



PROPELLER COMPARISON



RAISBECK PROPELLER UPGRADES

5-BLADE CARBON FIBER \ 4-BLADE ALUMINUM \ POWER PROP



Carbon Fiber 5-Blade Swept Propeller



Aluminum 4-Blade Swept Propeller

AIRCRAFT MODELS	+/- NET WEIGHT
King Air C90, C90A, C90B, C90GT, C90GTi, C90GTx, E90:	
ALUMINUM 4-BLADE SWEPT TURBOFAN PROP	
Replaces OE-Installed Hartzell 3-Blade Propellers	42.4 lbs
Replaces OE-Installed Hartzell 4-Blade Propellers	8.4 lbs
Replaces McCauley 4-Blade Propellers	2.4 lbs
King Air F90, F90-1:	
QUIET TURBOFAN POWER PROP*	
Replaces OE-Installed Hartzell 4-Blade Propellers	-47.8 lbs
King Air 100, A100, B100:	
QUIET TURBOFAN POWER PROP*	
Model 100	44.8 lbs
Model A100	-37.2lbs
King Air 200, B200, B200GT, 250, 260:	
CARBON FIBER 5-BLADE SWEPT TURBOFAN PROP VS OEM (AVG.)	-48.0 lbs
Aluminum 4-Blade Swept Turbofan Prop	
Replaces OE-Installed Hartzell 4-Blade Aluminum	0.8lbs
Replaces OE-Installed Hartzell 3-Blade Prop	27.6 lbs
Replaces McCauley 4-Blade Prop	6.6 lbs
QUIET TURBOFAN POWER PROP	0 lbs
King Air 300, 350, 360:	
CARBON FIBER 5-BLADE SWEPT BLADE TURBOFAN PROP VS OEM	-54.0 lbs
ALUMINUM 4-BLADE SWEPT BLADE TURBOFAN PROP VS OEM	-41.2 lbs

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REAL WORLD FLYING \ Some thought there was nothing new to be learned about propellers. Raisbeck Swept Blade Propellers prove that theory wrong. New design carbon fiber and aluminum propellers lower weight, reduce noise profiles, and improve aerodynamics. Your benefit: better runway performance, more thrust, quieter flight. New and improved is for real.

5-BLADE CARBON FIBER

- Increased diameter for more thrust
- Nickel cobalt leading edges protect against foreign object damage
- Up to 54 pounds total weight savings vs. OEM propellers depending on model
- Provide more thrust with less noise, resulting in a quieter cabin
- Better runway acceleration; dramatically improves landing deceleration and accelerate stop
- Unlimited blade life
- Autofeather Required
- **6 years/4,000 hours TBO**
- **6 years/4,000 hours Warranty**

4-BLADE ALUMINUM

- Increased diameter for increased thrust
- High-strength aluminum forgings
- Up to 41.2 pounds total weight savings vs. OEM propellers depending on model
- More thrust with less noise
- Better runway acceleration; dramatically improves landing deceleration and accelerate stop
- Autofeather Required
- **6 years/4,000 hours TBO**
- **6 years/4,000 hours Warranty**





CARBON FIBER 5-BLADE SWEPT PROPELLER



COMPATIBLE AIRCRAFT

- + King Air 200, B200, B200GT, 250, and 260
- + King Air 300, B300, 350, and 360
- + Compatible with all Raisbeck Performance Systems

With the mantra of “never stop innovating,” Raisbeck worked with Hartzell Propeller to bring Carbon Fiber Swept Blade Propellers to 200 and 300 Series King Airs. The result: Quieter flight, weight savings, and damage resistance. Carry more, with approximately 50 pounds of weight savings, depending on model. Carbon Fiber 5-Blade Swept Propellers are built for superior durability and reduced life cycle costs. The blades feature structural carbon fiber, a metal blade shank retention section, and nickel cobalt leading edges. This construction offers improved erosion resistance and enhanced protection against FOD. Furthermore, the blades are designed for repairability and to maintain their airfoil shape, resulting in a longer blade life expectancy and lower overall life cycle costs for operators.

KING AIR 200 SERIES

- Stunning ramp presence
- 96-inch diameter
- Carbon fiber construction
- Nickel cobalt leading edges protect against foreign object damage
- On average 48 pounds total weight savings vs. OEM propellers
- 30% noise reduction throughout aircraft
- 16.5% performance gain in runway acceleration vs. OEM propellers
- 48% better in prop reversing vs. OEM propellers
- Engine-out climb with flaps up–25.8% better than OEM 4-blade propeller
- Unlimited blade life
- Autofeather Required
- **6 years/4,000 hours TBO**
- **6 years/4,000 hours Warranty**

KING AIR 300 SERIES

- Stunning ramp presence
- 106-inch diameter
- Carbon fiber construction
- Nickel cobalt leading edges protect against foreign object damage
- 54 pounds total weight savings vs. OEM propellers
- Less noise and vibration, resulting in a quieter cabin
- Unlimited blade life
- Improved landing deceleration and accelerate stop
- Increased thrust and cruise speeds
- **6 years/4,000 hours TBO**
- **6 years/4,000 hours Warranty**



ALUMINUM 4-BLADE SWEPT PROPELLER



COMPATIBLE AIRCRAFT

- + King Air C90 (All) and E90
- + King Air 200, B200, B200GT, 250, and 260
- + King Air 300, B300, 350, and 360
- + Compatible with all Raisbeck Performance Systems

Our unique Swept Blade Propellers increase efficiency and reduce weight. Tailored airfoils fully extend into the spinner, boosting both prop efficiency and airflow into the engine. The propeller hub and blades are crafted from high-strength aluminum forgings, offering a weight advantage over OEM-installed propellers. With millions of flight hours, our components are trusted and field-proven. More thrust, less noise, proven performance.

KING AIR 90 SERIES

- Stunning ramp presence
- 96-inch diameter
- +8.4 pounds total weight increase vs. OEM propellers
- Provide more thrust with less noise, resulting in a quieter cabin
- Increased performance from takeoff to landing
- Autofeather Required
- **6 years/4,000 hours TBO**
- **6 years/4,000 hours Warranty**

KING AIR 200 SERIES

- Stunning ramp presence
- 96-inch diameter
- +.08 pounds total weight increase vs. OEM 4-blade propellers
- More thrust at lower RPM without increasing vibration and noise levels, resulting in a quieter cabin
- Dramatically improves landing deceleration and accelerate-stop
- Increased performance from takeoff to landing
- Autofeather Required
- **6 years/4,000 hours TBO**
- **6 years/4,000 hours Warranty**

KING AIR 300 SERIES

- Stunning ramp presence
- 105-inch diameter
- 41.2 pounds total weight savings vs. OEM propellers
- More thrust at lower RPM without increasing vibration and noise levels, resulting in a quieter cabin
- Increased performance from takeoff to landing
- 4% better runway acceleration; dramatically improves landing deceleration and accelerate-stop
- **6 years/4,000 hours TBO**
- **6 years/4,000 hours Warranty**



ORIGINAL QUIET TURBOFAN POWER PROPELLER



COMPATIBLE AIRCRAFT

- + King Air 90 Series
- + King Air F90, F90-1
- + King Air 100, A100
- + King Air 200, B200 Series, B200GT, 250 and 260
- + EPIC Element for 90, 100, and 200 Series King Air

This is the prop that started our 40+ year partnership with Hartzell Propeller. It was the foundation for the certification of the EPIC series performance data and flight manual supplements which still serves Raisbeck Engineering today. While it has been somewhat replaced by our popular swept series of propellers, it is still a solid performer for many customers.

BENEFITS

- Reduced cockpit and cabin noise
- Improved takeoff and cruise performance
- Increased thrust
- Additional benefit when part of EPIC Package – ability to carry more passengers, cargo and fuel
- Autofeather Required
- **6 years/4,000 hours TBO**
- **6 years/4,000 hours Warranty**

TECHNOLOGY

- Advanced aerodynamic design
- Lightweight aluminum hubs and blades
- Oversized hydraulic power piston to lock-in propeller synchrophasing
- Grease-lubricated hubs to prevent oil leaks