King Air C90B/C90A/C90 EPIC Performance Comparison

RAISBECK ENGINEERING

Takeoff	C90A/B/C + Raisbeck EPIC	Factory C90A/B/C	Improvements
Takeoff Gross Weight	10,500 lbs	9,650-10,100 lbs	400-850 more lbs
Takeoff Distance over 50 ft Obstacle @ 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 at 400 lbs heavier
Takeoff Climb Gradient	4.8%	4.8%	Same at 400 lbs heavier
Climb			
Single Engine Rate-of-Climb	525 fpm	495 fpm	6% better
Cruise			
Cruise RPM	1,750 RPM	1,900 RPM	150 RPM less
Maximum Cruise ITT	695° C	635°-695° C	All upgraded to C90A/B
Landing			
Landing Distance over 50 ft (No Reverse)	2,160 ft	2,290 ft	6% less runway
Landing Gross Weight	9,700 lbs	9,600 lbs	100 lbs more
Propeller	96˝ Raisbeck/Hartzell *Swept 4-Blade*	90˝ Hartzell/Beech 4-Blade	• Exceptional performance • Stunning ramp presence