King Air C90GT/GTi/GTx EPIC Performance Comparison

RAISBECK ENGINEERING

PT6A-135A Engines

Takeoff (MTOW, Flaps Up)	**C90GT/GTi/GTx + Raisbeck EPIC**	**Factory C90GT/GTi/GTx**	**Improvements**
Takeoff Distance (SL, ISA)	**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**
Cruise			
Cruise RPM	**1,750 RPM**	**1,900 RPM**	**150 RPM less**
Landing (SL/ISA/MLW/Flaps Down)			
Landing Distance without 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)**	**1.2dB(A) quieter**
Propeller Diameter	**96″**	**90″**	**6″ larger diameter**
Propeller	**96″ Raisbeck/Hartzell *Swept 4-Blade***	**90″ Hartzell/Beech 4-Blade**	**• Exceptional performance • Stunning ramp presence**