

# EPIC PERFORMANCE PACKAGE for the Beechcraft KING AIR 90 SERIES

DELIVERING A NEW LEVEL OF EFFICIENCY AND PERFORMANCE



KING AIR  
**90 SERIES**

 **RAISBECK**  
ENGINEERING  
AN ACORN GROWTH COMPANY



Enjoy improved performance and operational flexibility with Raisbeck's **EPIC Performance Package for the King Air 90 series**. No matter the mission, operators can enjoy quieter operations with reduced climb and cruise RPM, increased payload, fuel and range capabilities from shorter runways and hot-high scenarios. Our Performance Enhancement Systems can be installed individually or combined in an EPIC Performance Package, saving aircraft owners up to 11.5% over our separate System pricing.

## WHAT'S IN THE 90 EPIC PERFORMANCE PACKAGE?



### Swept Blade Turbopropellers

Available for all C90 and E90 King Airs, Raisbeck Swept Blade Propellers deliver greater thrust with less noise and vibration while presenting a stunning ramp presence. Made of high-strength aluminum forgings, our Swept Blade Propellers offer weight savings compared to factory-installed propellers, with a 6-year/4,000 hours TBO. Pilots report increased acceleration as well as shorter takeoffs and landings.



### Dual Aft Body Strakes

Factory installed on all new C90Gtx and 350 King Airs, Raisbeck Dual Aft Body Strakes significantly improve directional stability, enhancing passenger comfort, pilot control and aircraft handling qualities. Decreased drag results in better climb and cruise performance, along with reduced Air Minimum Control Speed.



### Crown Wing Lockers (optional)

Raisbeck Crown Wing Lockers can carry 600 pounds of total cargo in 17 cubic feet of external storage space, thereby reducing cabin clutter and saving wear-and-tear on interior surfaces. FAA-certified for Part 135 operations, our Lockers easily accommodate skis, snowboards, golf bags, fishing gear and luggage.

# 90 SERIES EPIC PERFORMANCE PACKAGES

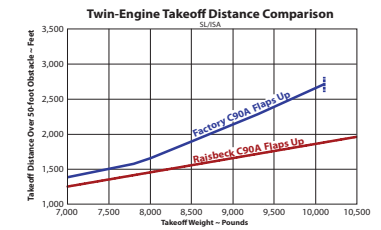
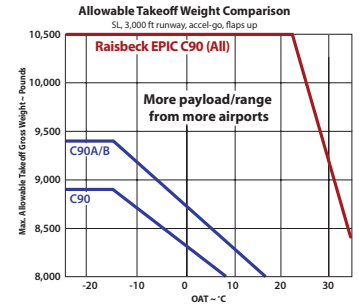


## BENEFITS FOR KING AIR C90, C90A, C90B

- Improved takeoff and landing field-length performance
- MTOW increased to 10,500 lbs. and MLW increased to 9,700 lbs. (LJ-527 and subsequent)
- Higher engine operating ITTs for better climb and cruise performance (LJ-1062 and earlier)
- Greater payload, fuel and range capability from shorter runways and hot-high scenarios
- Quieter operations through reduced climb and cruise RPM
- Greater flexibility to operate safely into more airports
- Lock-in prop synchrophasing

### EPIC PERFORMANCE DATA WITH PT6A-21 ENGINES

	EPIC-Equipped C90, C90A, C90B	Factory C90, C90A, C90B	Improvements
<b>TAKEOFF</b>			
Takeoff Gross Weight	10,500 lbs	9,650 - 10,100 lbs	400 - 850 more lbs
Takeoff Distance Over 50' @ MTOW	2,190 ft	2,710 ft	22% shorter
Accelerate-Go Distance	3,000 ft	3,650 ft	18% shorter
Accelerate-Stop Distance	3,785 ft	3,600 ft	185 ft longer @ 400 lbs heavier
Takeoff Climb Gradient	4.8%	4.8%	Same @ 400 lbs heavier
<b>CLIMB</b>			
Single Engine Rate-of-Climb	525 ft/min	495 ft/min	6% better
<b>CRUISE (11,000 lbs, ISA)</b>			
Cruise RPM	1,750 RPM	1,900 RPM	150 RPM less
Maximum Cruise ITT	695° C	635°-695° C	All upgraded to C90A/B
<b>LANDING (Flaps Down, 11,000 lbs, SL/ISA)</b>			
Landing Distance Over 50 ft (without prop reverse)	2,160 ft	2,290 ft	6% less runway
Landing Gross Weight	9,700 lbs	9,600 lbs	100 lbs more
<b>PROPELLERS</b>			
	96" Raisbeck/Hartzell Swept 4-Blade	90" Hartzell/Beech 4-Blade	• Exceptional performance • Stunning ramp presence

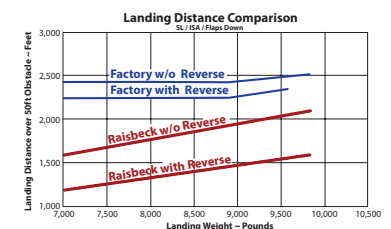
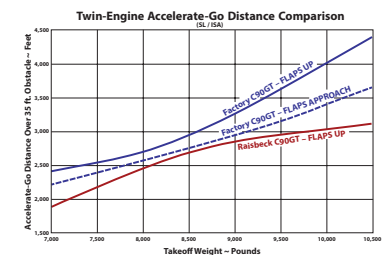
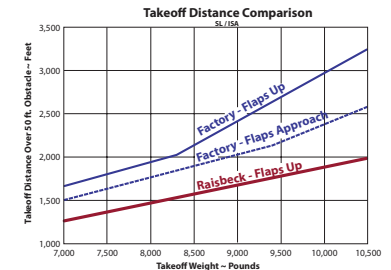


## BENEFITS FOR KING AIR C90GT, C90GTi, C90GTx

- Improved takeoff and landing field-length performance
- MTOW increased to 10,500 lbs. and MLW increased to 9,700 lbs.
- Quieter operations through reduced climb and cruise RPM
- Greater flexibility to operate safely into more airports
- Lock-in prop synchrophasing
- OEM factory standard on all new C90GTx models LJ-2121 and after
- Greater payload, fuel and range capability from shorter runways & hot-high scenarios

### EPIC PERFORMANCE DATA WITH PT6A-135A ENGINES Includes C90, C90A and C90B with Blackhawk PT6A-135A Engines

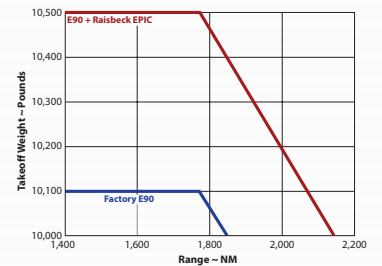
	EPIC-Equipped C90GT, GTi, GTx	Factory C90GT, GTi, GTx	Improvements
<b>TAKEOFF</b>			
Takeoff Distance Over 50' @ MTOW	1,980 ft	3,240 ft	1,260 ft less runway
Takeoff Distance (5000 ft, 25° C)	3,370 ft	4,600 ft	1,230 ft less runway
Accelerate-Stop Distance (SL, ISA)	3,690 ft	4,200 ft	510 ft less runway
Accelerate-Go Distance (SL, ISA)	3,110 ft	4,390 ft	1,280 ft less runway
<b>CRUISE</b>			
Cruise RPM	1,750 RPM	1,900 RPM	150 RPM less
<b>LANDING (Flaps Down, 11,000 lbs, SL/ISA)</b>			
Landing Distance (w/o prop reverse)	2,100 ft	2,510 ft	410 ft less runway
Landing Distance (with prop reverse)	1,600 ft	2,350 ft	750 ft less runway
Noise (Part 36/ICAO)	74.8 dB(A)	76.0 dB(A)	1.2 dB(A) quieter
<b>PROPELLERS</b>			
	96" Raisbeck/Hartzell Swept 4-Blade	90" Hartzell/Beech 4-Blade	• Exceptional performance • Stunning ramp presence





## BENEFITS FOR KING AIR E90

- 400 lbs. MTOW increase to 10,500 lbs.
- Increased payload
- Increased range
- Measurably quieter cockpit, cabin and exterior
- Reduced takeoff and cruise RPM with no performance loss
- 1,900 takeoff RPM vs. 2,200 Factory
- 1,750 cruise RPM vs. 1,900 Factory



sales@raisbeck.com | www.Raisbeck.com  
(206) 723-2000