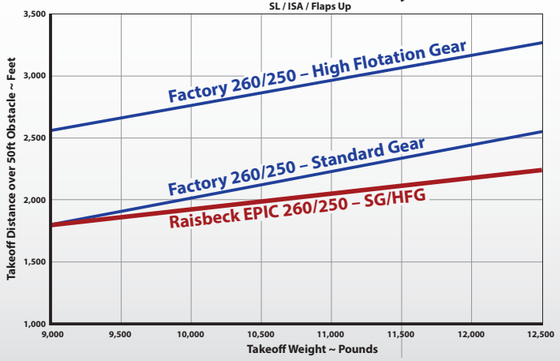
[2] Includes effect of winglets

LANDING (Flaps Down, 11,000 lbs, SL/ISA)			
Approach Speed (V_{REF})	90 kts	99 kts	9 kts slower approach
Landing Distance Over 50 ft (without prop reverse)	1,810 ft	2,590 ft	780 ft less runway

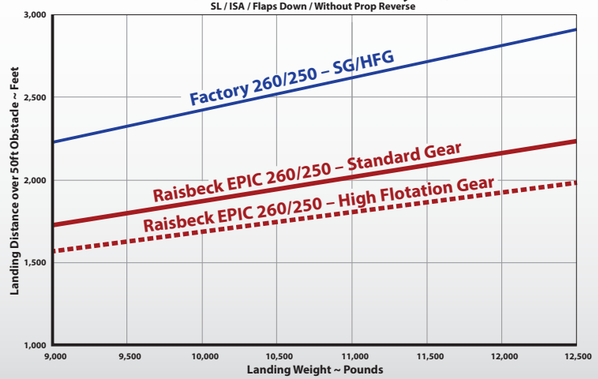
PROPELLERS			
	96″ Raisbeck/ Hartzell Swept 4- and 5-Blade	93″ Hartzell/ Beech 4-Blade	• Exceptional performance • Stunning ramp presence

TAKEOFF AND LANDING DISTANCE COMPARISONS

Twin-Engine Takeoff Distance Comparison
Raisbeck EPIC 260/250 vs Factory 260/250
SL / ISA / Flaps Up



Landing Distance Comparison
Raisbeck EPIC 260/250 vs Factory 260/250
SL / ISA / Flaps Down / Without Prop Reverse

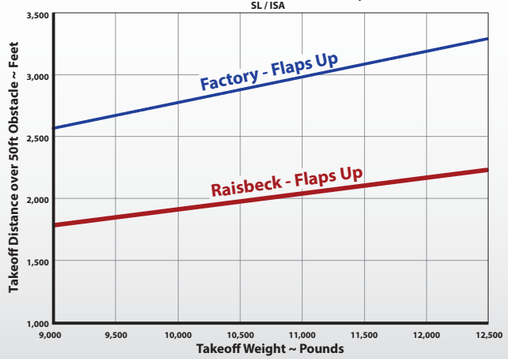


GREATER PAYLOAD, GREATER VERSATILITY

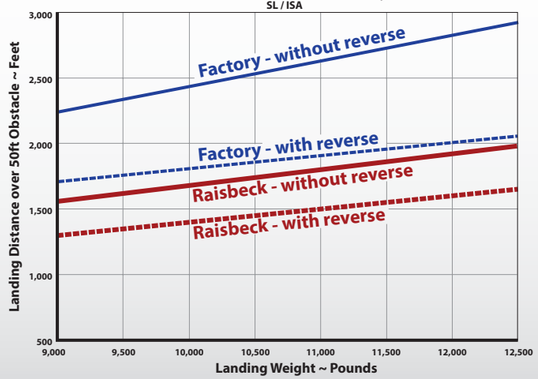
Raisbeck's EPIC Platinum Performance Package for B200GTs and B200s with PT6A-52 engines delivers amazing performance and efficiency gains offering a more cost-efficient way to get an additional 11 knots in cruise and maximum speed out of your airplane along with reduced cabin noise. For those who prefer to retain their OEM propellers, Raisbeck's EPIC Gold Performance Package is an ideal option that includes all EPIC Performance Systems except Raisbeck's Swept Blade Propellers.

TAKEOFF AND LANDING DISTANCE COMPARISONS

Twin-Engine Takeoff Distance Comparison
Raisbeck EPIC B200GT vs Factory B200GT
SL / ISA



Landing Distance Comparison
Raisbeck EPIC B200GT vs Factory B200GT
SL / ISA



FAA-CERTIFIED EPIC PLATINUM PERFORMANCE DATA
with PT6A-52 Engines

TAKEOFF (Flaps Up, 12,500 lbs, SL/ISA)	EPIC Platinum B200GT	Factory B200GT	Improvements
Distance Over 50 ft	2,210 ft	3,330 ft	1,090 ft less runway
Part 25 Balanced Field Length (BFL)	3,990 ft	Not Certified	Airline Safety Standards
Accelerate-Stop Distance	3,250 ft	3,380 ft	130 ft less runway
Accelerate-Go Distance	3,450 ft	6,370 ft	2,920 ft less runway
CLIMB (12,500 lbs, SL/ISA)			
Two Engine Rate-of-Climb	2,510 ft/min	2,420 ft/min	90 ft/min more
Time-to-Climb to 28,000 ft	14 minutes	16 minutes	2 minutes quicker
Time-to-Climb to 33,000 ft	18 minutes	22 minutes	4 minutes quicker
CRUISE (11,000 lbs, ISA)			
Max. Cruise Speed, 28,000 ft	318 ktas	307 ktas	11 knots faster
Max. Cruise Speed, 33,000 ft	307 ktas	296 ktas	11 knots faster
Max. Cruise Prop RPM	1,600 - 1,800	1,700 - 1,800	Quieter cockpit & cabin
LANDING (Flaps Down, 11,000 lbs, SL/ISA)			
Approach Speed (V_{REF})	90 kts	99 kts	9 kts slower approach
Landing Distance Over 50 ft (without prop reverse)	1,810 ft	2,500 ft	690 ft less runway
PROPELLERS			
	96˝ Raisbeck/ Hartzell Swept 4- and 5-Blade	93˝ Hartzell/ Beech 4-Blade	• Exceptional performance • Stunning ramp presence

EXPAND YOUR MISSION CAPABILITIES

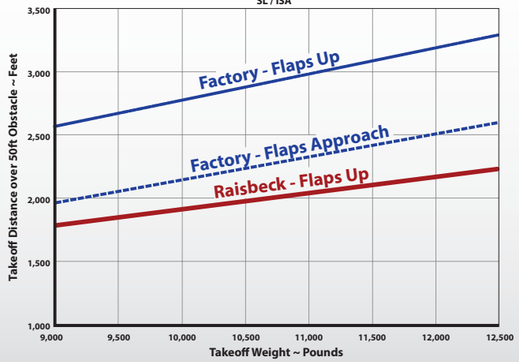
Raisbeck's EPIC Platinum Performance Package transforms your aircraft's capabilities delivering up to 30% improvement in takeoff and landing. For those who prefer to retain their OEM propellers, Raisbeck's EPIC Gold Performance Package is an ideal option that includes all EPIC Performance Systems except Raisbeck's Swept Blade Propellers.

FAA-CERTIFIED EPIC PLATINUM PERFORMANCE DATA
with PT6A-42 Engines

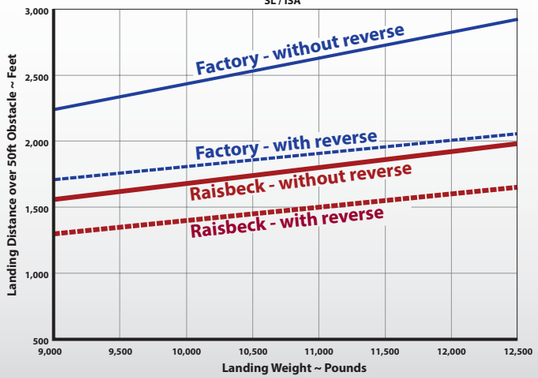
TAKEOFF (Flaps Up, 12,500 lbs, SL/ISA)	EPIC Platinum B200	Factory B200	Improvements
Distance Over 50 ft	2,210 ft	3,330 ft	1,090 ft less runway
Part 25 Balanced Field Length (BFL)	3,990 ft	Not Certified	Airline Safety Standards
Accelerate-Stop Distance	3,250 ft	3,380 ft	130 ft less runway
Accelerate-Go Distance	3,450 ft	6,370 ft	2,920 ft less runway
CLIMB (12,500 lbs, SL/ISA)			
Two Engine Rate-of-Climb	2,510 ft/min	2,420 ft/min	90 ft/min more
Time-to-Climb to 28,000 ft	15 minutes	19 minutes	4 minutes quicker
Time-to-Climb to 33,000 ft	22 minutes	29 minutes	7 minutes quicker
CRUISE (11,000 lbs, ISA)			
Max. Cruise Speed, 28,000 ft	295 ktas	285 ktas	10 knots faster
Max. Cruise Speed, 33,000 ft	286 ktas	273 ktas	13 knots faster
Max. Cruise Prop RPM	1,600 - 1,800	1,800	Quieter cockpit & cabin
LANDING (Flaps Down, 11,000 lbs, SL/ISA)			
Approach Speed (V_{REF})	90 kts	99 kts	9 kts slower approach
Landing Distance Over 50 ft (without prop reverse)	1,810 ft	2,500 ft	690 ft less runway
PROPELLERS			
	96˝ Raisbeck/ Hartzell Swept 4- and 5-Blade	93˝ Hartzell/ Beech 4-Blade	• Exceptional performance • Stunning ramp presence

TAKEOFF AND LANDING DISTANCE COMPARISONS

Twin-Engine Takeoff Distance Comparison
Raisbeck EPIC B200 vs Factory B200
SL / ISA



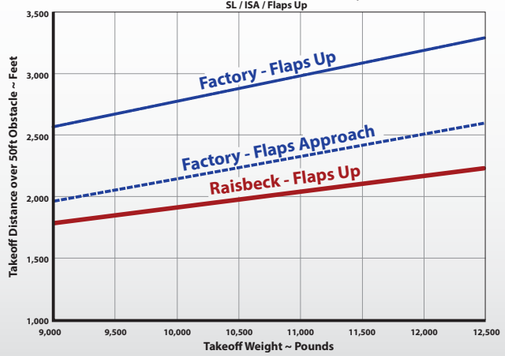
Landing Distance Comparison
Raisbeck EPIC B200 vs Factory B200
SL / ISA



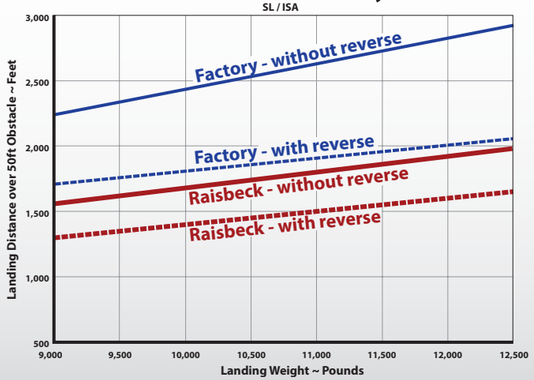
Raisbeck's EPIC Platinum Performance Package expands your aircraft's operational envelope. An EPIC-equipped King Air 200 can achieve 30% shorter twin-engine takeoff distances in a hot-high environment.

TAKEOFF AND LANDING DISTANCE COMPARISONS

Twin-Engine Takeoff Distance Comparison
Raisbeck EPIC 200 vs Factory 200
SL / ISA / Flaps Up



Landing Distance Comparison
Raisbeck EPIC 200 vs Factory 200
SL / ISA



OPTIMUM PERFORMANCE, OPTIMUM RESULTS

FAA-CERTIFIED EPIC PLATINUM PERFORMANCE DATA
with PT6A-41 Engines

TAKEOFF (Flaps Up, 12,500 lbs, SL/ISA)	EPIC Platinum 200	Factory 200	Improvements
Distance Over 50 ft	2,210 ft	3,330 ft	1,090 ft less runway
Part 25 Balanced Field Length (BFL)	3,990 ft	Not Certified	Airline Safety Standards
Accelerate-Stop Distance	3,250 ft	3,380 ft	130 ft less runway
Accelerate-Go Distance	3,450 ft	6,370 ft	2,920 ft less runway
CLIMB (12,500 lbs, SL/ISA)			
Two Engine Rate-of-Climb	2,510 ft/min	2,420 ft/min	90 ft/min more
Time-to-Climb to 28,000 ft	17 minutes	21 minutes	4 minutes quicker
Time-to-Climb to 33,000 ft	25 minutes	37 minutes	12 minutes quicker
CRUISE (11,000 lbs, ISA)			
Max. Cruise Speed, 28,000 ft	283 ktas	271 ktas	12 knots faster
Max. Cruise Speed, 33,000 ft	270 ktas	256 ktas	14 knots faster
Max. Cruise Prop RPM	1,600 - 1,800	1,900	Quieter cockpit & cabin
LANDING (Flaps Down, 11,000 lbs, SL/ISA)			
Approach Speed (V_{REF})	90 kts	99 kts	9 kts slower approach
Landing Distance Over 50 ft (without prop reverse)	1,810 ft	2,500 ft	690 ft less runway
PROPELLERS			
	96˝ Raisbeck/ Hartzell Swept 4- and 5-Blade	93˝ Hartzell/ Beech 4-Blade	• Exceptional performance • Stunning ramp presence

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